Appendix L

Air Quality, Greenhouse Gas, and Health Risk Assessment Supporting Documentation

Construction Criteria Pollutant/Greenhouse Gas Emissions

1. Unmitigated Construction Summary (CalEEMod Method and RCEM)
2. Mitigated Construction Summary (CalEEMod Method and RCEM)
3. Emission Factors (CalEEMod Method)
4. Master Assumptions (excluding Bridge and Road Widening Assumptions; CalEEMoD Method)
5. Bridge and Road Widening Assumptions and Emissions (RCEM)
6. Parking Expansion for 2040 Construction Emissions

Construction Health Risk Assessment

Construction Ambient Air Quality Analysis

Construction BPT Analysis

Operational Criteria Pollutant/Greenhouse Gas Emissions

1. Train Emissions
2. OMF Emissions
3. VMT Emissions Reductions
4. Alternative Emissions

Operational Health Risk Assessment

1. Locomotive Idling (AERMOD)
2. Locomotive Movement (AERMOD)
3. I-580 Roadway Shift

Construction Criteria Air Pollutant and GHG Emissions

Appendix L.1

Valley Link

Unmitigated Construction Emissions Summary

(except 2040 Parking Expansion)

Trivalley (Unmitigated)

BAAQMD

Code	2022													2023													2024											
	Pounds per day								Metric tons per day				Gal/day	Pounds per day							Metric tons per day				Gal/day	Pounds per day							Metric tons per day				Gal/day
	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel
TriValAlignSingleTrack	18	187	154	7	7	154	41	1	25	0	0	25	1,257	17	179	145	6	6	154	41	1	25	0	0	25	1,230	2	18	17	1	1	18	5	0	3	0	0	3	152
Bridge-Grubbing/Land Clearing	1	10	12	1	0	5	1	0	1	0	0	1	59	1	10	12	1	0	5	1	0	1	0	0	1	59	1	10	12	1	0	5	1	0	1	0	0	1	59
Bridge-Grading/Excavation	8	82	68	3	3	5	1	0	7	0	0	7	327	8	82	68	3	3	5	1	0	7	0	0	7	327	8	82	68	3	3	5	1	0	7	0	0	7	327
Bridge-Drainage/Utilities/Sub-Grade	5	49	47	2	2	5	1	0	5	0	0	5	225	5	49	47	2	2	5	1	0	5	0	0	5	225	5	49	47	2	2	5	1	0	5	0	0	5	225
Bridge-Paving	1	8	15	0	0	0	0	0	1	0	0	1	57	1	8	15	0	0	0	0	0	1	0	0	1	57	1	8	15	0	0	0	0	0	1	0	0	1	57
Road-Grubbing/Land Clearing	2	21	14	1	1	5	1	0	3	0	0	3	140	2	21	14	1	1	5	1	0	3	0	0	3	140	2	21	14	1	1	5	1	0	3	0	0	3	140
Road-Grading/Excavation	5	59	48	2	2	5	1	0	6	0	0	7	288	5	59	48	2	2	5	1	0	6	0	0	7	288	5	59	48	2	2	5	1	0	6	0	0	7	288
Road-Drainage/Utilities/Sub-Grade	3	32	31	1	1	5	1	0	5	0	0	5	204	3	32	31	1	1	5	1	0	5	0	0	5	204	3	32	31	1	1	5	1	0	5	0	0	5	204
Road-Paving	1	18	20	1	1	0	0	0	3	0	0	3	146	1	18	20	1	1	0	0	0	3	0	0	3	146	1	18	20	1	1	0	0	0	3	0	0	3	146
Dublin/Pleasanton	0	0	0	0	0	0	0	0	0	0	0	0	0	4	32	73	1	1	96	25	0	13	0	0	13	646	3	13	52	0	0	65	16	0	9	0	0	9	480
Isabel	0	0	0	0	0	0	0	0	0	0	0	0	0	4	32	73	1	1	87	23	0	13	0	0	13	646	2	13	52	0	0	65	16	0	9	0	0	9	480
South Front Street IOS	0	0	0	0	0	0	0	0	0	0	0	0	0	9	32	73	1	1	157	34	0	13	0	0	13	646	6	13	52	0	0	65	16	0	9	0	0	9	480
Greenville IOS	0	0	0	0	0	0	0	0	0	0	0	0	0	6	32	73	1	1	101	26	0	13	0	0	13	646	4	13	52	0	0	65	16	0	9	0	0	9	480
Total Alignment	**44**	**466**	**409**	**19**	**17**	**184**	**47**	**1**	**58**	**0**	**0**	**58**	**2,703**	**43**	**458**	**399**	**19**	**16**	**184**	**47**	**1**	**57**	**0**	**0**	**58**	**2,675**	**27**	**297**	**271**	**13**	**11**	**48**	**11**	**1**	**36**	**0**	**0**	**36**	**1,597**
Total	**44**	**466**	**409**	**19**	**17**	**184**	**47**	**1**	**58**	**0**	**0**	**58**	**2,703**	**57**	**554**	**618**	**22**	**20**	**469**	**121**	**2**	**96**	**0**	**0**	**97**	**4,612**	**36**	**335**	**428**	**14**	**12**	**243**	**60**	**1**	**64**	**0**	**0**	**65**	**3,036**

BAAQMD

Code	2022													2023													2024											
	Tons per year								Metric tons per year				Gal/yr	Tons per year							Metric tons per year				Gal/year	Tons per year							Metric tons per year				Gal/yr
	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel
TriValAlignSingleTrack	2	22	19	1	1	18	5	0	6,032	0	0	6,084	301,742	2	20	14	1	1	14	4	0	4,592	0	0	4,630	229,234	0	0	0	0	0	0	0	0	75	0	0	76	3,650
Bridge-Grubbing/Land Clearing	0	1	1	0	0	0	0	0	140	0	0	141	6,202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bridge-Grading/Excavation	1	6	5	0	0	0	0	0	1,164	0	0	1,177	51,731	1	11	9	0	0	1	0	0	1,940	1	0	1,961	86,218	0	2	2	0	0	0	0	0	388	0	0	392	17,244
Bridge-Drainage/Utilities/Sub-Grade	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	5	0	0	0	0	0	1,003	0	0	1,013	44,578	0	3	3	0	0	0	0	0	602	0	0	608	26,747
Bridge-Paving	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	203	0	0	206	9,041
Road-Grubbing/Land Clearing	0	1	1	0	0	0	0	0	333	0	0	344	14,788	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Road-Grading/Excavation	0	5	4	0	0	0	0	0	1,026	0	0	1,047	45,597	1	8	6	0	0	1	0	0	1,710	0	0	1,746	75,995	0	2	1	0	0	0	0	0	342	0	0	349	15,199
Road-Drainage/Utilities/Sub-Grade	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0	0	0	910	0	0	931	40,438	0	2	2	0	0	0	0	0	546	0	0	559	24,263
Road-Paving	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	519	0	0	535	23,065
Dublin/Pleasanton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	0	0	5	1	0	1,292	0	0	1,307	64,198	0	0	2	0	0	2	1	0	634	0	0	638	32,226
Isabel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	0	3	1	0	969	0	0	980	48,149	0	0	1	0	0	2	0	0	476	0	0	479	24,170
South Front Street IOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	0	9	2	0	969	0	0	980	48,149	0	0	1	0	0	2	0	0	476	0	0	479	24,170
Greenville IOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	4	1	0	834	0	0	844	41,275	0	0	1	0	0	1	0	0	343	0	0	346	17,456
Total Alignment	**3**	**35**	**29**	**1**	**1**	**20**	**5**	**0**	**8,695**	**1**	**0**	**8,793**	**420,060**	**4**	**46**	**37**	**2**	**2**	**16**	**4**	**0**	**10,155**	**1**	**0**	**10,281**	**476,462**	**1**	**11**	**11**	**0**	**0**	**1**	**0**	**0**	**2,676**	**0**	**0**	**2,725**	**119,207**
Total	**3**	**35**	**29**	**1**	**1**	**20**	**5**	**0**	**8,695**	**1**	**0**	**8,793**	**420,060**	**5**	**52**	**45**	**2**	**2**	**29**	**8**	**0**	**13,251**	**2**	**0**	**13,412**	**630,085**	**1**	**12**	**15**	**1**	**0**	**6**	**1**	**0**	**4,129**	**1**	**0**	**4,187**	**193,059**

Max	Pounds per day								Tons per year							
	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2
Alignment (Including Bridge/Road)	44	466	409	19	17	184	47	1	4	46	37	2	2	20	5	0
Dublin/Pleasanton	4	32	73	1	1	96	25	0	0	2	4	0	0	5	1	0
Isabel	4	32	73	1	1	87	23	0	0	2	3	0	0	3	1	0
Greenville IOS	6	32	73	1	1	101	26	0	0	2	2	0	0	4	1	0
South Front Street IOS	9	32	73	1	1	157	34	0	0	2	3	0	0	9	2	0
Total (Project Tri Valley Only)																
2022	44	466	409	19	17	184	47	1	3	35	29	1	1	20	5	0
2023	57	554	618	22	20	469	121	2	5	52	45	2	2	29	8	0
2024	36	335	428	14	12	243	60	1	1	12	15	1	0	6	1	0

All emissions occur in BAAQMD

Daily assumes overlap among all road and bridge phases. Consider only including max of road and max of bridge with single track and stations

No difference in Greenville Alternative because we don't have unique construction assumptions.

Altamount (Unmitigated)

BAAQMD

Code	2022												2023												2024											
	Pounds per day								Metric tons per day				Gal/day	Pounds per day								Metric tons per day				Gal/day	Pounds per day								Metric tons per day				Gal/day
	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel
AltaAlignSingleTrack	15	157	131	6	5	130	34	0	21	0	0	21	1,062	14	151	123	5	5	130	34	0	21	0	0	21	1,038	0	0	0	0	0	0	0	0	0	0	0	0	0
AltaAlignDoubleTrack	30	314	262	11	11	259	68	1	42	0	0	43	2,123	28	301	245	11	10	259	68	1	42	0	0	42	2,076	0	0	0	0	0	0	0	0	0	0	0	0	0
InterimOMF	3	33	27	1	1	7	2	0	4	0	0	4	357	2	18	22	1	1	6	2	0	3	0	0	3	263	4	14	17	1	1	5	1	0	2	0	0	2	196
WTracyMtHouseOMF																																							
TracyOMF	Located in SJVAPCD																																						
Mountain House IOS																																							
West Tracy Alternative IOS																																							
Total Single	**18**	**190**	**158**	**7**	**7**	**136**	**36**	**1**	**25**	**0**	**0**	**25**	**1,418**	**16**	**168**	**144**	**6**	**6**	**136**	**36**	**1**	**23**	**0**	**0**	**24**	**1,301**	**4**	**14**	**17**	**1**	**1**	**5**	**1**	**0**	**2**	**0**	**0**	**2**	**196**
Total Double	**33**	**347**	**289**	**13**	**12**	**266**	**71**	**1**	**46**	**0**	**0**	**46**	**2,480**	**30**	**319**	**267**	**12**	**11**	**266**	**70**	**1**	**44**	**0**	**0**	**44**	**2,339**	**4**	**14**	**17**	**1**	**1**	**5**	**1**	**0**	**2**	**0**	**0**	**2**	**196**

BAAQMD

Code	2022												2023												2024											
	Tons per year								Metric tons per year				Gal/yr	Tons per year								Metric tons per year				Gal/yr	Tons per year								Metric tons per year				Gal/yr
	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel
AltaAlignSingleTrack	2	19	16	1	1	16	4	0	5,093	0	0	5,136	254,772	1	12	8	0	0	8	2	0	2,598	0	0	2,619	129,596	0	0	0	0	0	0	0	0	0	0	0	0	0
AltaAlignDoubleTrack	4	38	31	1	1	31	8	0	10,185	0	0	10,273	509,545	2	24	16	1	1	16	4	0	5,196	0	0	5,238	259,191	0	0	0	0	0	0	0	0	0	0	0	0	0
InterimOMF	0	4	3	0	0	1	0	0	854	0	0	876	85,571	0	2	3	0	0	1	0	0	616	0	0	629	63,176	0	2	2	0	0	1	0	0	422	0	0	431	43,142
WTracyMtHouseOMF																																							
TracyOMF																																							
Mountain House IOS																																							
West Tracy Alternative IOS																																							
Total Single	**2**	**23**	**19**	**1**	**1**	**16**	**4**	**0**	**5,947**	**0**	**0**	**6,013**	**340,343**	**1**	**14**	**10**	**1**	**0**	**9**	**2**	**0**	**3,214**	**0**	**0**	**3,248**	**192,771**	**0**	**2**	**2**	**0**	**0**	**1**	**0**	**0**	**422**	**0**	**0**	**431**	**43,142**
Total Double	**4**	**42**	**35**	**2**	**1**	**32**	**8**	**0**	**11,039**	**1**	**0**	**11,149**	**595,115**	**2**	**26**	**18**	**1**	**1**	**16**	**4**	**0**	**5,812**	**0**	**0**	**5,867**	**322,367**	**0**	**2**	**2**	**0**	**0**	**1**	**0**	**0**	**422**	**0**	**0**	**431**	**43,142**

Max	Pounds per day								Tons per year							
	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2
AltaAlignDoubleTrack	30	314	262	11	11	259	68	1	4	38	31	1	1	31	8	0
InterimOMF	4	33	27	1	1	7	2	0	0	4	3	0	0	1	0	0
Total																
2022	33	347	289	13	12	266	71	1	4	42	35	2	1	32	8	0
2023	30	319	267	12	11	266	70	1	2	26	18	1	1	16	4	0
2024	4	14	17	1	1	5	1	0	0	2	2	0	0	1	0	0

Tunnel Avoidance Alternative

Code	2022												2023												2024											
	Pounds per day								Metric tons per day				Gal/day	Pounds per day								Metric tons per day				Gal/day	Pounds per day								Metric tons per day				Gal/day
	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel
AltaAlignTAADoubleTrack	30	316	264	12	11	262	69	1	43	0	0	43	2,136	28	303	247	11	10	262	69	1	42	0	0	42	2,089	0	0	0	0	0	0	0	0	0	0	0	0	0

Code	2022												2023												2024											
	Tons per year								Metric tons per year				Gal/yr	Tons per year								Metric tons per year				Gal/yr	Tons per year								Metric tons per year				Gal/yr
	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel
AltaAlignTAADoubleTrack	4	38	32	1	1	31	8	0	10,247	0	0	10,335	512,622	2	24	16	1	1	16	4	0	5,227	0	0	5,269	260,758	0	0	0	0	0	0	0	0	0	0	0	0	0

Max	Pounds per day								Tons per year							
	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2
AltaAlignTAADoubleTrack	30	316	264	12	11	262	69	1	4	38	32	1	1	31	8	0

SJVAPCD

Code	2022												2023												2024											
	Average Pounds per day								Metric tons per day				Gal/day	Average Pounds per day								Metric tons per day				Gal/day	Average Pounds per day								Metric tons per day				Gal/day
	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel
AltaAlignSingleTrack	3	30	25	1	1	25	7	0						2	19	12	1	1	12	3	0																	
AltaAlignDoubleTrack	6	60	50	2	2	50	13	0						4	39	25	1	1	25	7	0																	
InterimOMF	Located in BAAQMD																																						
WTracyMtHouseOMF	6	106	41	2	2	22	6	0						2	19	24	1	1	9	2	0						5	15	20	1	1	7	2	0					
TracyOMF	6	93	45	2	2	25	7	0						3	25	33	1	1	21	5	0						8	18	25	1	1	14	4	0					
Mountain House IOS	0	0	0	0	0	0	0	0						6	33	78	1	1	88	23	0						4	13	56	0	0	65	16	0					
West Tracy Alternative IOS	0	0	0	0	0	0	0	0						5	33	78	1	1	87	23	0						3	13	56	0	0	65	16	0					

Code	2022												2023												2024											
	Tons per year								Metric tons per year				Gal/yr	Tons per year								Metric tons per year				Gal/yr	Tons per year								Metric tons per year				Gal/yr
	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel
AltaAlignSingleTrack	0	4	3	0	0	3	1	0	974	0	0	982	48,706	0	2	1	0	0	1	0	0	497	0	0	501	24,776	0	0	0	0	0	0	0	0	0	0	0	0	0
AltaAlignDoubleTrack	1	7	6	0	0	6	2	0	1,947	0	0	1,964	97,413	0	5	3	0	0	3	1	0	993	0	0	1,001	49,551	0	0	0	0	0	0	0	0	0	0	0	0	0
InterimOMF																																							
WTracyMtHouseOMF	1	13	5	0	0	3	1	0	3,733	0	1	3,889	368,471	0	2	3	0	0	1	0	0	754	0	0	771	77,800	1	2	2	0	0	1	0	0	536	0	0	548	55,201
TracyOMF	1	11	5	0	0	3	1	0	3,418	0	0	3,551	340,577	0	3	4	0	0	3	1	0	1,368	0	0	1,402	143,026	1	2	3	0	0	2	0	0	858	0	0	878	89,519
Mountain House IOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	0	3	1	0	889	0	0	899	44,229	0	0	1	0	0	1	0	0	439	0	0	442	22,334
West Tracy Alternative IOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	0	0	4	1	0	1,334	0	0	1,349	66,343	0	0	2	0	0	2	1	0	659	0	0	663	33,500

Max	Pounds per day								Tons per year							
	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2
Double Track	6	60	50	2	2	50	13	0	1	7	6	0	0	6	2	0
Tracy OMF	8	93	45	2	2	25	7	0	1	11	5	0	0	3	1	0
Mountain House Station	6	33	78	1	1	88	23	0	0	2	3	0	0	3	1	0
West Tracy OMF	6	106	41	2	2	22	6	0	1	13	5	0	0	3	1	0
West Tracy Alternative Station	5	33	78	1	1	87	23	0	0	2	4	0	0	4	1	0
Total																
2022	12	153	95	4	4	75	20	0	1	18	11	0	0	9	2	0
2023	13	96	136	3	3	133	35	1	1	9	10	0	0	8	2	0
2024	11	31	80	1	1	79	20	0	1	2	4	0	0	3	1	0

Tracy-Lathrop (Unmitigated)

SJVAPCD

Code	2022												2023												2024											
	Average Pounds per day								Metric tons per day				Gal/day	Average Pounds per day								Metric tons per day				Gal/day	Average Pounds per day								Metric tons per day				Gal/day
	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel
TraLathAlignSingleTrack	18	188	166	7	7	154	41	1						15	166	121	6	6	117	31	0						1	6	6	0	0	6	2	0					
TraLathAlignDoubleTrack	36	376	331	14	13	309	81	1						31	333	241	12	11	234	61	1						1	11	11	0	0	12	3	0					
Downtown Tracy	0	0	0	0	0	0	0	0						2	12	26	0	0	51	11	0						3	13	55	0	0	64	16	0					
Downtown Tracy South Garage	0	0	0	0	0	0	0	0						2	15	24	1	1	59	13	0						2	9	37	0	0	43	11	0					
Downtown Tracy North Garage	0	0	0	0	0	0	0	0						2	15	24	1	1	59	13	0						2	9	37	0	0	43	11	0					
River Islands	0	0	0	0	0	0	0	0						2	13	21	0	0	25	7	0						3	8	33	0	0	38	9	0					
North Lathrop	0	0	0	0	0	0	0	0						2	12	26	0	0	30	8	0						3	13	55	0	0	64	16	0					

Code	2022												2023												2024											
	Tons per year								Metric tons per year				Gal/yr	Tons per year								Metric tons per year				Gal/year	Tons per year								Metric tons per year				Gal/yr
	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel
TraLathAlignSingleTrack	2	23	20	1	1	19	5	0	6,242	0	0	6,297	312,562	2	20	14	1	1	14	4	0	4,747	0	0	4,786	237,194	0	0	0	0	0	0	0	0	77	0	0	78	3,746
TraLathAlignDoubleTrack	4	45	40	2	2	37	10	0	12,485	0	0	12,593	625,123	4	40	29	1	1	28	7	0	9,494	0	0	9,572	474,389	0	0	0	0	0	0	0	0	154	0	0	157	7,491
Downtown Tracy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	6	1	0	1,088	0	0	1,099	54,614	0	0	2	0	0	2	1	0	741	0	0	746	37,688
Downtown Tracy South Garage	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	0	7	2	0	1,000	0	0	1,012	49,757	0	0	1	0	0	2	0	0	494	0	0	497	25,125
Downtown Tracy North Garage	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	0	7	2	0	1,000	0	0	1,012	49,757	0	0	1	0	0	2	0	0	494	0	0	497	25,125
River Islands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	0	3	1	0	889	0	0	899	44,229	0	0	1	0	0	1	0	0	439	0	0	442	22,334
North Lathrop	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	4	1	0	1,088	0	0	1,099	54,614	0	0	2	0	0	2	1	0	741	0	0	746	37,688

Max	Pounds per day								Tons per year							
	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2
Double Track	36	376	331	14	13	309	81	1	4	45	40	2	2	37	10	0
Downtown Tracy	3	13	55	0	0	64	16	0	0	1	3	0	0	6	1	0
Downtown Tracy South Garage	2	15	37	1	1	59	13	0	0	2	3	0	0	7	2	0
Downtown Tracy North Garage	2	15	37	1	1	59	13	0	0	2	3	0	0	7	2	0
River Islands	3	13	33	0	0	38	9	0	0	2	3	0	0	3	1	0
North Lathrop	3	13	55	0	0	64	16	0	0	1	3	0	0	4	1	0
Total (Project)																
2022	36	376	331	14	13	309	81	1	4	45	40	2	2	37	10	0
2023	36	370	316	13	13	340	88	1	4	44	38	2	2	41	11	0
2024	10	45	155	2	2	179	45	1	0	2	6	0	0	7	2	0

All emissions occur in SJVAPCD

Appendix L.1

Valley Link

Mitigated Construction Emissions Summary

(except 2040 Parking Expansion)

TriValley (Mitigated)

BAAQMD

Code	2022													2023												2024											
	Pounds per day								Metric tons per day				Gal/day	Pounds per day							Metric tons per day				Gal/day	Pounds per day							Metric tons per day				Gal/day
	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel
TriValAlignSingleTrack	14	152	155	5	5	151	40	1	25	0	0	25	1,257	14	150	147	5	5	151	40	1	25	0	0	25	1,230	0	5	17	0	0	18	5	0	3	0	0	3	152
Bridge-Grubbing/Land Clearing	1	2	15	0	0	5	1	0	1	0	0	1	59	1	2	15	0	0	5	1	0	1	0	0	1	59	1	2	15	0	0	5	1	0	1	0	0	1	59
Bridge-Grading/Excavation	5	10	93	1	1	5	1	0	7	0	0	7	327	5	10	93	1	1	5	1	0	7	0	0	7	327	5	10	93	1	1	5	1	0	7	0	0	7	327
Bridge-Drainage/Utilities/Sub-Grade	3	7	62	1	0	5	1	0	5	0	0	5	225	3	7	62	1	0	5	1	0	5	0	0	5	225	3	7	62	1	0	5	1	0	5	0	0	5	225
Bridge-Paving	1	2	16	0	0	0	0	0	1	0	0	1	57	1	2	16	0	0	0	0	0	1	0	0	1	57	1	2	16	0	0	0	0	0	1	0	0	1	57
Road-Grubbing/Land Clearing	1	9	16	0	0	5	1	0	3	0	0	3	138	1	9	16	0	0	5	1	0	3	0	0	3	138	1	9	16	0	0	5	1	0	3	0	0	3	138
Road-Grading/Excavation	3	13	61	1	0	5	1	0	6	0	0	7	287	3	13	61	1	0	5	1	0	6	0	0	7	287	3	13	61	1	0	5	1	0	6	0	0	7	287
Road-Drainage/Utilities/Sub-Grade	2	11	37	1	0	5	1	0	5	0	0	5	204	2	11	37	1	0	5	1	0	5	0	0	5	204	2	11	37	1	0	5	1	0	5	0	0	5	204
Road-Paving	1	9	22	0	0	0	0	0	3	0	0	3	145	1	9	22	0	0	0	0	0	3	0	0	3	145	1	9	22	0	0	0	0	0	3	0	0	3	145
Dublin/Pleasanton	0	0	0	0	0	0	0	0	0	0	0	0	0	2	10	75	0	0	94	25	0	13	0	0	13	646	2	5	54	0	0	64	16	0	9	0	0	9	480
Isabel	0	0	0	0	0	0	0	0	0	0	0	0	0	2	10	75	0	0	85	23	0	13	0	0	13	646	1	5	54	0	0	64	16	0	9	0	0	9	480
South Front Street IOS	0	0	0	0	0	0	0	0	0	0	0	0	0	7	10	75	0	0	155	34	0	13	0	0	13	646	6	5	54	0	0	64	16	0	9	0	0	9	480
Greenville IOS	0	0	0	0	0	0	0	0	0	0	0	0	0	4	10	75	0	0	100	25	0	13	0	0	13	646	4	5	54	0	0	64	16	0	9	0	0	9	480
Total Alignment	**31**	**215**	**478**	**9**	**7**	**181**	**47**	**1**	**58**	**0**	**0**	**58**	**2,698**	**30**	**212**	**469**	**9**	**7**	**181**	**47**	**1**	**57**	**0**	**0**	**58**	**2,671**	**17**	**68**	**340**	**4**	**2**	**48**	**11**	**1**	**36**	**0**	**0**	**36**	**1,593**
Total	**31**	**215**	**478**	**9**	**7**	**181**	**47**	**1**	**58**	**0**	**0**	**58**	**2,698**	**39**	**242**	**695**	**10**	**8**	**460**	**120**	**2**	**96**	**0**	**0**	**97**	**4,607**	**24**	**83**	**502**	**4**	**3**	**239**	**59**	**1**	**64**	**0**	**0**	**65**	**3,032**

BAAQMD

Code	2022													2023												2024											
	Tons per year								Metric tons per year				Gal/yr	Tons per year								Metric tons per year				Gal/year	Tons per year								Metric tons per year				Gal/yr
	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel
TriValAlignSingleTrack	2	18	19	1	1	18	5	0	6,032	0	0	6,084	301,742	2	17	14	1	1	14	4	0	4,592	0	0	4,630	229,234	0	0	0	0	0	0	0	0	75	0	0	76	3,650
Bridge-Grubbing/Land Clearing	0	0	1	0	0	0	0	0	139	0	0	141	6,193	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bridge-Grading/Excavation	0	1	7	0	0	0	0	0	1,164	0	0	1,177	51,724	1	1	12	0	0	1	0	0	1,940	1	0	1,961	86,207	0	0	2	0	0	0	0	0	388	0	0	392	17,241
Bridge-Drainage/Utilities/Sub-Grade	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	0	0	0	0	0	1,003	0	0	1,013	44,574	0	0	4	0	0	0	0	0	602	0	0	608	26,744
Bridge-Paving	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	203	0	0	206	9,039
Road-Grubbing/Land Clearing	0	0	1	0	0	0	0	0	328	0	0	338	14,564	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Road-Grading/Excavation	0	1	5	0	0	0	0	0	1,022	0	0	1,043	45,427	0	2	8	0	0	1	0	0	1,704	0	0	1,739	75,712	0	0	2	0	0	0	0	0	341	0	0	348	15,142
Road-Drainage/Utilities/Sub-Grade	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	0	908	0	0	929	40,343	0	1	2	0	0	0	0	0	545	0	0	557	24,206
Road-Paving	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	517	0	0	533	22,995
Dublin/Pleasanton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	5	1	0	1,292	0	0	1,306	64,169	0	0	2	0	0	2	1	0	634	0	0	638	32,226
Isabel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	1	0	969	0	0	980	48,126	0	0	1	0	0	2	0	0	476	0	0	479	24,170
South Front Street IOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	9	2	0	969	0	0	980	48,126	0	0	1	0	0	2	0	0	476	0	0	479	24,170
Greenville IOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	4	1	0	833	0	0	844	41,253	0	0	1	0	0	1	0	0	343	0	0	346	17,456
Total Alignment	**2**	**21**	**33**	**1**	**1**	**19**	**5**	**0**	**8,686**	**1**	**0**	**8,783**	**419,651**	**3**	**22**	**44**	**1**	**1**	**16**	**4**	**0**	**10,147**	**1**	**0**	**10,271**	**476,070**	**1**	**3**	**13**	**0**	**0**	**1**	**0**	**0**	**2,671**	**0**	**0**	**2,720**	**119,017**
Total	**2**	**21**	**33**	**1**	**1**	**19**	**5**	**0**	**8,686**	**1**	**0**	**8,783**	**419,651**	**3**	**24**	**53**	**1**	**1**	**28**	**7**	**0**	**13,240**	**2**	**0**	**13,401**	**629,619**	**1**	**3**	**17**	**0**	**0**	**6**	**1**	**0**	**4,124**	**1**	**0**	**4,183**	**192,868**

Max	Pounds per day								Tons per year							
	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2
Alignment (Including Bridge/Road)	31	215	478	9	7	181	47	1	3	22	44	1	1	19	5	0
Dublin/Pleasanton	2	10	75	0	0	94	25	0	0	1	4	0	0	5	1	0
Isabel	2	10	75	0	0	85	23	0	0	0	3	0	0	3	1	0
Greenville IOS	4	10	75	0	0	100	25	0	0	0	2	0	0	4	1	0
South Front Street IOS	7	10	75	0	0	155	34	0	0	0	3	0	0	9	2	0
Total (Project Tri Valley Only)																
2022	31	215	478	9	7	181	47	1	2	21	33	1	1	19	5	0
2023	39	242	695	10	8	460	120	2	3	24	53	1	1	28	7	0
2024	24	83	502	4	3	239	59	1	1	3	17	0	0	6	1	0

	Total			
	CO2	CH4	N20	CO2e
Tri-Valley (Total with Greenville)	26,050	3	1	26,366
Tri-Valley (Total with Southfront)	26,318	3	1	26,635
	267	0	0	269

All emissions occur in BAAQMD

Daily assumes overlap among all road and bridge phases. Consider only including max of road and max of bridge with single track and stations

No difference in Greenville Alternative because we don't have unique construction assumptions.

Altamont (Mitigated)

BAAQMD

Code	2022												2023												2024											
	Pounds per day								Metric tons per day				Gal/day	Pounds per day								Metric tons per day				Gal/day	Pounds per day								Metric tons per day				Gal/day
	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel
AltaAlignSingleTrack	12	128	135	4	4	127	34	0	21	0	0	22	1,075	12	126	127	4	4	127	34	0	21	0	0	21	1,051	0	0	0	0	0	0	0	0	0	0	0	0	0
AltaAlignDoubleTrack	24	256	270	8	8	254	68	1	43	0	0	43	2,149	23	252	254	8	8	254	68	1	42	0	0	42	2,101	0	0	0	0	0	0	0	0	0	0	0	0	0
InterimOMF	1	8	27	0	0	7	2	0	4	0	0	4	354	1	5	23	0	0	6	2	0	3	0	0	3	264	3	4	18	0	0	5	1	0	2	0	0	2	197
WTracyMtHouseOMF																																							
TracyOMF	Located in SJVAPCD																																						
Mountain House IOS																																							
West Tracy Alternative IOS																																							
Total Single	**13**	**136**	**162**	**4**	**4**	**134**	**36**	**1**	**25**	**0**	**0**	**25**	**1,429**	**13**	**131**	**150**	**4**	**4**	**133**	**36**	**1**	**24**	**0**	**0**	**24**	**1,315**	**3**	**4**	**18**	**0**	**0**	**5**	**1**	**0**	**2**	**0**	**0**	**2**	**197**
Total Double	**25**	**264**	**297**	**9**	**8**	**260**	**70**	**1**	**46**	**0**	**0**	**47**	**2,503**	**24**	**258**	**277**	**8**	**8**	**260**	**70**	**1**	**45**	**0**	**0**	**45**	**2,365**	**3**	**4**	**18**	**0**	**0**	**5**	**1**	**0**	**2**	**0**	**0**	**2**	**197**

BAAQMD

Code	2022												2023												2024											
	Tons per year								Metric tons per year				Gal/yr	Tons per year								Metric tons per year				Gal/year	Tons per year								Metric tons per year				Gal/yr
	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel
AltaAlignSingleTrack	1	15	16	1	0	15	4	0	5,153	0	0	5,198	257,906	1	11	8	0	0	8	2	0	2,628	0	0	2,649	131,129	0	0	0	0	0	0	0	0	0	0	0	0	0
AltaAlignDoubleTrack	3	31	32	1	1	30	8	0	10,307	0	0	10,396	515,812	2	22	16	1	1	15	4	0	5,255	0	0	5,298	262,259	0	0	0	0	0	0	0	0	0	0	0	0	0
InterimOMF	0	1	3	0	0	1	0	0	848	0	0	869	84,971	0	1	3	0	0	1	0	0	619	0	0	632	63,421	0	0	2	0	0	1	0	0	425	0	0	433	43,398
WTracyMtHouseOMF																																							
TracyOMF																																							
Mountain House IOS																																							
West Tracy Alternative IOS																																							
Total Single	**2**	**16**	**19**	**1**	**1**	**16**	**4**	**0**	**6,001**	**0**	**0**	**6,067**	**342,877**	**1**	**12**	**11**	**0**	**0**	**8**	**2**	**0**	**3,246**	**0**	**0**	**3,280**	**194,550**	**0**	**0**	**2**	**0**	**0**	**1**	**0**	**0**	**425**	**0**	**0**	**433**	**43,398**
Total Double	**3**	**32**	**36**	**1**	**1**	**31**	**8**	**0**	**11,154**	**1**	**0**	**11,265**	**600,783**	**2**	**22**	**19**	**1**	**1**	**16**	**4**	**0**	**5,874**	**0**	**0**	**5,929**	**325,680**	**0**	**0**	**2**	**0**	**0**	**1**	**0**	**0**	**425**	**0**	**0**	**433**	**43,398**

	Pounds per day								Tons per year							
Max	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2
AltaAlignDoubleTrack	24	256	270	8	8	254	68	1	3	31	32	1	1	30	8	0
InterimOMF	3	8	27	0	0	7	2	0	0	1	3	0	0	1	0	0
Total																
2022	25	264	297	9	8	260	70	1	3	32	36	1	1	31	8	0
2023	24	258	277	8	8	260	70	1	2	22	19	1	1	16	4	0
2024	3	4	18	0	0	5	1	0	0	0	2	0	0	1	0	0

Tunnel Avoidance Alternative

Code	2022												2023												2024											
	Pounds per day								Metric tons per day				Gal/day	Pounds per day								Metric tons per day				Gal/day	Pounds per day								Metric tons per day				Gal/day
	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel
AltaAlignTAADoubleTrack	24	257	266	8	8	257	68	1	43	0	0	43	2,136	23	253	250	8	8	257	68	1	42	0	0	42	2,089	0	0	0	0	0	0	0	0	0	0	0	0	0

Code	2022												2023												2024											
	Tons per year								Metric tons per year				Gal/yr	Tons per year								Metric tons per year				Gal/year	Tons per year								Metric tons per year				Gal/yr
	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel
AltaAlignTAADoubleTrack	3	31	32	1	1	31	8	0	10,247	0	0	10,335	512,622	2	22	16	1	1	15	4	0	5,227	0	0	5,269	260,758	0	0	0	0	0	0	0	0	0	0	0	0	0

	Pounds per day								Tons per year							
Max	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2
AltaAlignTAADoubleTrack	24	257	266	8	8	257	68	1	3	31	32	1	1	31	8	0

SJVAPCD

Code	2022												2023												2024											
	Average Pounds per day								Metric tons per day				Gal/day	Average Pounds per day								Metric tons per day				Gal/day	Average Pounds per day								Metric tons per day				Gal/day
	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel
AltaAlignSingleTrack	2	24	26	1	1	24	6	0						2	17	13	1	1	12	3	0																	
AltaAlignDoubleTrack	5	49	52	2	2	49	13	0						3	35	26	1	1	24	6	0																	
InterimOMF	Located in BAAQMD																																						
WTracyMtHouseOMF	2	58	38	0	0	22	6	0						1	7	25	0	0	9	2	0						4	5	21	0	0	7	2	0					
TracyOMF	2	50	42	0	0	25	7	0						2	12	35	0	0	21	5	0						7	8	26	0	0	14	4	0					
Mountain House IOS	0	0	0	0	0	0	0	0						4	10	80	0	0	86	23	0						3	5	58	0	0	64	16	0					
West Tracy Alternative IOS	0	0	0	0	0	0	0	0						3	10	80	0	0	85	23	0						2	5	58	0	0	64	16	0					

SJVAPCD

Code	2022												2023												2024											
	Tons per year								Metric tons per year				Gal/yr	Tons per year								Metric tons per year				Gal/year	Tons per year								Metric tons per year				Gal/yr
	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel
AltaAlignSingleTrack	0	3	3	0	0	3	1	0	985	0	0	994	49,306	0	2	2	0	0	1	0	0	502	0	0	506	25,069	0	0	0	0	0	0	0	0	0	0	0	0	0
AltaAlignDoubleTrack	1	6	6	0	0	6	2	0	1,970	0	0	1,987	98,611	0	4	3	0	0	3	1	0	1,005	0	0	1,013	50,138	0	0	0	0	0	0	0	0	0	0	0	0	0
InterimOMF																																							
WTracyMtHouseOMF	0	7	5	0	0	3	1	0	3,658	0	0	3,810	361,157	0	1	3	0	0	1	0	0	757	0	0	774	78,146	0	1	2	0	0	1	0	0	540	0	0	551	55,583
TracyOMF	0	6	5	0	0	3	1	0	3,358	0	0	3,488	334,762	0	1	4	0	0	3	1	0	1,375	0	0	1,408	143,818	1	1	3	0	0	2	0	0	865	0	0	885	90,307
Mountain House IOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	1	0	889	0	0	899	44,209	0	0	1	0	0	1	0	0	439	0	0	442	22,333
West Tracy Alternative IOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	4	1	0	1,333	0	0	1,348	66,313	0	0	2	0	0	2	1	0	659	0	0	663	33,500

	Pounds per day								Tons per year							
Max	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2
Double Track	5	49	52	2	2	49	13	0	1	6	6	0	0	6	2	0
Tracy OMF	7	50	42	0	0	25	7	0	1	6	5	0	0	3	1	0
Mountain House Station	4	10	80	0	0	86	23	0	0	0	3	0	0	3	1	0
West Tracy OMF	4	58	38	0	0	22	6	0	0	7	5	0	0	3	1	0
West Tracy Alternative Station	3	10	80	0	0	85	23	0	0	1	4	0	0	4	1	0
Total																
2022	7	99	93	2	2	74	20	0	1	12	11	0	0	9	2	0
2023	9	58	140	1	1	131	35	1	1	6	10	0	0	8	2	0
2024	10	14	83	0	0	78	20	0	1	1	4	0	0	3	1	0

	Total			
	CO2	CH4	N20	CO2e
Double Track + Interim OMF + Tracy OMF + Mountain House Station	24,379	1	1	24,750
Mountain House Station	1,328	0	0	1,341
West Tracy Station	1,992	0	0	2,011
Tracy OMF	5,598	0	1	5,781
West Tracy OMF	4,955	0	1	5,135
West Tracy Station v. Mountain House Station	664	0	0	670
West Tracy OMF v. Tracy OMF	-643	0	0	-646
Tunnel Avoidance Alternative	18,352	1	0	18,507
Altamont Pass - Alignment (Entire)	18,537	1	0	18,694
Tunnel Avoidance Alternative v. Altamont Pass - Alignment (Entire)	-185	0	0	-187

Tracy-Lathrop (Mitigated)

SJVAPCD

Code	2022												2023												2024											
	Average Pounds per day								Metric tons per day				Gal/day	Average Pounds per day								Metric tons per day				Gal/day	Average Pounds per day								Metric tons per day				Gal/day
	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel
TraLathAlignSingleTrack	15	153	167	5	5	151	40	1						13	146	122	5	5	115	30	0						0	2	6	0	0	6	2	0					
TraLathAlignDoubleTrack	29	306	333	10	10	302	81	1						27	292	244	10	9	229	61	1						0	3	11	0	0	11	3	0					
Downtown Tracy	0	0	0	0	0	0	0	0						1	4	25	0	0	59	13	0						2	4	38	0	0	42	11	0					
Downtown Tracy South Garage	0	0	0	0	0	0	0	0						1	4	25	0	0	59	13	0						2	4	38	0	0	42	11	0					
Downtown Tracy North Garage	0	0	0	0	0	0	0	0						1	4	25	0	0	59	13	0						2	4	38	0	0	42	11	0					
River Islands	0	0	0	0	0	0	0	0						1	4	22	0	0	24	7	0						2	3	34	0	0	38	9	0					
North Lathrop	0	0	0	0	0	0	0	0						1	4	27	0	0	29	8	0						2	5	57	0	0	63	16	0					

SJVAPCD

Code	2022												2023												2024											
	Tons per year								Metric tons per year				Gal/yr	Tons per year								Metric tons per year				Gal/year	Tons per year								Metric tons per year				Gal/yr
	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel
TraLathAlignSingleTrack	2	18	20	1	1	18	5	0	6,242	0	0	6,297	312,562	2	18	15	1	1	14	4	0	4,747	0	0	4,786	237,194	0	0	0	0	0	0	0	0	77	0	0	78	3,746
TraLathAlignDoubleTrack	3	37	40	1	1	36	10	0	12,485	0	0	12,593	625,123	3	35	29	1	1	28	7	0	9,494	0	0	9,571	474,389	0	0	0	0	0	0	0	0	154	0	0	157	7,491
Downtown Tracy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	7	2	0	1,000	0	0	1,011	49,735	0	0	1	0	0	2	0	0	494	0	0	497	25,125
Downtown Tracy South Garage	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	7	2	0	1,000	0	0	1,011	49,735	0	0	1	0	0	2	0	0	494	0	0	497	25,125
Downtown Tracy North Garage	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	7	2	0	1,000	0	0	1,011	49,735	0	0	1	0	0	2	0	0	494	0	0	497	25,125
River Islands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	1	0	889	0	0	899	44,209	0	0	1	0	0	1	0	0	439	0	0	442	22,333
North Lathrop	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	4	1	0	1,088	0	0	1,099	54,599	0	0	2	0	0	2	1	0	741	0	0	746	37,688

Max	Pounds per day								Tons per year							
	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2
Double Track	29	306	333	10	10	302	81	1	3	37	40	1	1	36	10	0
Downtown Tracy	2	4	38	0	0	59	13	0	0	1	3	0	0	7	2	0
Downtown Tracy South Garage	2	4	38	0	0	59	13	0	0	1	3	0	0	7	2	0
Downtown Tracy North Garage	2	4	38	0	0	59	13	0	0	1	3	0	0	7	2	0
River Islands	2	4	34	0	0	38	9	0	0	0	3	0	0	3	1	0
North Lathrop	2	5	57	0	0	63	16	0	0	0	3	0	0	4	1	0
Total (Project)																
2022	29	306	333	10	10	302	81	1	3	37	40	1	1	36	10	0
2023	30	304	317	10	10	341	89	1	4	36	38	1	1	41	11	0
2024	7	15	141	0	0	154	39	1	0	1	5	0	0	6	1	0

	Total			
	CO2	CH4	N20	CO2e
Double + Downtown Tracy + River Islands + North Lathrop	26,784	1	1	27,015
Downtown Station	1,494	0	0	1,509
Downtown Station Alternative 1	1,494	0	0	1,509
Downtown Station Alternative 2	1,494	0	0	1,509
Downtown Station Alternative 1 v. Downtown Station	0	0	0	0
Downtown Station Alternative 2 v. Downtown Station	0	0	0	0

All emissions occur in SJVAPCD

Appendix L.1

Valley Link

Construction Emissions Factors

Source: CalEEMod version 2016.3.2

OFFROAD Equipment Type	Horsepower	CMOD High	Carl Moyer LF
Aerial Lifts	63	50	0.31
Air Compressors	78	120	0.48
Bore/Drill Rigs	221	250	0.50
Cement and Mortar Mixers	9	15	0.56
Concrete/Industrial Saws	81	120	0.73
Cranes	231	250	0.29
Crawler Tractors	212	250	0.43
Crushing/Proc. Equipment	85	120	0.78
Dumpers/Tenders	16	15	0.38
Excavators	158	175	0.38
Forklifts	89	120	0.20
Generator Sets	84	120	0.74
Graders	187	175	0.41
Off-Highway Tractors	124	120	0.44
Off-Highway Trucks	402	500	0.38
Other Construction Equipment	172	175	0.42
Other General Industrial Equipment	88	120	0.34
Other Material Handling Equipment	168	175	0.40
Pavers	130	120	0.42
Paving Equipment	132	120	0.36
Plate Compactors	8	15	0.43
Pressure Washers	13	15	0.30
Pumps	84	120	0.74
Rollers	80	120	0.38
Rough Terrain Forklifts	100	120	0.40
Rubber Tired Dozers	247	250	0.40
Rubber Tired Loaders	203	250	0.36
Scrapers	367	500	0.48
Signal Boards	6	15	0.82
Skid Steer Loaders	65	75	0.37
Surfacing Equipment	263	250	0.30
Sweepers/Scrubbers	64	75	0.46
Tractors/Loaders/Backhoes	97	120	0.37
Trenchers	78	120	0.50
Welders	46	50	0.45

Source: CalEEMod version 2016.3.2 (Unmitigated) (grams per bhp-hr)

			1	2	3	4	5	6	7	8	9	10	11
Equipment Type	**Year**	**Concatenate**	**HP**	**ROG**	**NOX**	**CO**	**PM10**	**PM2.5**	**SO2**	**CO2**	**CH4**	**N2O**
Aerial Lifts	1990	1990Aerial Lifts15	15	1.804	9.999	4.999	0.968	0.968	0.833	568.299	0.162	0.014
Aerial Lifts	1990	1990Aerial Lifts25	25	2.213	6.92	5	0.735	0.735	0.679	568.299	0.199	0.014
Aerial Lifts	1990	1990Aerial Lifts50	50	3.256	7.372	6.91	0.948	0.948	0.692	568.299	0.293	0.014
Aerial Lifts	1990	1990Aerial Lifts120	120	1.927	13.323	5.026	1.005	1.005	0.628	568.299	0.173	0.014
Aerial Lifts	1990	1990Aerial Lifts500	500	1.214	11.7	6.888	0.605	0.605	0.525	568.299	0.109	0.014
Aerial Lifts	1990	1990Aerial Lifts750	750	1.214	11.7	6.887	0.605	0.605	0.538	568.299	0.109	0.014
Aerial Lifts	2000	2000Aerial Lifts15	15	1.629	8.804	4.729	0.737	0.737	0.079	568.299	0.147	0.014
Aerial Lifts	2000	2000Aerial Lifts25	25	2.077	6.401	4.749	0.569	0.569	0.064	568.299	0.187	0.014
Aerial Lifts	2000	2000Aerial Lifts50	50	3.084	6.596	6.643	0.711	0.711	0.065	568.3	0.278	0.014
Aerial Lifts	2000	2000Aerial Lifts120	120	1.569	9.602	4.216	0.705	0.705	0.059	568.299	0.141	0.014
Aerial Lifts	2000	2000Aerial Lifts500	500	0.819	8.191	3.931	0.31	0.31	0.049	568.3	0.073	0.014
Aerial Lifts	2000	2000Aerial Lifts750	750	0.819	8.191	3.931	0.31	0.31	0.051	568.299	0.073	0.014
Aerial Lifts	2005	2005Aerial Lifts15	15	0.907	5.927	3.649	0.424	0.424	0.079	568.3	0.081	0.014
Aerial Lifts	2005	2005Aerial Lifts25	25	1.558	5.978	3.804	0.474	0.474	0.064	568.299	0.14	0.014
Aerial Lifts	2005	2005Aerial Lifts50	50	2.717	6.139	6.122	0.657	0.657	0.065	568.299	0.245	0.014
Aerial Lifts	2005	2005Aerial Lifts120	120	1.34	8.079	3.898	0.651	0.651	0.059	568.299	0.12	0.014
Aerial Lifts	2005	2005Aerial Lifts500	500	0.556	6.521	2.307	0.217	0.217	0.049	568.299	0.05	0.014
Aerial Lifts	2005	2005Aerial Lifts750	750	0.572	6.666	2.307	0.219	0.219	0.051	568.299	0.051	0.014
Aerial Lifts	2010	2010Aerial Lifts15	15	0.5430	4.927	3.62771	0.3220	0.2960	0.0050	583.4159	0.1700	0.015
Aerial Lifts	2010	2010Aerial Lifts25	25	0.5430	4.927	3.62771	0.3220	0.2960	0.0050	583.4159	0.1700	0.015
Aerial Lifts	2010	2010Aerial Lifts50	50	0.5430	4.927	3.62771	0.3220	0.2960	0.0050	583.4159	0.1700	0.015
Aerial Lifts	2010	2010Aerial Lifts120	120	0.4020	5.13121	3.35167	0.3290	0.303	0.0050	524.5713	0.1530	0.013
Aerial Lifts	2010	2010Aerial Lifts500	500	0.4560	7.02372	1.70527	0.2200	0.2020	0.0050	524.505	0.1530	0.013
Aerial Lifts	2010	2010Aerial Lifts750	750	0.409	5.216	1.535	0.16	0.16	0.005	568.299	0.036	0.014
Aerial Lifts	2011	2011Aerial Lifts15	15	0.4140	4.84101	3.43961	0.2740	0.2530	0.0050	581.9574	0.1700	0.015
Aerial Lifts	2011	2011Aerial Lifts25	25	0.4140	4.84101	3.43961	0.2740	0.2530	0.0050	581.9574	0.1700	0.015
Aerial Lifts	2011	2011Aerial Lifts50	50	0.4140	4.84101	3.43961	0.2740	0.2530	0.0050	581.9574	0.1700	0.015
Aerial Lifts	2011	2011Aerial Lifts120	120	0.3410	4.72007	3.31532	0.2870	0.2640	0.0050	523.2599	0.1530	0.013
Aerial Lifts	2011	2011Aerial Lifts500	500	0.4600	7.05257	1.71344	0.2220	0.2040	0.0050	523.1938	0.1530	0.013
Aerial Lifts	2011	2011Aerial Lifts750	750	0.373	4.839	1.402	0.144	0.144	0.005	568.299	0.033	0.014
Aerial Lifts	2012	2012Aerial Lifts15	15	0.3770	4.66755	3.41137	0.2470	0.2270	0.0050	580.4989	0.1700	0.015
Aerial Lifts	2012	2012Aerial Lifts25	25	0.3770	4.66755	3.41137	0.2470	0.2270	0.0050	580.4989	0.1700	0.015
Aerial Lifts	2012	2012Aerial Lifts50	50	0.3770	4.66755	3.41137	0.2470	0.2270	0.0050	580.4989	0.1700	0.015
Aerial Lifts	2012	2012Aerial Lifts120	120	0.2930	4.38748	3.28979	0.2510	0.231	0.0050	521.9485	0.1530	0.013
Aerial Lifts	2012	2012Aerial Lifts500	500	0.4630	7.08141	1.72161	0.2250	0.2070	0.0050	521.8825	0.1530	0.013
Aerial Lifts	2012	2012Aerial Lifts750	750	0.346	4.488	1.307	0.131	0.131	0.005	568.299	0.031	0.014
Aerial Lifts	2013	2013Aerial Lifts15	15	0.3070	4.33199	3.29997	0.1960	0.1800	0.0050	577.5818	0.1700	0.015
Aerial Lifts	2013	2013Aerial Lifts25	25	0.3070	4.33199	3.29997	0.1960	0.1800	0.0050	577.5818	0.1700	0.015
Aerial Lifts	2013	2013Aerial Lifts50	50	0.3070	4.33199	3.29997	0.1960	0.1800	0.0050	577.5818	0.1700	0.015
Aerial Lifts	2013	2013Aerial Lifts120	120	0.2430	3.92887	3.25075	0.2020	0.1860	0.0050	519.3256	0.1530	0.013
Aerial Lifts	2013	2013Aerial Lifts500	500	0.233	4.58384	0.97787	0.1000	0.0920	0.0050	519.26	0.1530	0.013
Aerial Lifts	2013	2013Aerial Lifts750	750	0.322	4.155	1.237	0.119	0.119	0.005	568.299	0.029	0.014
Aerial Lifts	2014	2014Aerial Lifts15	15	0.2600	4.09559	3.23337	0.1580	0.1450	0.0050	574.6647	0.1700	0.015
Aerial Lifts	2014	2014Aerial Lifts25	25	0.2600	4.09559	3.23337	0.1580	0.1450	0.0050	574.6647	0.1700	0.015
Aerial Lifts	2014	2014Aerial Lifts50	50	0.2600	4.09559	3.23337	0.1580	0.1450	0.0050	574.6647	0.1700	0.015
Aerial Lifts	2014	2014Aerial Lifts120	120	0.2020	3.37278	3.2195	0.1610	0.1480	0.0050	516.7408	0.1530	0.013
Aerial Lifts	2014	2014Aerial Lifts500	500	0.2360	4.60231	0.98271	0.1010	0.0930	0.0050	516.6375	0.1530	0.013
Aerial Lifts	2014	2014Aerial Lifts750	750	0.299	3.761	1.178	0.109	0.109	0.005	568.299	0.027	0.014
Aerial Lifts	2015	2015Aerial Lifts15	15	0.2480	3.93284	3.23342	0.136	0.1250	0.0050	568.8305	0.1700	0.014
Aerial Lifts	2015	2015Aerial Lifts25	25	0.2480	3.93284	3.23342	0.136	0.1250	0.0050	568.8305	0.1700	0.014
Aerial Lifts	2015	2015Aerial Lifts50	50	0.2480	3.93284	3.23342	0.136	0.1250	0.0050	568.8305	0.1700	0.014
Aerial Lifts	2015	2015Aerial Lifts120	120	0.1910	3.1134	3.21782	0.1430	0.1320	0.0050	511.457	0.1530	0.013
Aerial Lifts	2015	2015Aerial Lifts500	500	0.2390	4.62077	0.98755	0.1020	0.0940	0.0050	511.3924	0.1530	0.013
Aerial Lifts	2015	2015Aerial Lifts750	750	0.278	3.38	1.13	0.098	0.098	0.005	568.299	0.025	0.014
Aerial Lifts	2016	2016Aerial Lifts15	15	0.2280	3.67571	3.19737	0.1050	0.0960	0.0050	562.9964	0.1700	0.014
Aerial Lifts	2016	2016Aerial Lifts25	25	0.2280	3.67571	3.19737	0.1050	0.0960	0.0050	562.9964	0.1700	0.014
Aerial Lifts	2016	2016Aerial Lifts50	50	0.2280	3.67571	3.19737	0.1050	0.0960	0.0050	562.9964	0.1700	0.014
Aerial Lifts	2016	2016Aerial Lifts120	120	0.1660	2.72218	3.20103	0.1120	0.103	0.0050	506.2113	0.1530	0.013
Aerial Lifts	2016	2016Aerial Lifts500	500	0.2430	4.63924	0.99238	0.1030	0.0950	0.0050	506.1474	0.1530	0.013
Aerial Lifts	2016	2016Aerial Lifts750	750	0.257	3.015	1.089	0.088	0.088	0.005	568.299	0.023	0.014
Aerial Lifts	2017	2017Aerial Lifts15	15	0.2090	3.46956	3.16913	0.0790	0.0730	0.0050	554.2451	0.1700	0.014
Aerial Lifts	2017	2017Aerial Lifts25	25	0.2090	3.46956	3.16913	0.0790	0.0730	0.0050	554.2451	0.1700	0.014
Aerial Lifts	2017	2017Aerial Lifts50	50	0.2090	3.46956	3.16913	0.0790	0.0730	0.0050	554.2451	0.1700	0.014
Aerial Lifts	2017	2017Aerial Lifts120	120	0.1430	2.36368	3.18429	0.0830	0.0770	0.0050	498.3428	0.1530	0.013
Aerial Lifts	2017	2017Aerial Lifts500	500	0.2460	4.6577	0.99722	0.1050	0.0960	0.0050	498.2798	0.1530	0.013
Aerial Lifts	2017	2017Aerial Lifts750	750	0.239	2.68	1.059	0.079	0.079	0.005	568.299	0.021	0.014
Aerial Lifts	2018	2018Aerial Lifts15	15	0.1820	3.2101	3.11639	0.0540	0.0500	0.0050	545.4939	0.1700	0.014
Aerial Lifts	2018	2018Aerial Lifts25	25	0.1820	3.2101	3.11639	0.0540	0.0500	0.0050	545.4939	0.1700	0.014
Aerial Lifts	2018	2018Aerial Lifts50	50	0.1820	3.2101	3.11639	0.0540	0.0500	0.0050	545.4939	0.1700	0.014
Aerial Lifts	2018	2018Aerial Lifts120	120	0.1220	2.0636	3.16685	0.0570	0.0520	0.0050	490.4742	0.1530	0.012
Aerial Lifts	2018	2018Aerial Lifts500	500	0.0620	0.63368	0.93655	0.0090	0.0080	0.0050	490.4122	0.1530	0.012
Aerial Lifts	2018	2018Aerial Lifts750	750	0.225	2.385	1.037	0.071	0.071	0.005	568.299	0.02	0.014
Aerial Lifts	2019	2019Aerial Lifts15	15	0.1720	3.07945	3.11451	0.0420	0.0380	0.0050	536.7427	0.1700	0.014
Aerial Lifts	2019	2019Aerial Lifts25	25	0.1720	3.07945	3.11451	0.0420	0.0380	0.0050	536.7427	0.1700	0.014
Aerial Lifts	2019	2019Aerial Lifts50	50	0.1720	3.07945	3.11451	0.0420	0.0380	0.0050	536.7427	0.1700	0.014
Aerial Lifts	2019	2019Aerial Lifts120	120	0.1180	1.97658	3.17254	0.0490	0.0450	0.0050	482.6056	0.1530	0.012
Aerial Lifts	2019	2019Aerial Lifts500	500	0.0660	0.63586	0.94139	0.0090	0.0080	0.0050	482.5446	0.1530	0.012
Aerial Lifts	2019	2019Aerial Lifts750	750	0.212	2.117	1.023	0.064	0.064	0.005	568.299	0.019	0.014
Aerial Lifts	2020	2020Aerial Lifts15	15	0.1680	2.95486	3.09942	0.0310	0.0280	0.0050	525.0743	0.1700	0.013
Aerial Lifts	2020	2020Aerial Lifts25	25	0.1680	2.95486	3.09942	0.0310	0.0280	0.0050	525.0743	0.1700	0.013
Aerial Lifts	2020	2020Aerial Lifts50	50	0.1680	2.95486	3.09942	0.0310	0.0280	0.0050	525.0743	0.1700	0.013
Aerial Lifts	2020	2020Aerial Lifts120	120	0.1150	1.86859	3.1768	0.0420	0.0380	0.0050	472.1142	0.1530	0.012
Aerial Lifts	2020	2020Aerial Lifts500	500	0.0690	0.63803	0.94623	0.009	0.0080	0.0050	472.0545	0.1530	0.012
Aerial Lifts	2020	2020Aerial Lifts750	750	0.2	1.868	1.013	0.057	0.057	0.005	568.299	0.018	0.014
Aerial Lifts	2021	2021Aerial Lifts15	15	0.1650	2.92238	3.11369	0.0270	0.0240	0.0050	525.0743	0.1700	0.013
Aerial Lifts	2021	2021Aerial Lifts25	25	0.1650	2.92238	3.11369	0.0270	0.0240	0.0050	525.0743	0.1700	0.013
Aerial Lifts	2021	2021Aerial Lifts50	50	0.1650	2.92238	3.11369	0.0270	0.0240	0.0050	525.0743	0.1700	0.013
Aerial Lifts	2021	2021Aerial Lifts120	120	0.1090	1.74368	3.17624	0.0330	0.0310	0.0050	472.1142	0.1530	0.012
Aerial Lifts	2021	2021Aerial Lifts500	500	0.072	0.64021	0.95107	0.0090	0.0080	0.0050	472.0545	0.1530	0.012
Aerial Lifts	2021	2021Aerial Lifts750	750	0.187	1.61	1.004	0.05	0.05	0.005	568.299	0.016	0.014
Aerial Lifts	2022	2022Aerial Lifts15	15	0.1620	2.90676	3.11231	0.0240	0.0220	0.0050	525.0743	0.1700	0.013
Aerial Lifts	2022	2022Aerial Lifts25	25	0.1620	2.90676	3.11231	0.0240	0.0220	0.0050	525.0743	0.1700	0.013
Aerial Lifts	2022	2022Aerial Lifts50	50	0.1620	2.90676	3.11231	0.0240	0.0220	0.0050	525.0743	0.1700	0.013
Aerial Lifts	2022	2022Aerial Lifts120	120	0.1050	1.62659	3.17602	0.0300	0.0280	0.0050	472.1142	0.1530	0.012
Aerial Lifts	2022	2022Aerial Lifts500	500	0.0750	0.64238	0.95591	0.0090	0.0080	0.0050	472.0545	0.1530	0.012
Aerial Lifts	2022	2022Aerial Lifts750	750	0.177	1.424	0.998	0.044	0.044	0.005	568.299	0.016	0.014
Aerial Lifts	2023	2023Aerial Lifts15	15	0.1630	2.89722	3.12196	0.0230	0.0210	0.0050	525.0743	0.1700	0.013
Aerial Lifts	2023	2023Aerial Lifts25	25	0.1630	2.89722	3.12196	0.0230	0.0210	0.0050	525.0743	0.1700	0.013
Aerial Lifts	2023	2023Aerial Lifts50	50	0.1630	2.89722	3.12196	0.0230	0.0210	0.0050	525.0743	0.1700	0.013
Aerial Lifts	2023	2023Aerial Lifts120	120	0.1000	1.5481	3.17029	0.0270	0.0250	0.0050	472.1142	0.1530	0.012
Aerial Lifts	2023	2023Aerial Lifts500	500	0.0790	0.64456	0.96074	0.0090	0.0080	0.0050	472.0545	0.1530	0.012
Aerial Lifts	2023	2023Aerial Lifts750	750	0.169	1.265	0.995	0.038	0.038	0.005	568.299	0.015	0.014
Aerial Lifts	2024	2024Aerial Lifts15	15	0.1590	2.88821	3.11285	0.0220	0.0200	0.0050	525.0743	0.1700	0.013
Aerial Lifts	2024	2024Aerial Lifts25	25	0.1590	2.88821	3.11285	0.0220	0.0200	0.0050	525.0743	0.1700	0.013
Aerial Lifts	2024	2024Aerial Lifts50	50	0.1590	2.88821	3.11285	0.0220	0.0200	0.0050	525.0743	0.1700	0.013
Aerial Lifts	2024	2024Aerial Lifts120	120	0.1000	1.52789	3.17255	0.0260	0.0240	0.0050	472.1142	0.1530	0.012
Aerial Lifts	2024	2024Aerial Lifts500	500	0.0820	0.64674	0.96558	0.0090	0.0090	0.0050	472.0545	0.1530	0.012
Aerial Lifts	2024	2024Aerial Lifts750	750	0.161	1.115	0.991	0.033	0.033	0.005	568.299	0.014	0.014
Aerial Lifts	2025	2025Aerial Lifts15	15	0.1540	2.87882	3.08837	0.0210	0.019	0.0050	525.0743	0.1700	0.013
Aerial Lifts	2025	2025Aerial Lifts25	25	0.1540	2.87882	3.08837	0.0210	0.019	0.0050	525.0743	0.1700	0.013
Aerial Lifts	2025	2025Aerial Lifts50	50	0.1540	2.87882	3.08837	0.0210	0.019	0.0050	525.0743	0.1700	0.013
Aerial Lifts	2025	2025Aerial Lifts120	120	0.0990	1.51077	3.16742	0.0260	0.0240	0.0050	472.1142	0.1530	0.012
Aerial Lifts	2025	2025Aerial Lifts500	500	0.085	0.64891	0.97042	0.0090	0.0090	0.0050	472.0545	0.1530	0.012
Aerial Lifts	2025	2025Aerial Lifts750	750	0.153	0.974	0.989	0.028	0.028	0.005	568.299	0.013	0.014
Aerial Lifts	2030	2030Aerial Lifts15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Aerial Lifts	2030	2030Aerial Lifts25	25	0.685	4.332	2.339	0.162	0.162	0.007	568.299	0.061	0.014
Aerial Lifts	2030	2030Aerial Lifts50	50	0.339	3.135	3.764	0.04	0.04	0.007	568.3	0.03	0.014
Aerial Lifts	2030	2030Aerial Lifts120	120	0.188	1.657	3.352	0.036	0.036	0.006	568.299	0.017	0.014
Aerial Lifts	2030	2030Aerial Lifts500	500	0.126	0.479	0.986	0.016	0.016	0.005	568.299	0.011	0.014
Aerial Lifts	2030	2030Aerial Lifts750	750	0.126	0.485	0.986	0.016	0.016	0.005	568.299	0.011	0.014
Aerial Lifts	2035	2035Aerial Lifts15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Aerial Lifts	2035	2035Aerial Lifts25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Aerial Lifts	2035	2035Aerial Lifts50	50	0.297	3.017	3.726	0.019	0.019	0.007	568.299	0.026	0.014
Aerial Lifts	2035	2035Aerial Lifts120	120	0.166	1.466	3.345	0.017	0.017	0.006	568.299	0.014	0.014
Aerial Lifts	2035	2035Aerial Lifts500	500	0.116	0.33	0.986	0.011	0.011	0.005	568.299	0.01	0.014
Aerial Lifts	2035	2035Aerial Lifts750	750	0.116	0.33	0.986	0.011	0.011	0.005	568.299	0.01	0.014
Aerial Lifts	2040	2040Aerial Lifts15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Aerial Lifts	2040	2040Aerial Lifts25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Aerial Lifts	2040	2040Aerial Lifts50	50	0.295	2.966	3.723	0.013	0.013	0.007	568.299	0.026	0.014
Aerial Lifts	2040	2040Aerial Lifts120	120	0.161	1.407	3.344	0.012	0.012	0.006	568.299	0.014	0.014
Aerial Lifts	2040	2040Aerial Lifts500	500	0.112	0.279	0.986	0.009	0.009	0.005	568.299	0.01	0.014
Aerial Lifts	2040	2040Aerial Lifts750	750	0.112	0.279	0.986	0.009	0.009	0.005	568.299	0.01	0.014
Air Compressors	1990	1990Air Compressors15	15	1.804	9.999	4.999	0.974	0.974	1.018	568.299	0.162	0.014
Air Compressors	1990	1990Air Compressors25	25	2.213	6.919	4.999	0.74	0.74	0.83	568.299	0.199	0.014
Air Compressors	1990	1990Air Compressors50	50	4.232	7.735	8.684	1.152	1.152	0.846	568.3	0.381	0.014
Air Compressors	1990	1990Air Compressors120	120	2.2	14.348	5.46	1.216	1.216	0.768	568.299	0.198	0.014
Air Compressors	1990	1990Air Compressors175	175	1.504	12.906	4.835	0.806	0.806	0.736	568.299	0.135	0.014
Air Compressors	1990	1990Air Compressors250	250	1.504	12.906	4.835	0.806	0.806	0.736	568.299	0.135	0.014
Air Compressors	1990	1990Air Compressors500	500	1.348	12.363	9.633	0.704	0.704	0.642	568.299	0.121	0.014

2.54652E-05 =ratio to multiply by CO2 EF to estimate N2O ef

Equip	**HP**
Aerial Lifts	15
Aerial Lifts	25
Aerial Lifts	50
Aerial Lifts	120
Aerial Lifts	500
Aerial Lifts	750
Air Compressors	15
Air Compressors	25
Air Compressors	50
Air Compressors	120
Air Compressors	175
Air Compressors	250
Air Compressors	500
Air Compressors	750
Air Compressors	1000
Bore/Drill Rigs	15
Bore/Drill Rigs	25
Bore/Drill Rigs	50
Bore/Drill Rigs	120
Bore/Drill Rigs	175
Bore/Drill Rigs	250
Bore/Drill Rigs	500
Bore/Drill Rigs	750
Bore/Drill Rigs	1000
Cement and Mortar Mixers	15
Cement and Mortar Mixers	25
Concrete/Industrial Saws	25
Concrete/Industrial Saws	50
Concrete/Industrial Saws	120
Concrete/Industrial Saws	175
Cranes	50
Cranes	120
Cranes	175
Cranes	250
Cranes	500
Cranes	750
Cranes	9999
Crawler Tractors	50
Crawler Tractors	120
Crawler Tractors	175
Crawler Tractors	250
Crawler Tractors	500
Crawler Tractors	750
Crawler Tractors	1000
Crushing/Proc. Equipment	50
Crushing/Proc. Equipment	120
Crushing/Proc. Equipment	175
Crushing/Proc. Equipment	250
Crushing/Proc. Equipment	500
Crushing/Proc. Equipment	750
Crushing/Proc. Equipment	9999
Dumpers/Tenders	25
Excavators	25
Excavators	50
Excavators	120
Excavators	175
Excavators	250
Excavators	500
Excavators	750
Forklifts	50
Forklifts	120
Forklifts	175
Forklifts	250
Forklifts	500
Generator Sets	15
Generator Sets	25
Generator Sets	50
Generator Sets	120
Generator Sets	175
Generator Sets	250
Generator Sets	500
Generator Sets	750
Generator Sets	9999
Graders	50
Graders	120
Graders	175
Graders	250
Graders	500
Graders	750
Off-Highway Tractors	120
Off-Highway Tractors	175
Off-Highway Tractors	250
Off-Highway Tractors	750
Off-Highway Tractors	1000
Off-Highway Trucks	175
Off-Highway Trucks	250
Off-Highway Trucks	500
Off-Highway Trucks	750
Off-Highway Trucks	1000
Other Construction Equipment	15
Other Construction Equipment	25
Other Construction Equipment	50
Other Construction Equipment	120
Other Construction Equipment	175
Other Construction Equipment	500
Other General Industrial Equipment	15
Other General Industrial Equipment	25
Other General Industrial Equipment	50
Other General Industrial Equipment	120
Other General Industrial Equipment	175
Other General Industrial Equipment	250
Other General Industrial Equipment	500
Other General Industrial Equipment	750
Other General Industrial Equipment	1000
Other Material Handling Equipment	50
Other Material Handling Equipment	120
Other Material Handling Equipment	175
Other Material Handling Equipment	250
Other Material Handling Equipment	500
Other Material Handling Equipment	9999
Pavers	25
Pavers	50
Pavers	120
Pavers	175
Pavers	250
Pavers	500
Paving Equipment	25
Paving Equipment	50
Paving Equipment	120
Paving Equipment	175
Paving Equipment	250
Plate Compactors	15
Pressure Washers	15
Pressure Washers	25
Pressure Washers	50
Pressure Washers	120
Pressure Washers	175
Pressure Washers	250
Pumps	15
Pumps	25
Pumps	50
Pumps	120
Pumps	175
Pumps	250
Pumps	500
Pumps	750
Pumps	9999
Rollers	15
Rollers	25

Air Compressors	1990	1990Air Compressors750	750	1.348	12.363	9.633	0.704	0.704	0.658	568.299	0.121	0.014
Air Compressors	1990	1990Air Compressors1000	1000	1.344	12.363	9.633	0.699	0.699	0.658	568.3	0.121	0.014
Air Compressors	2000	2000Air Compressors15	15	1.723	9.08	4.875	0.747	0.747	0.079	568.299	0.155	0.014
Air Compressors	2000	2000Air Compressors25	25	2.095	6.405	4.783	0.569	0.569	0.065	568.299	0.189	0.014
Air Compressors	2000	2000Air Compressors50	50	3.963	6.902	8.261	0.851	0.851	0.066	568.299	0.357	0.014
Air Compressors	2000	2000Air Compressors120	120	1.771	10.276	4.544	0.835	0.835	0.06	568.3	0.159	0.014
Air Compressors	2000	2000Air Compressors175	175	1.185	9.332	3.7	0.494	0.494	0.057	568.299	0.106	0.014
Air Compressors	2000	2000Air Compressors250	250	0.994	8.985	2.949	0.406	0.406	0.057	568.299	0.089	0.014
Air Compressors	2000	2000Air Compressors500	500	0.908	8.611	5.008	0.36	0.36	0.05	568.299	0.082	0.014
Air Compressors	2000	2000Air Compressors750	750	0.908	8.611	5.008	0.36	0.36	0.051	568.299	0.082	0.014
Air Compressors	2000	2000Air Compressors1000	1000	1.004	9.212	5.6	0.379	0.379	0.051	568.299	0.09	0.014
Air Compressors	2005	2005Air Compressors15	15	1.394	7.817	4.38	0.621	0.621	0.079	568.299	0.125	0.014
Air Compressors	2005	2005Air Compressors25	25	1.622	6.014	3.922	0.483	0.483	0.065	568.299	0.146	0.014
Air Compressors	2005	2005Air Compressors50	50	3.545	6.447	7.671	0.792	0.792	0.066	568.299	0.319	0.014
Air Compressors	2005	2005Air Compressors120	120	1.518	8.646	4.196	0.775	0.775	0.06	568.299	0.137	0.014
Air Compressors	2005	2005Air Compressors175	175	0.994	7.911	3.339	0.428	0.428	0.057	568.299	0.089	0.014
Air Compressors	2005	2005Air Compressors250	250	0.711	7.465	1.989	0.281	0.281	0.057	568.299	0.064	0.014
Air Compressors	2005	2005Air Compressors500	500	0.63	6.868	2.602	0.252	0.252	0.05	568.299	0.056	0.014
Air Compressors	2005	2005Air Compressors750	750	0.644	7.019	2.602	0.255	0.255	0.051	568.299	0.058	0.014
Air Compressors	2005	2005Air Compressors1000	1000	0.773	8.036	3.154	0.271	0.271	0.051	568.299	0.069	0.014
Air Compressors	2010	2010Air Compressors15	15	1.124	6.554	4.027	0.473	0.473	0.008	568.299	0.101	0.014
Air Compressors	2010	2010Air Compressors25	25	1.267	5.477	3.309	0.384	0.384	0.007	568.299	0.114	0.014
Air Compressors	2010	2010Air Compressors50	50	2.929	6.067	7.121	0.669	0.669	0.007	568.299	0.264	0.014
Air Compressors	2010	2010Air Compressors120	120	1.213	7.183	4.044	0.653	0.653	0.006	568.299	0.109	0.014
Air Compressors	2010	2010Air Compressors175	175	0.808	6.422	3.277	0.361	0.361	0.006	568.299	0.072	0.014
Air Compressors	2010	2010Air Compressors250	250	0.525	6.008	1.468	0.198	0.198	0.006	568.299	0.047	0.014
Air Compressors	2010	2010Air Compressors500	500	0.471	5.363	1.648	0.182	0.182	0.005	568.299	0.042	0.014
Air Compressors	2010	2010Air Compressors750	750	0.479	5.507	1.648	0.185	0.185	0.005	568.299	0.043	0.014
Air Compressors	2010	2010Air Compressors1000	1000	0.601	6.994	2.147	0.209	0.209	0.005	568.299	0.054	0.014
Air Compressors	2011	2011Air Compressors15	15	1.067	6.283	3.952	0.441	0.441	0.008	568.299	0.096	0.014
Air Compressors	2011	2011Air Compressors25	25	1.192	5.36	3.179	0.361	0.361	0.007	568.299	0.107	0.014
Air Compressors	2011	2011Air Compressors50	50	2.741	5.972	6.919	0.636	0.636	0.007	568.299	0.247	0.014
Air Compressors	2011	2011Air Compressors120	120	1.14	6.805	4.005	0.626	0.626	0.006	568.299	0.102	0.014
Air Compressors	2011	2011Air Compressors175	175	0.765	6.065	3.264	0.347	0.347	0.006	568.299	0.069	0.014
Air Compressors	2011	2011Air Compressors250	250	0.485	5.603	1.372	0.177	0.177	0.006	568.299	0.043	0.014
Air Compressors	2011	2011Air Compressors500	500	0.438	4.981	1.497	0.165	0.165	0.005	568.299	0.039	0.014
Air Compressors	2011	2011Air Compressors750	750	0.445	5.123	1.497	0.167	0.167	0.005	568.299	0.04	0.014
Air Compressors	2011	2011Air Compressors1000	1000	0.562	6.637	1.971	0.196	0.196	0.005	568.299	0.05	0.014
Air Compressors	2012	2012Air Compressors15	15	1.007	5.999	3.874	0.407	0.407	0.008	568.299	0.09	0.014
Air Compressors	2012	2012Air Compressors25	25	1.113	5.239	3.043	0.337	0.337	0.007	568.299	0.1	0.014
Air Compressors	2012	2012Air Compressors50	50	2.527	5.869	6.682	0.6	0.6	0.007	568.299	0.228	0.014
Air Compressors	2012	2012Air Compressors120	120	1.061	6.39	3.964	0.587	0.587	0.006	568.299	0.095	0.014
Air Compressors	2012	2012Air Compressors175	175	0.717	5.684	3.251	0.324	0.324	0.006	568.299	0.064	0.014
Air Compressors	2012	2012Air Compressors250	250	0.455	5.216	1.312	0.161	0.161	0.006	568.299	0.041	0.014
Air Compressors	2012	2012Air Compressors500	500	0.413	4.618	1.392	0.15	0.15	0.005	568.299	0.037	0.014
Air Compressors	2012	2012Air Compressors750	750	0.419	4.758	1.392	0.153	0.153	0.005	568.299	0.037	0.014
Air Compressors	2012	2012Air Compressors1000	1000	0.522	6.263	1.8	0.183	0.183	0.005	568.299	0.047	0.014
Air Compressors	2013	2013Air Compressors15	15	0.948	5.716	3.796	0.373	0.373	0.008	568.299	0.085	0.014
Air Compressors	2013	2013Air Compressors25	25	1.034	5.117	2.907	0.314	0.314	0.007	568.299	0.093	0.014
Air Compressors	2013	2013Air Compressors50	50	2.302	5.643	6.43	0.553	0.553	0.007	568.299	0.207	0.014
Air Compressors	2013	2013Air Compressors120	120	0.981	5.978	3.921	0.543	0.543	0.006	568.299	0.088	0.014
Air Compressors	2013	2013Air Compressors175	175	0.669	5.321	3.238	0.298	0.298	0.006	568.299	0.06	0.014
Air Compressors	2013	2013Air Compressors250	250	0.43	4.839	1.271	0.147	0.147	0.006	568.299	0.038	0.014
Air Compressors	2013	2013Air Compressors500	500	0.393	4.268	1.313	0.137	0.137	0.005	568.3	0.035	0.014
Air Compressors	2013	2013Air Compressors750	750	0.399	4.406	1.313	0.14	0.14	0.005	568.299	0.036	0.014
Air Compressors	2013	2013Air Compressors1000	1000	0.482	5.883	1.639	0.17	0.17	0.005	568.299	0.043	0.014
Air Compressors	2014	2014Air Compressors15	15	0.891	5.445	3.723	0.341	0.341	0.008	568.3	0.08	0.014
Air Compressors	2014	2014Air Compressors25	25	0.96	5	2.78	0.291	0.291	0.007	568.299	0.086	0.014
Air Compressors	2014	2014Air Compressors50	50	2.076	5.421	6.181	0.505	0.505	0.007	568.299	0.187	0.014
Air Compressors	2014	2014Air Compressors120	120	0.901	5.608	3.88	0.495	0.495	0.006	568.299	0.081	0.014
Air Compressors	2014	2014Air Compressors175	175	0.621	4.973	3.227	0.272	0.272	0.006	568.299	0.056	0.014
Air Compressors	2014	2014Air Compressors250	250	0.405	4.399	1.237	0.134	0.134	0.006	568.299	0.036	0.014
Air Compressors	2014	2014Air Compressors500	500	0.373	3.855	1.249	0.125	0.125	0.005	568.299	0.033	0.014
Air Compressors	2014	2014Air Compressors750	750	0.378	3.991	1.249	0.128	0.128	0.005	568.299	0.034	0.014
Air Compressors	2014	2014Air Compressors1000	1000	0.445	5.512	1.493	0.157	0.157	0.005	568.3	0.04	0.014
Air Compressors	2015	2015Air Compressors15	15	0.84	5.196	3.658	0.311	0.311	0.008	568.299	0.075	0.014
Air Compressors	2015	2015Air Compressors25	25	0.894	4.89	2.666	0.27	0.27	0.007	568.299	0.08	0.014
Air Compressors	2015	2015Air Compressors50	50	1.868	5.223	5.968	0.459	0.459	0.007	568.299	0.168	0.014
Air Compressors	2015	2015Air Compressors120	120	0.821	5.19	3.84	0.446	0.446	0.006	568.299	0.074	0.014
Air Compressors	2015	2015Air Compressors175	175	0.571	4.504	3.218	0.245	0.245	0.006	568.299	0.051	0.014
Air Compressors	2015	2015Air Compressors250	250	0.381	3.967	1.207	0.121	0.121	0.006	568.299	0.034	0.014
Air Compressors	2015	2015Air Compressors500	500	0.354	3.455	1.198	0.113	0.113	0.005	568.3	0.032	0.014
Air Compressors	2015	2015Air Compressors750	750	0.358	3.586	1.198	0.116	0.116	0.005	568.299	0.032	0.014
Air Compressors	2015	2015Air Compressors1000	1000	0.409	5.157	1.37	0.142	0.142	0.005	568.299	0.036	0.014
Air Compressors	2016	2016Air Compressors15	15	0.809	5.023	3.622	0.289	0.289	0.008	568.299	0.073	0.014
Air Compressors	2016	2016Air Compressors25	25	0.855	4.803	2.604	0.255	0.255	0.007	568.299	0.077	0.014
Air Compressors	2016	2016Air Compressors50	50	1.67	5.042	5.779	0.415	0.415	0.007	568.299	0.15	0.014
Air Compressors	2016	2016Air Compressors120	120	0.744	4.79	3.804	0.397	0.397	0.006	568.299	0.067	0.014
Air Compressors	2016	2016Air Compressors175	175	0.522	4.052	3.211	0.219	0.219	0.006	568.299	0.047	0.014
Air Compressors	2016	2016Air Compressors250	250	0.359	3.553	1.182	0.109	0.109	0.006	568.299	0.032	0.014
Air Compressors	2016	2016Air Compressors500	500	0.337	3.08	1.155	0.102	0.102	0.005	568.299	0.03	0.014
Air Compressors	2016	2016Air Compressors750	750	0.34	3.201	1.155	0.104	0.104	0.005	568.299	0.03	0.014
Air Compressors	2016	2016Air Compressors1000	1000	0.383	4.854	1.295	0.131	0.131	0.005	568.299	0.034	0.014
Air Compressors	2017	2017Air Compressors15	15	0.786	4.887	3.599	0.272	0.272	0.008	568.299	0.07	0.014
Air Compressors	2017	2017Air Compressors25	25	0.83	4.729	2.564	0.243	0.243	0.007	568.299	0.074	0.014
Air Compressors	2017	2017Air Compressors50	50	1.481	4.871	5.604	0.371	0.371	0.007	568.299	0.133	0.014
Air Compressors	2017	2017Air Compressors120	120	0.671	4.412	3.772	0.35	0.35	0.006	568.299	0.06	0.014
Air Compressors	2017	2017Air Compressors175	175	0.477	3.627	3.207	0.194	0.194	0.006	568.299	0.043	0.014
Air Compressors	2017	2017Air Compressors250	250	0.339	3.163	1.162	0.098	0.098	0.006	568.299	0.03	0.014
Air Compressors	2017	2017Air Compressors500	500	0.321	2.755	1.123	0.092	0.092	0.005	568.299	0.029	0.014
Air Compressors	2017	2017Air Compressors750	750	0.323	2.845	1.123	0.094	0.094	0.005	568.299	0.029	0.014
Air Compressors	2017	2017Air Compressors1000	1000	0.362	4.583	1.246	0.121	0.121	0.005	568.299	0.032	0.014
Air Compressors	2018	2018Air Compressors15	15	0.766	4.762	3.58	0.256	0.256	0.008	568.299	0.069	0.014
Air Compressors	2018	2018Air Compressors25	25	0.807	4.661	2.531	0.232	0.232	0.007	568.3	0.072	0.014
Air Compressors	2018	2018Air Compressors50	50	1.3	4.707	5.439	0.329	0.329	0.007	568.299	0.117	0.014
Air Compressors	2018	2018Air Compressors120	120	0.603	4.05	3.744	0.304	0.304	0.006	568.3	0.054	0.014
Air Compressors	2018	2018Air Compressors175	175	0.435	3.228	3.205	0.17	0.17	0.006	568.299	0.039	0.014
Air Compressors	2018	2018Air Compressors250	250	0.321	2.797	1.146	0.087	0.087	0.006	568.3	0.029	0.014
Air Compressors	2018	2018Air Compressors500	500	0.307	2.465	1.101	0.083	0.083	0.005	568.299	0.027	0.014
Air Compressors	2018	2018Air Compressors750	750	0.309	2.533	1.101	0.084	0.084	0.005	568.299	0.027	0.014
Air Compressors	2018	2018Air Compressors1000	1000	0.343	4.325	1.21	0.111	0.111	0.005	568.299	0.03	0.014
Air Compressors	2019	2019Air Compressors15	15	0.748	4.647	3.562	0.241	0.241	0.008	568.299	0.067	0.014
Air Compressors	2019	2019Air Compressors25	25	0.787	4.596	2.501	0.222	0.222	0.007	568.299	0.071	0.014
Air Compressors	2019	2019Air Compressors50	50	1.129	4.546	5.283	0.287	0.287	0.007	568.299	0.101	0.014
Air Compressors	2019	2019Air Compressors120	120	0.538	3.706	3.718	0.26	0.26	0.006	568.299	0.048	0.014
Air Compressors	2019	2019Air Compressors175	175	0.401	2.874	3.204	0.15	0.15	0.006	568.299	0.036	0.014
Air Compressors	2019	2019Air Compressors250	250	0.304	2.469	1.132	0.078	0.078	0.006	568.299	0.027	0.014
Air Compressors	2019	2019Air Compressors500	500	0.293	2.193	1.086	0.075	0.075	0.005	568.299	0.026	0.014
Air Compressors	2019	2019Air Compressors750	750	0.294	2.247	1.086	0.076	0.076	0.005	568.299	0.026	0.014
Air Compressors	2019	2019Air Compressors1000	1000	0.324	4.073	1.182	0.102	0.102	0.005	568.299	0.029	0.014
Air Compressors	2020	2020Air Compressors15	15	0.731	4.542	3.546	0.227	0.227	0.008	568.299	0.066	0.014
Air Compressors	2020	2020Air Compressors25	25	0.769	4.538	2.473	0.212	0.212	0.007	568.3	0.069	0.014
Air Compressors	2020	2020Air Compressors50	50	1.001	4.397	5.164	0.25	0.25	0.007	568.299	0.09	0.014
Air Compressors	2020	2020Air Compressors120	120	0.489	3.4	3.698	0.224	0.224	0.006	568.299	0.044	0.014
Air Compressors	2020	2020Air Compressors175	175	0.374	2.558	3.203	0.133	0.133	0.006	568.299	0.033	0.014
Air Compressors	2020	2020Air Compressors250	250	0.288	2.172	1.121	0.069	0.069	0.006	568.299	0.026	0.014
Air Compressors	2020	2020Air Compressors500	500	0.279	1.935	1.076	0.067	0.067	0.005	568.299	0.025	0.014
Air Compressors	2020	2020Air Compressors750	750	0.28	1.982	1.076	0.067	0.067	0.005	568.299	0.025	0.014
Air Compressors	2020	2020Air Compressors1000	1000	0.306	3.828	1.158	0.093	0.093	0.005	568.3	0.027	0.014
Air Compressors	2021	2021Air Compressors15	15	0.717	4.462	3.531	0.214	0.214	0.008	568.299	0.064	0.014
Air Compressors	2021	2021Air Compressors25	25	0.752	4.497	2.446	0.201	0.201	0.007	568.299	0.067	0.014
Air Compressors	2021	2021Air Compressors50	50	0.887	4.221	5.021	0.212	0.212	0.007	568.299	0.08	0.014
Air Compressors	2021	2021Air Compressors120	120	0.442	3.083	3.67	0.19	0.19	0.006	568.299	0.039	0.014
Air Compressors	2021	2021Air Compressors175	175	0.343	2.218	3.192	0.115	0.115	0.006	568.299	0.03	0.014
Air Compressors	2021	2021Air Compressors250	250	0.268	1.859	1.108	0.06	0.06	0.006	568.299	0.024	0.014
Air Compressors	2021	2021Air Compressors500	500	0.261	1.663	1.064	0.058	0.058	0.005	568.299	0.023	0.014
Air Compressors	2021	2021Air Compressors750	750	0.262	1.699	1.064	0.058	0.058	0.005	568.299	0.023	0.014
Air Compressors	2021	2021Air Compressors1000	1000	0.284	3.565	1.134	0.082	0.082	0.005	568.3	0.025	0.014
Air Compressors	2022	2022Air Compressors15	15	0.707	4.408	3.519	0.203	0.203	0.008	568.299	0.063	0.014
Air Compressors	2022	2022Air Compressors25	25	0.739	4.47	2.426	0.193	0.193	0.007	568.299	0.066	0.014
Air Compressors	2022	2022Air Compressors50	50	0.814	4.093	4.959	0.183	0.183	0.007	568.299	0.073	0.014
Air Compressors	2022	2022Air Compressors120	120	0.413	2.844	3.662	0.165	0.165	0.006	568.299	0.037	0.014
Air Compressors	2022	2022Air Compressors175	175	0.322	1.959	3.194	0.101	0.101	0.006	568.299	0.029	0.014
Air Compressors	2022	2022Air Compressors250	250	0.255	1.617	1.102	0.052	0.052	0.006	568.3	0.023	0.014
Air Compressors	2022	2022Air Compressors500	500	0.249	1.472	1.059	0.051	0.051	0.005	568.299	0.022	0.014
Air Compressors	2022	2022Air Compressors750	750	0.25	1.502	1.059	0.051	0.051	0.005	568.299	0.022	0.014
Air Compressors	2022	2022Air Compressors1000	1000	0.269	3.378	1.117	0.075	0.075	0.005	568.3	0.024	0.014
Air Compressors	2023	2023Air Compressors15	15	0.698	4.359	3.508	0.194	0.194	0.008	568.299	0.063	0.014
Air Compressors	2023	2023Air Compressors25	25	0.728	4.447	2.407	0.186	0.186	0.007	568.299	0.065	0.014
Air Compressors	2023	2023Air Compressors50	50	0.753	3.975	4.913	0.156	0.156	0.007	568.299	0.067	0.014
Air Compressors	2023	2023Air Compressors120	120	0.387	2.631	3.657	0.143	0.143	0.006	568.299	0.034	0.014
Air Compressors	2023	2023Air Compressors175	175	0.303	1.748	3.197	0.089	0.089	0.006	568.299	0.027	0.014

Rollers	50
Rollers	120
Rollers	175
Rollers	250
Rollers	500
Rough Terrain Forklifts	50
Rough Terrain Forklifts	120
Rough Terrain Forklifts	175
Rough Terrain Forklifts	250
Rough Terrain Forklifts	500
Rubber Tired Dozers	175
Rubber Tired Dozers	250
Rubber Tired Dozers	500
Rubber Tired Dozers	750
Rubber Tired Dozers	1000
Rubber Tired Loaders	25
Rubber Tired Loaders	50
Rubber Tired Loaders	120
Rubber Tired Loaders	175
Rubber Tired Loaders	250
Rubber Tired Loaders	500
Rubber Tired Loaders	750
Rubber Tired Loaders	1000
Scrapers	120
Scrapers	175
Scrapers	250
Scrapers	500
Scrapers	750
Signal Boards	15
Signal Boards	50
Signal Boards	120
Signal Boards	175
Signal Boards	250
Skid Steer Loaders	25
Skid Steer Loaders	50
Skid Steer Loaders	120
Surfacing Equipment	50
Surfacing Equipment	120
Surfacing Equipment	175
Surfacing Equipment	250
Surfacing Equipment	500
Surfacing Equipment	750
Sweepers/Scrubbers	15
Sweepers/Scrubbers	25
Sweepers/Scrubbers	50
Sweepers/Scrubbers	120
Sweepers/Scrubbers	175
Sweepers/Scrubbers	250
Tractors/Loaders/Backhoes	25
Tractors/Loaders/Backhoes	50
Tractors/Loaders/Backhoes	120
Tractors/Loaders/Backhoes	175
Tractors/Loaders/Backhoes	250
Tractors/Loaders/Backhoes	500
Tractors/Loaders/Backhoes	750
Trenchers	15
Trenchers	25
Trenchers	50
Trenchers	120
Trenchers	175
Trenchers	250
Trenchers	500
Trenchers	750
Welders	15
Welders	25
Welders	50
Welders	120
Welders	175
Welders	250
Welders	500

Air Compressors	2023	2023Air Compressors250	250	0.243	1.42	1.099	0.045	0.045	0.006	568.299	0.021	0.014
Air Compressors	2023	2023Air Compressors500	500	0.238	1.305	1.055	0.044	0.044	0.005	568.299	0.021	0.014
Air Compressors	2023	2023Air Compressors750	750	0.239	1.331	1.055	0.044	0.044	0.005	568.299	0.021	0.014
Air Compressors	2023	2023Air Compressors1000	1000	0.256	3.221	1.102	0.068	0.068	0.005	568.299	0.023	0.014
Air Compressors	2024	2024Air Compressors15	15	0.69	4.316	3.499	0.188	0.188	0.008	568.3	0.062	0.014
Air Compressors	2024	2024Air Compressors25	25	0.718	4.426	2.39	0.181	0.181	0.007	568.3	0.064	0.014
Air Compressors	2024	2024Air Compressors50	50	0.702	3.864	4.88	0.135	0.135	0.007	568.299	0.063	0.014
Air Compressors	2024	2024Air Compressors120	120	0.365	2.461	3.655	0.123	0.123	0.006	568.299	0.032	0.014
Air Compressors	2024	2024Air Compressors175	175	0.286	1.561	3.202	0.077	0.077	0.006	568.299	0.025	0.014
Air Compressors	2024	2024Air Compressors250	250	0.232	1.247	1.096	0.039	0.039	0.006	568.299	0.02	0.014
Air Compressors	2024	2024Air Compressors500	500	0.228	1.148	1.053	0.038	0.038	0.005	568.299	0.02	0.014
Air Compressors	2024	2024Air Compressors750	750	0.228	1.171	1.053	0.038	0.038	0.005	568.299	0.02	0.014
Air Compressors	2024	2024Air Compressors1000	1000	0.243	3.082	1.09	0.061	0.061	0.005	568.299	0.021	0.014
Air Compressors	2025	2025Air Compressors15	15	0.683	4.278	3.491	0.183	0.183	0.008	568.3	0.061	0.014
Air Compressors	2025	2025Air Compressors25	25	0.709	4.407	2.376	0.177	0.177	0.007	568.299	0.064	0.014
Air Compressors	2025	2025Air Compressors50	50	0.659	3.755	4.851	0.116	0.116	0.007	568.299	0.059	0.014
Air Compressors	2025	2025Air Compressors120	120	0.345	2.313	3.653	0.104	0.104	0.006	568.299	0.031	0.014
Air Compressors	2025	2025Air Compressors175	175	0.269	1.383	3.205	0.065	0.065	0.006	568.299	0.024	0.014
Air Compressors	2025	2025Air Compressors250	250	0.22	1.086	1.094	0.033	0.033	0.006	568.299	0.019	0.014
Air Compressors	2025	2025Air Compressors500	500	0.217	1.001	1.051	0.032	0.032	0.005	568.299	0.019	0.014
Air Compressors	2025	2025Air Compressors750	750	0.217	1.021	1.051	0.032	0.032	0.005	568.299	0.019	0.014
Air Compressors	2025	2025Air Compressors1000	1000	0.231	2.954	1.079	0.055	0.055	0.005	568.299	0.02	0.014
Air Compressors	2030	2030Air Compressors15	15	0.663	4.164	3.47	0.166	0.166	0.008	568.299	0.059	0.014
Air Compressors	2030	2030Air Compressors25	25	0.687	4.347	2.34	0.165	0.165	0.007	568.299	0.061	0.014
Air Compressors	2030	2030Air Compressors50	50	0.506	3.34	4.712	0.046	0.046	0.007	568.299	0.045	0.014
Air Compressors	2030	2030Air Compressors120	120	0.264	1.729	3.63	0.041	0.041	0.006	568.299	0.023	0.014
Air Compressors	2030	2030Air Compressors175	175	0.193	0.633	3.205	0.027	0.027	0.006	568.299	0.017	0.014
Air Compressors	2030	2030Air Compressors250	250	0.179	0.529	1.092	0.018	0.018	0.006	568.299	0.016	0.014
Air Compressors	2030	2030Air Compressors500	500	0.178	0.499	1.048	0.017	0.017	0.005	568.299	0.016	0.014
Air Compressors	2030	2030Air Compressors750	750	0.178	0.505	1.048	0.017	0.017	0.005	568.3	0.016	0.014
Air Compressors	2030	2030Air Compressors1000	1000	0.182	2.6	1.049	0.033	0.033	0.005	568.299	0.016	0.014
Air Compressors	2035	2035Air Compressors15	15	0.661	4.143	3.469	0.162	0.162	0.008	568.3	0.059	0.014
Air Compressors	2035	2035Air Compressors25	25	0.685	4.332	2.339	0.162	0.162	0.007	568.299	0.061	0.014
Air Compressors	2035	2035Air Compressors50	50	0.463	3.215	4.674	0.023	0.023	0.007	568.299	0.041	0.014
Air Compressors	2035	2035Air Compressors120	120	0.238	1.53	3.623	0.02	0.02	0.006	568.299	0.021	0.014
Air Compressors	2035	2035Air Compressors175	175	0.17	0.391	3.205	0.015	0.015	0.006	568.3	0.015	0.014
Air Compressors	2035	2035Air Compressors250	250	0.166	0.347	1.091	0.012	0.012	0.006	568.299	0.014	0.014
Air Compressors	2035	2035Air Compressors500	500	0.166	0.343	1.048	0.012	0.012	0.005	568.299	0.014	0.014
Air Compressors	2035	2035Air Compressors750	750	0.166	0.344	1.048	0.012	0.012	0.005	568.299	0.014	0.014
Air Compressors	2035	2035Air Compressors1000	1000	0.167	2.473	1.048	0.026	0.026	0.005	568.299	0.015	0.014
Air Compressors	2040	2040Air Compressors15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Air Compressors	2040	2040Air Compressors25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.3	0.061	0.014
Air Compressors	2040	2040Air Compressors50	50	0.458	3.159	4.659	0.016	0.016	0.007	568.3	0.041	0.014
Air Compressors	2040	2040Air Compressors120	120	0.232	1.468	3.619	0.015	0.015	0.006	568.299	0.02	0.014
Air Compressors	2040	2040Air Compressors175	175	0.161	0.307	3.201	0.012	0.012	0.006	568.299	0.014	0.014
Air Compressors	2040	2040Air Compressors250	250	0.16	0.291	1.09	0.01	0.01	0.006	568.299	0.014	0.014
Air Compressors	2040	2040Air Compressors500	500	0.16	0.291	1.047	0.01	0.01	0.005	568.3	0.014	0.014
Air Compressors	2040	2040Air Compressors750	750	0.16	0.291	1.047	0.01	0.01	0.005	568.299	0.014	0.014
Air Compressors	2040	2040Air Compressors1000	1000	0.16	2.439	1.047	0.023	0.023	0.005	568.299	0.014	0.014
Bore/Drill	1990	1990Bore/Drill Rigs15	15	1.804	9.999	4.999	0.975	0.975	1.049	568.299	0.162	0.014
Bore/Drill	1990	1990Bore/Drill Rigs25	25	2.213	6.919	4.999	0.741	0.741	0.855	568.299	0.199	0.014
Bore/Drill	1990	1990Bore/Drill Rigs50	50	4.124	7.685	8.505	1.134	1.134	0.871	568.299	0.372	0.014
Bore/Drill	1990	1990Bore/Drill Rigs120	120	2.09	13.647	5.23	1.172	1.172	0.791	568.299	0.188	0.014
Bore/Drill	1990	1990Bore/Drill Rigs175	175	1.417	12.365	4.578	0.749	0.749	0.758	568.299	0.127	0.014
Bore/Drill	1990	1990Bore/Drill Rigs250	250	1.417	12.365	4.578	0.749	0.749	0.758	568.299	0.127	0.014
Bore/Drill	1990	1990Bore/Drill Rigs500	500	1.278	11.861	8.788	0.658	0.658	0.662	568.299	0.115	0.014
Bore/Drill	1990	1990Bore/Drill Rigs750	750	1.278	11.861	8.788	0.67	0.67	1.018	568.3	0.115	0.014
Bore/Drill	1990	1990Bore/Drill Rigs1000	1000	1.267	11.861	8.788	0.656	0.656	1.018	568.3	0.114	0.014
Bore/Drill	2000	2000Bore/Drill Rigs15	15	1.475	8.242	4.49	0.676	0.676	0.079	568.299	0.133	0.014
Bore/Drill	2000	2000Bore/Drill Rigs25	25	1.958	6.358	4.53	0.563	0.563	0.065	568.299	0.176	0.014
Bore/Drill	2000	2000Bore/Drill Rigs50	50	3.295	6.48	7.058	0.748	0.748	0.066	568.299	0.297	0.014
Bore/Drill	2000	2000Bore/Drill Rigs120	120	1.461	8.27	3.947	0.726	0.726	0.06	568.299	0.131	0.014
Bore/Drill	2000	2000Bore/Drill Rigs175	175	1.002	7.789	3.062	0.405	0.405	0.057	568.3	0.09	0.014
Bore/Drill	2000	2000Bore/Drill Rigs250	250	0.649	7.203	1.698	0.238	0.238	0.057	568.3	0.058	0.014
Bore/Drill	2000	2000Bore/Drill Rigs500	500	0.616	6.993	1.728	0.224	0.224	0.05	568.299	0.055	0.014
Bore/Drill	2000	2000Bore/Drill Rigs750	750	0.616	6.993	1.728	0.224	0.224	0.052	568.299	0.055	0.014
Bore/Drill	2000	2000Bore/Drill Rigs1000	1000	0.808	8.005	2.73	0.282	0.282	0.052	568.299	0.072	0.014
Bore/Drill	2005	2005Bore/Drill Rigs15	15	0.766	5.228	3.469	0.361	0.361	0.079	568.299	0.069	0.014
Bore/Drill	2005	2005Bore/Drill Rigs25	25	0.919	5.412	2.642	0.347	0.347	0.065	568.299	0.082	0.014
Bore/Drill	2005	2005Bore/Drill Rigs50	50	2.431	5.697	5.897	0.625	0.625	0.066	568.299	0.219	0.014
Bore/Drill	2005	2005Bore/Drill Rigs120	120	1.179	6.895	3.812	0.64	0.64	0.06	568.3	0.106	0.014
Bore/Drill	2005	2005Bore/Drill Rigs175	175	0.725	6.246	3.035	0.328	0.328	0.057	568.299	0.065	0.014
Bore/Drill	2005	2005Bore/Drill Rigs250	250	0.395	5.8	1.094	0.145	0.145	0.057	568.299	0.035	0.014
Bore/Drill	2005	2005Bore/Drill Rigs500	500	0.332	5.051	1.068	0.133	0.133	0.05	568.299	0.029	0.014
Bore/Drill	2005	2005Bore/Drill Rigs750	750	0.354	5.347	1.068	0.138	0.138	0.052	568.299	0.032	0.014
Bore/Drill	2005	2005Bore/Drill Rigs1000	1000	0.535	6.8	1.427	0.183	0.183	0.052	568.299	0.048	0.014
Bore/Drill	2010	2010Bore/Drill Rigs15	15	0.8840	5.42137	4.58435	0.4060	0.3740	0.0060	604.3903	0.1760	0.015
Bore/Drill	2010	2010Bore/Drill Rigs25	25	0.8840	5.42137	4.58435	0.4060	0.3740	0.0060	604.3903	0.1760	0.015
Bore/Drill	2010	2010Bore/Drill Rigs50	50	0.8840	5.42137	4.58435	0.4060	0.3740	0.0060	604.3903	0.1760	0.015
Bore/Drill	2010	2010Bore/Drill Rigs120	120	0.379	4.84273	3.31487	0.3130	0.2880	0.0050	505.1218	0.147	0.013
Bore/Drill	2010	2010Bore/Drill Rigs175	175	0.3540	4.77962	3.03422	0.2310	0.2130	0.005	533.3654	0.1550	0.014
Bore/Drill	2010	2010Bore/Drill Rigs250	250	0.2530	4.60173	1.2308	0.1390	0.1280	0.0050	525.165	0.1530	0.013
Bore/Drill	2010	2010Bore/Drill Rigs500	500	0.2280	3.90774	1.39755	0.1310	0.1200	0.0050	517.3193	0.1510	0.013
Bore/Drill	2010	2010Bore/Drill Rigs750	750	0.1670	3.03556	1.08296	0.1080	0.099	0.005	533.5969	0.1550	0.014
Bore/Drill	2010	2010Bore/Drill Rigs1000	1000	0.1590	4.32965	0.96001	0.0990	0.0910	0.0050	524.3394	0.1530	0.013
Bore/Drill	2011	2011Bore/Drill Rigs15	15	0.8560	5.41672	4.60411	0.4000	0.3680	0.0060	602.9382	0.1760	0.015
Bore/Drill	2011	2011Bore/Drill Rigs25	25	0.8560	5.41672	4.60411	0.4000	0.3680	0.0060	602.9382	0.1760	0.015
Bore/Drill	2011	2011Bore/Drill Rigs50	50	0.8560	5.41672	4.60411	0.4000	0.3680	0.0060	602.9382	0.1760	0.015
Bore/Drill	2011	2011Bore/Drill Rigs120	120	0.3660	4.72727	3.32121	0.3030	0.2790	0.0050	504.2171	0.1470	0.013
Bore/Drill	2011	2011Bore/Drill Rigs175	175	0.3400	4.59259	3.03462	0.2190	0.2020	0.005	531.8097	0.1550	0.014
Bore/Drill	2011	2011Bore/Drill Rigs250	250	0.2440	4.34748	1.21102	0.1320	0.1220	0.0050	522.3643	0.1520	0.013
Bore/Drill	2011	2011Bore/Drill Rigs500	500	0.2220	3.72448	1.36917	0.1250	0.1150	0.0050	512.0559	0.1490	0.013
Bore/Drill	2011	2011Bore/Drill Rigs750	750	0.1640	2.89424	1.06361	0.098	0.0900	0.005	532.4717	0.1550	0.014
Bore/Drill	2011	2011Bore/Drill Rigs1000	1000	0.1690	4.35634	0.96855	0.1010	0.0930	0.0050	523.0129	0.1530	0.013
Bore/Drill	2012	2012Bore/Drill Rigs15	15	0.877	5.45218	4.70758	0.4060	0.3740	0.0060	601.7336	0.176	0.015
Bore/Drill	2012	2012Bore/Drill Rigs25	25	0.877	5.45218	4.70758	0.4060	0.3740	0.0060	601.7336	0.176	0.015
Bore/Drill	2012	2012Bore/Drill Rigs50	50	0.877	5.45218	4.70758	0.4060	0.3740	0.0060	601.7336	0.176	0.015
Bore/Drill	2012	2012Bore/Drill Rigs120	120	0.3700	4.70854	3.34211	0.3020	0.2780	0.0050	503.4212	0.1470	0.013
Bore/Drill	2012	2012Bore/Drill Rigs175	175	0.3370	4.52801	3.05178	0.2150	0.1980	0.005	531.6414	0.1560	0.014
Bore/Drill	2012	2012Bore/Drill Rigs250	250	0.2510	4.31574	1.23628	0.1340	0.1230	0.0050	520.9621	0.1520	0.013
Bore/Drill	2012	2012Bore/Drill Rigs500	500	0.2280	3.71268	1.3973	0.1240	0.1150	0.0050	511.0099	0.1490	0.013
Bore/Drill	2012	2012Bore/Drill Rigs750	750	0.1650	2.78397	1.06675	0.0940	0.0860	0.005	530.0759	0.1550	0.013
Bore/Drill	2012	2012Bore/Drill Rigs1000	1000	0.1770	4.3794	0.976	0.1030	0.0940	0.0050	521.6821	0.1530	0.013
Bore/Drill	2013	2013Bore/Drill Rigs15	15	0.8560	5.44353	4.71588	0.3980	0.3660	0.0060	598.6307	0.176	0.015
Bore/Drill	2013	2013Bore/Drill Rigs25	25	0.8560	5.44353	4.71588	0.3980	0.3660	0.0060	598.6307	0.176	0.015
Bore/Drill	2013	2013Bore/Drill Rigs50	50	0.8560	5.44353	4.71588	0.3980	0.3660	0.0060	598.6307	0.176	0.015
Bore/Drill	2013	2013Bore/Drill Rigs120	120	0.3510	4.52552	3.33685	0.2790	0.2570	0.0050	501.3795	0.1470	0.013
Bore/Drill	2013	2013Bore/Drill Rigs175	175	0.3200	4.3027	3.04123	0.1990	0.1830	0.005	527.5089	0.1550	0.013
Bore/Drill	2013	2013Bore/Drill Rigs250	250	0.2400	4.0183	1.21872	0.1240	0.1140	0.0050	517.8225	0.1520	0.013
Bore/Drill	2013	2013Bore/Drill Rigs500	500	0.2190	3.49492	1.35236	0.1150	0.1060	0.0050	507.7707	0.1490	0.013
Bore/Drill	2013	2013Bore/Drill Rigs750	750	0.1620	2.57636	1.07935	0.0880	0.0810	0.005	527.7286	0.1550	0.013
Bore/Drill	2013	2013Bore/Drill Rigs1000	1000	0.1350	3.46658	0.96188	0.082	0.0750	0.0050	519.8525	0.1530	0.013
Bore/Drill	2014	2014Bore/Drill Rigs15	15	0.834	5.33236	4.69064	0.3820	0.3510	0.0060	591.4418	0.1750	0.015
Bore/Drill	2014	2014Bore/Drill Rigs25	25	0.834	5.33236	4.69064	0.3820	0.3510	0.0060	591.4418	0.1750	0.015
Bore/Drill	2014	2014Bore/Drill Rigs50	50	0.834	5.33236	4.69064	0.3820	0.3510	0.0060	591.4418	0.1750	0.015
Bore/Drill	2014	2014Bore/Drill Rigs120	120	0.3190	4.19515	3.32686	0.2490	0.2290	0.0050	501.365	0.1480	0.013
Bore/Drill	2014	2014Bore/Drill Rigs175	175	0.3080	4.06571	3.04026	0.186	0.1710	0.0050	524.0522	0.1550	0.013
Bore/Drill	2014	2014Bore/Drill Rigs250	250	0.2170	3.52453	1.17442	0.1050	0.0970	0.0050	512.3362	0.1510	0.013
Bore/Drill	2014	2014Bore/Drill Rigs500	500	0.2020	3.18617	1.239	0.1010	0.0930	0.0050	506.1536	0.1500	0.013
Bore/Drill	2014	2014Bore/Drill Rigs750	750	0.1570	2.37324	1.08678	0.0800	0.074	0.005	525.2397	0.1550	0.013
Bore/Drill	2014	2014Bore/Drill Rigs1000	1000	0.105	2.98435	0.95104	0.0580	0.0540	0.0050	516.5998	0.1530	0.013
Bore/Drill	2015	2015Bore/Drill Rigs15	15	0.847	5.30345	4.73461	0.3790	0.3490	0.0060	585.1707	0.1750	0.015
Bore/Drill	2015	2015Bore/Drill Rigs25	25	0.847	5.30345	4.73461	0.3790	0.3490	0.0060	585.1707	0.1750	0.015
Bore/Drill	2015	2015Bore/Drill Rigs50	50	0.847	5.30345	4.73461	0.3790	0.3490	0.0060	585.1707	0.1750	0.015
Bore/Drill	2015	2015Bore/Drill Rigs120	120	0.3180	4.02775	3.3349	0.2390	0.2200	0.0050	496.9494	0.1480	0.013
Bore/Drill	2015	2015Bore/Drill Rigs175	175	0.3020	3.90422	3.03526	0.1760	0.1620	0.0050	517.2068	0.1540	0.013
Bore/Drill	2015	2015Bore/Drill Rigs250	250	0.2130	3.3245	1.17834	0.1000	0.0920	0.0050	506.5047	0.1510	0.013
Bore/Drill	2015	2015Bore/Drill Rigs500	500	0.1990	3.00307	1.25564	0.0960	0.0880	0.0050	499.9023	0.1490	0.013
Bore/Drill	2015	2015Bore/Drill Rigs750	750	0.1620	2.37558	1.10541	0.0810	0.0740	0.005	520.4733	0.1550	0.013
Bore/Drill	2015	2015Bore/Drill Rigs1000	1000	0.1090	2.99386	0.95583	0.0590	0.0540	0.0050	511.2533	0.1530	0.013
Bore/Drill	2016	2016Bore/Drill Rigs15	15	0.8690	5.29821	4.79659	0.3830	0.352	0.0060	579.3262	0.1750	0.015
Bore/Drill	2016	2016Bore/Drill Rigs25	25	0.8690	5.29821	4.79659	0.3830	0.352	0.0060	579.3262	0.1750	0.015
Bore/Drill	2016	2016Bore/Drill Rigs50	50	0.8690	5.29821	4.79659	0.3830	0.352	0.0060	579.3262	0.1750	0.015
Bore/Drill	2016	2016Bore/Drill Rigs120	120	0.307	3.82088	3.32648	0.2210	0.2040	0.0050	491.6548	0.1480	0.013
Bore/Drill	2016	2016Bore/Drill Rigs175	175	0.2860	3.61582	3.02337	0.1620	0.1490	0.0050	511.4327	0.1540	0.013
Bore/Drill	2016	2016Bore/Drill Rigs250	250	0.1930	2.9021	1.13299	0.0850	0.0780	0.0050	502.128	0.1510	0.013
Bore/Drill	2016	2016Bore/Drill Rigs500	500	0.1710	2.50955	1.13338	0.0770	0.0710	0.0050	494.7606	0.1490	0.013
Bore/Drill	2016	2016Bore/Drill Rigs750	750	0.1530	2.16636	1.11952	0.0720	0.0660	0.005	514.8829	0.1550	0.013
Bore/Drill	2016	2016Bore/Drill Rigs1000	1000	0.1150	3.00833	0.96409	0.0590	0.0550	0.0050	505.9997	0.1530	0.013
Bore/Drill	2017	2017Bore/Drill Rigs15	15	0.8040	5.06335	4.65158	0.3510	0.3230	0.0060	563.9173	0.1730	0.014
Bore/Drill	2017	2017Bore/Drill Rigs25	25	0.8040	5.06335	4.65158	0.3510	0.3230	0.0060	563.9173	0.1730	0.014
Bore/Drill	2017	2017Bore/Drill Rigs50	50	0.8040	5.06335	4.65158	0.3510	0.3230	0.0060	563.9173	0.1730	0.014

Bore/Drill	2017	2017Bore/Drill Rigs120	120	0.298	3.68536	3.33142	0.2110	0.1940	0.0050	485.322	0.1490	0.012
Bore/Drill	2017	2017Bore/Drill Rigs175	175	0.2440	2.98245	3.0013	0.1310	0.1210	0.0050	503.7704	0.1540	0.013
Bore/Drill	2017	2017Bore/Drill Rigs250	250	0.1730	2.5215	1.1021	0.0720	0.0670	0.0050	494.1381	0.1510	0.013
Bore/Drill	2017	2017Bore/Drill Rigs500	500	0.1660	2.36747	1.11891	0.0720	0.0670	0.0050	489.4612	0.15	0.012
Bore/Drill	2017	2017Bore/Drill Rigs750	750	0.1550	2.15656	1.13653	0.0710	0.0660	0.0050	505.1248	0.1550	0.013
Bore/Drill	2017	2017Bore/Drill Rigs1000	1000	0.1210	3.02051	0.97127	0.0600	0.0550	0.0050	498.1225	0.1530	0.013
Bore/Drill	2018	2018Bore/Drill Rigs15	15	0.7670	4.86917	4.56857	0.3290	0.303	0.0050	554.2038	0.1730	0.014
Bore/Drill	2018	2018Bore/Drill Rigs25	25	0.7670	4.86917	4.56857	0.3290	0.303	0.0050	554.2038	0.1730	0.014
Bore/Drill	2018	2018Bore/Drill Rigs50	50	0.7670	4.86917	4.56857	0.3290	0.303	0.0050	554.2038	0.1730	0.014
Bore/Drill	2018	2018Bore/Drill Rigs120	120	0.269	3.39962	3.32325	0.1840	0.1700	0.0050	479.6719	0.1490	0.012
Bore/Drill	2018	2018Bore/Drill Rigs175	175	0.2030	2.35662	2.96107	0.1030	0.0950	0.0050	495.0734	0.1540	0.013
Bore/Drill	2018	2018Bore/Drill Rigs250	250	0.1550	2.15308	1.07328	0.0610	0.056	0.0050	484.5605	0.1510	0.012
Bore/Drill	2018	2018Bore/Drill Rigs500	500	0.1350	1.74562	1.03203	0.0520	0.0480	0.0050	485.6893	0.1510	0.012
Bore/Drill	2018	2018Bore/Drill Rigs750	750	0.126	1.67873	1.00559	0.0540	0.0500	0.0050	489.7301	0.1520	0.012
Bore/Drill	2018	2018Bore/Drill Rigs1000	1000	0.1250	3.03153	0.97772	0.0600	0.0560	0.0050	490.2427	0.1530	0.012
Bore/Drill	2019	2019Bore/Drill Rigs15	15	0.7220	4.71795	4.49723	0.3030	0.2780	0.0050	545.293	0.1730	0.014
Bore/Drill	2019	2019Bore/Drill Rigs25	25	0.7220	4.71795	4.49723	0.3030	0.2780	0.0050	545.293	0.1730	0.014
Bore/Drill	2019	2019Bore/Drill Rigs50	50	0.7220	4.71795	4.49723	0.3030	0.2780	0.0050	545.293	0.1730	0.014
Bore/Drill	2019	2019Bore/Drill Rigs120	120	0.2670	3.32102	3.33202	0.1800	0.1660	0.0050	472.4527	0.1490	0.012
Bore/Drill	2019	2019Bore/Drill Rigs175	175	0.1810	2.01775	2.95563	0.0880	0.0810	0.0050	487.3552	0.1540	0.012
Bore/Drill	2019	2019Bore/Drill Rigs250	250	0.1430	1.8943	1.06058	0.0540	0.0490	0.0050	475.7896	0.1510	0.012
Bore/Drill	2019	2019Bore/Drill Rigs500	500	0.1290	1.55098	1.03449	0.0480	0.0440	0.0050	477.0462	0.1510	0.012
Bore/Drill	2019	2019Bore/Drill Rigs750	750	0.1160	1.44865	0.97074	0.0480	0.044	0.0050	481.8363	0.1520	0.012
Bore/Drill	2019	2019Bore/Drill Rigs1000	1000	0.1290	3.04139	0.98342	0.0610	0.056	0.0050	482.3593	0.1530	0.012
Bore/Drill	2020	2020Bore/Drill Rigs15	15	0.7160	4.6451	4.51013	0.2940	0.2710	0.0060	535.2948	0.1730	0.014
Bore/Drill	2020	2020Bore/Drill Rigs25	25	0.7160	4.6451	4.51013	0.2940	0.2710	0.0060	535.2948	0.1730	0.014
Bore/Drill	2020	2020Bore/Drill Rigs50	50	0.7160	4.6451	4.51013	0.2940	0.2710	0.0060	535.2948	0.1730	0.014
Bore/Drill	2020	2020Bore/Drill Rigs120	120	0.2460	3.06601	3.32347	0.1590	0.1460	0.0050	463.5827	0.1500	0.012
Bore/Drill	2020	2020Bore/Drill Rigs175	175	0.1740	1.87149	2.96948	0.0820	0.0760	0.0050	477.722	0.1550	0.012
Bore/Drill	2020	2020Bore/Drill Rigs250	250	0.1420	1.80732	1.06766	0.0520	0.0480	0.0050	466.8342	0.151	0.012
Bore/Drill	2020	2020Bore/Drill Rigs500	500	0.1250	1.40938	1.01263	0.0450	0.041	0.0050	466.8219	0.151	0.012
Bore/Drill	2020	2020Bore/Drill Rigs750	750	0.1090	1.23085	0.97413	0.0410	0.0380	0.0050	473.6679	0.1530	0.012
Bore/Drill	2020	2020Bore/Drill Rigs1000	1000	0.1330	3.05008	0.98839	0.0610	0.0560	0.0050	471.8492	0.1530	0.012
Bore/Drill	2021	2021Bore/Drill Rigs15	15	0.7110	4.63432	4.54836	0.291	0.2680	0.0060	535.3782	0.1730	0.014
Bore/Drill	2021	2021Bore/Drill Rigs25	25	0.7110	4.63432	4.54836	0.291	0.2680	0.0060	535.3782	0.1730	0.014
Bore/Drill	2021	2021Bore/Drill Rigs50	50	0.7110	4.63432	4.54836	0.291	0.2680	0.0060	535.3782	0.1730	0.014
Bore/Drill	2021	2021Bore/Drill Rigs120	120	0.2170	2.73675	3.30573	0.131	0.1200	0.0050	464.9725	0.1500	0.012
Bore/Drill	2021	2021Bore/Drill Rigs175	175	0.1540	1.5983	2.9614	0.0700	0.0640	0.0050	477.0482	0.1540	0.012
Bore/Drill	2021	2021Bore/Drill Rigs250	250	0.1320	1.55102	1.06418	0.047	0.0430	0.0050	467.9916	0.1510	0.012
Bore/Drill	2021	2021Bore/Drill Rigs500	500	0.117	1.22069	1.01479	0.0410	0.0380	0.0050	469.8158	0.1520	0.012
Bore/Drill	2021	2021Bore/Drill Rigs750	750	0.0980	0.95517	0.97176	0.0330	0.0310	0.0050	474.079	0.1530	0.012
Bore/Drill	2021	2021Bore/Drill Rigs1000	1000	0.1360	3.05759	0.99261	0.0610	0.0570	0.0050	471.8158	0.1530	0.012
Bore/Drill	2022	2022Bore/Drill Rigs15	15	0.6310	4.28474	4.33356	0.2410	0.2210	0.0050	529.8703	0.1710	0.013
Bore/Drill	2022	2022Bore/Drill Rigs25	25	0.6310	4.28474	4.33356	0.2410	0.2210	0.0050	529.8703	0.1710	0.013
Bore/Drill	2022	2022Bore/Drill Rigs50	50	0.6310	4.28474	4.33356	0.2410	0.2210	0.0050	529.8703	0.1710	0.013
Bore/Drill	2022	2022Bore/Drill Rigs120	120	0.1910	2.42459	3.25974	0.1070	0.0990	0.0050	462.2674	0.1500	0.012
Bore/Drill	2022	2022Bore/Drill Rigs175	175	0.1370	1.28831	2.95431	0.0570	0.0520	0.0050	477.3719	0.1540	0.012
Bore/Drill	2022	2022Bore/Drill Rigs250	250	0.115	1.16293	1.04734	0.0370	0.0340	0.0050	468.7604	0.1520	0.012
Bore/Drill	2022	2022Bore/Drill Rigs500	500	0.1080	1.03525	1.00212	0.0350	0.0320	0.0050	467.1923	0.1510	0.012
Bore/Drill	2022	2022Bore/Drill Rigs750	750	0.0910	0.77309	0.97519	0.028	0.0260	0.0050	477.141	0.1540	0.012
Bore/Drill	2022	2022Bore/Drill Rigs1000	1000	0.0570	2.27813	0.9452	0.0180	0.0170	0.0050	472.9214	0.153	0.012
Bore/Drill	2023	2023Bore/Drill Rigs15	15	0.6060	4.20831	4.31077	0.2260	0.2080	0.0050	531.9856	0.1720	0.014
Bore/Drill	2023	2023Bore/Drill Rigs25	25	0.6060	4.20831	4.31077	0.2260	0.2080	0.0050	531.9856	0.1720	0.014
Bore/Drill	2023	2023Bore/Drill Rigs50	50	0.6060	4.20831	4.31077	0.2260	0.2080	0.0050	531.9856	0.1720	0.014
Bore/Drill	2023	2023Bore/Drill Rigs120	120	0.1870	2.35656	3.25754	0.1020	0.0930	0.0050	461.214	0.1490	0.012
Bore/Drill	2023	2023Bore/Drill Rigs175	175	0.1250	1.07773	2.9693	0.0480	0.044	0.005	479.6465	0.1550	0.012
Bore/Drill	2023	2023Bore/Drill Rigs250	250	0.1100	1.04653	1.04309	0.0340	0.0310	0.0050	469.7058	0.1520	0.012
Bore/Drill	2023	2023Bore/Drill Rigs500	500	0.1010	0.89764	0.98883	0.0300	0.0280	0.0050	464.0407	0.1500	0.012
Bore/Drill	2023	2023Bore/Drill Rigs750	750	0.0910	0.71664	0.98235	0.0260	0.0240	0.005	479.2199	0.155	0.012
Bore/Drill	2023	2023Bore/Drill Rigs1000	1000	0.0530	2.26246	0.93615	0.0180	0.0160	0.0050	472.0201	0.1530	0.012
Bore/Drill	2024	2024Bore/Drill Rigs15	15	0.6090	4.15902	4.33098	0.2190	0.2020	0.0050	529.8661	0.1710	0.013
Bore/Drill	2024	2024Bore/Drill Rigs25	25	0.6090	4.15902	4.33098	0.2190	0.2020	0.0050	529.8661	0.1710	0.013
Bore/Drill	2024	2024Bore/Drill Rigs50	50	0.6090	4.15902	4.33098	0.2190	0.2020	0.0050	529.8661	0.1710	0.013
Bore/Drill	2024	2024Bore/Drill Rigs120	120	0.1770	2.21634	3.25123	0.0900	0.0830	0.0050	461.2076	0.1490	0.012
Bore/Drill	2024	2024Bore/Drill Rigs175	175	0.1250	1.02855	2.97803	0.0460	0.0430	0.0050	478.9441	0.1550	0.012
Bore/Drill	2024	2024Bore/Drill Rigs250	250	0.108	0.97542	1.04591	0.0320	0.0300	0.0050	470.7115	0.1520	0.012
Bore/Drill	2024	2024Bore/Drill Rigs500	500	0.1030	0.86053	0.99426	0.0290	0.0270	0.0050	464.4796	0.1500	0.012
Bore/Drill	2024	2024Bore/Drill Rigs750	750	0.0890	0.67139	0.98491	0.0260	0.0240	0.005	480.2246	0.1550	0.012
Bore/Drill	2024	2024Bore/Drill Rigs1000	1000	0.0570	2.27306	0.94304	0.0180	0.0170	0.0050	471.9261	0.1530	0.012
Bore/Drill	2025	2025Bore/Drill Rigs15	15	0.5910	3.97786	4.2728	0.1930	0.1780	0.0050	532.8212	0.1720	0.014
Bore/Drill	2025	2025Bore/Drill Rigs25	25	0.5910	3.97786	4.2728	0.1930	0.1780	0.0050	532.8212	0.1720	0.014
Bore/Drill	2025	2025Bore/Drill Rigs50	50	0.5910	3.97786	4.2728	0.1930	0.1780	0.0050	532.8212	0.1720	0.014
Bore/Drill	2025	2025Bore/Drill Rigs120	120	0.1550	1.96363	3.21758	0.0670	0.062	0.0050	459.8291	0.1490	0.012
Bore/Drill	2025	2025Bore/Drill Rigs175	175	0.1140	0.88787	2.9736	0.0390	0.0360	0.0050	478.2657	0.1550	0.012
Bore/Drill	2025	2025Bore/Drill Rigs250	250	0.1070	0.95717	1.04484	0.0310	0.0290	0.0050	470.6535	0.1520	0.012
Bore/Drill	2025	2025Bore/Drill Rigs500	500	0.1020	0.82299	0.99738	0.0280	0.0260	0.0050	467.2892	0.1510	0.012
Bore/Drill	2025	2025Bore/Drill Rigs750	750	0.0840	0.59628	0.98349	0.0230	0.0210	0.005	481.2495	0.1560	0.012
Bore/Drill	2025	2025Bore/Drill Rigs1000	1000	0.0620	2.28923	0.95339	0.0190	0.0170	0.0050	471.9168	0.1530	0.012
Bore/Drill	2030	2030Bore/Drill Rigs15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Bore/Drill	2030	2030Bore/Drill Rigs25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Bore/Drill	2030	2030Bore/Drill Rigs50	50	0.348	3.02	4.029	0.013	0.013	0.007	568.299	0.031	0.014
Bore/Drill	2030	2030Bore/Drill Rigs120	120	0.183	1.415	3.434	0.012	0.012	0.006	568.299	0.016	0.014
Bore/Drill	2030	2030Bore/Drill Rigs175	175	0.127	0.279	3.038	0.01	0.01	0.006	568.299	0.011	0.014
Bore/Drill	2030	2030Bore/Drill Rigs250	250	0.127	0.274	1.035	0.01	0.01	0.006	568.299	0.011	0.014
Bore/Drill	2030	2030Bore/Drill Rigs500	500	0.127	0.274	1.006	0.01	0.01	0.005	568.299	0.011	0.014
Bore/Drill	2030	2030Bore/Drill Rigs750	750	0.127	0.274	1.006	0.01	0.01	0.005	568.299	0.011	0.014
Bore/Drill	2030	2030Bore/Drill Rigs1000	1000	0.127	2.372	1.006	0.021	0.021	0.005	568.299	0.011	0.014
Bore/Drill	2035	2035Bore/Drill Rigs15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Bore/Drill	2035	2035Bore/Drill Rigs25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Bore/Drill	2035	2035Bore/Drill Rigs50	50	0.348	3.019	4.03	0.013	0.013	0.007	568.299	0.031	0.014
Bore/Drill	2035	2035Bore/Drill Rigs120	120	0.183	1.411	3.434	0.012	0.012	0.006	568.3	0.016	0.014
Bore/Drill	2035	2035Bore/Drill Rigs175	175	0.126	0.272	3.039	0.01	0.01	0.006	568.299	0.011	0.014
Bore/Drill	2035	2035Bore/Drill Rigs250	250	0.126	0.272	1.035	0.01	0.01	0.006	568.299	0.011	0.014
Bore/Drill	2035	2035Bore/Drill Rigs500	500	0.126	0.272	1.006	0.01	0.01	0.005	568.299	0.011	0.014
Bore/Drill	2035	2035Bore/Drill Rigs750	750	0.126	0.272	1.006	0.01	0.01	0.005	568.299	0.011	0.014
Bore/Drill	2035	2035Bore/Drill Rigs1000	1000	0.126	2.372	1.006	0.021	0.021	0.005	568.299	0.011	0.014
Bore/Drill	2040	2040Bore/Drill Rigs15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Bore/Drill	2040	2040Bore/Drill Rigs25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Bore/Drill	2040	2040Bore/Drill Rigs50	50	0.348	3.019	4.032	0.013	0.013	0.007	568.3	0.031	0.014
Bore/Drill	2040	2040Bore/Drill Rigs120	120	0.183	1.411	3.435	0.012	0.012	0.006	568.299	0.016	0.014
Bore/Drill	2040	2040Bore/Drill Rigs175	175	0.127	0.272	3.039	0.01	0.01	0.006	568.299	0.011	0.014
Bore/Drill	2040	2040Bore/Drill Rigs250	250	0.127	0.272	1.035	0.01	0.01	0.006	568.3	0.011	0.014
Bore/Drill	2040	2040Bore/Drill Rigs500	500	0.127	0.272	1.006	0.01	0.01	0.005	568.299	0.011	0.014
Bore/Drill	2040	2040Bore/Drill Rigs750	750	0.127	0.272	1.006	0.01	0.01	0.005	568.299	0.011	0.014
Bore/Drill	2040	2040Bore/Drill Rigs1000	1000	0.127	2.372	1.006	0.021	0.021	0.005	568.299	0.011	0.014
Cement and Mortar Mixers	1990	1990Cement and Mortar Mixers15	15	1.804	4.999	4.999	0.975	0.975	1.049	568.299	0.162	0.014
Cement and Mortar Mixers	1990	1990Cement and Mortar Mixers25	25	2.213	6.919	4.999	0.741	0.741	0.855	568.299	0.199	0.014
Cement and Mortar Mixers	2000	2000Cement and Mortar Mixers15	15	1.662	8.911	4.78	0.745	0.745	0.079	568.299	0.15	0.014
Cement and Mortar Mixers	2000	2000Cement and Mortar Mixers25	25	2.081	6.401	4.757	0.569	0.569	0.065	568.299	0.187	0.014
Cement and Mortar Mixers	2005	2005Cement and Mortar Mixers15	15	1.001	6.3	3.791	0.465	0.465	0.079	568.299	0.09	0.014
Cement and Mortar Mixers	2005	2005Cement and Mortar Mixers25	25	1.548	5.963	3.786	0.471	0.471	0.065	568.299	0.139	0.014
Cement and Mortar Mixers	2010	2010Cement and Mortar Mixers15	15	0.709	4.545	3.492	0.26	0.26	0.008	568.299	0.064	0.014
Cement and Mortar Mixers	2010	2010Cement and Mortar Mixers25	25	1.119	5.286	3.049	0.346	0.346	0.007	568.299	0.101	0.014
Cement and Mortar Mixers	2011	2011Cement and Mortar Mixers15	15	0.685	4.351	3.479	0.231	0.231	0.008	568.299	0.061	0.014
Cement and Mortar Mixers	2011	2011Cement and Mortar Mixers25	25	1.031	5.144	2.897	0.319	0.319	0.007	568.299	0.093	0.014
Cement and Mortar Mixers	2012	2012Cement and Mortar Mixers15	15	0.674	4.272	3.472	0.209	0.209	0.008	568.299	0.06	0.014
Cement and Mortar Mixers	2012	2012Cement and Mortar Mixers25	25	0.949	5.012	2.757	0.293	0.293	0.007	568.299	0.085	0.014
Cement and Mortar Mixers	2013	2013Cement and Mortar Mixers15	15	0.669	4.223	3.469	0.191	0.191	0.008	568.299	0.06	0.014
Cement and Mortar Mixers	2013	2013Cement and Mortar Mixers25	25	0.875	4.887	2.63	0.269	0.269	0.007	568.299	0.078	0.014
Cement and Mortar Mixers	2014	2014Cement and Mortar Mixers15	15	0.666	4.191	3.469	0.177	0.177	0.008	568.299	0.06	0.014
Cement and Mortar Mixers	2014	2014Cement and Mortar Mixers25	25	0.837	4.793	2.57	0.253	0.253	0.007	568.299	0.075	0.014
Cement and Mortar Mixers	2015	2015Cement and Mortar Mixers15	15	0.663	4.168	3.469	0.171	0.171	0.008	568.3	0.059	0.014
Cement and Mortar Mixers	2015	2015Cement and Mortar Mixers25	25	0.811	4.712	2.531	0.24	0.24	0.007	568.299	0.073	0.014
Cement and Mortar Mixers	2016	2016Cement and Mortar Mixers15	15	0.662	4.153	3.469	0.167	0.167	0.008	568.3	0.059	0.014
Cement and Mortar Mixers	2016	2016Cement and Mortar Mixers25	25	0.788	4.636	2.496	0.227	0.227	0.007	568.299	0.071	0.014
Cement and Mortar Mixers	2017	2017Cement and Mortar Mixers15	15	0.661	4.145	3.469	0.165	0.165	0.008	568.299	0.059	0.014
Cement and Mortar Mixers	2017	2017Cement and Mortar Mixers25	25	0.767	4.567	2.466	0.216	0.216	0.007	568.299	0.069	0.014
Cement and Mortar Mixers	2018	2018Cement and Mortar Mixers15	15	0.661	4.142	3.469	0.163	0.163	0.008	568.299	0.059	0.014
Cement and Mortar Mixers	2018	2018Cement and Mortar Mixers25	25	0.749	4.504	2.44	0.205	0.205	0.007	568.299	0.067	0.014
Cement and Mortar Mixers	2019	2019Cement and Mortar Mixers15	15	0.661	4.142	3.469	0.162	0.162	0.008	568.299	0.059	0.014
Cement and Mortar Mixers	2019	2019Cement and Mortar Mixers25	25	0.735	4.469	2.417	0.196	0.196	0.007	568.299	0.066	0.014
Cement and Mortar Mixers	2020	2020Cement and Mortar Mixers15	15	0.661	4.142	3.47	0.161	0.161	0.008	568.299	0.059	0.014
Cement and Mortar Mixers	2020	2020Cement and Mortar Mixers25	25	0.723	4.442	2.397	0.187	0.187	0.007	568.299	0.065	0.014
Cement and Mortar Mixers	2021	2021Cement and Mortar Mixers15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Cement and Mortar Mixers	2021	2021Cement and Mortar Mixers25	25	0.712	4.419	2.381	0.18	0.18	0.007	568.299	0.064	0.014
Cement and Mortar Mixers	2022	2022Cement and Mortar Mixers15	15	0.661	4.142	3.47	0.161	0.161	0.008	568.299	0.059	0.014
Cement and Mortar Mixers	2022	2022Cement and Mortar Mixers25	25	0.704	4.399	2.367	0.175	0.175	0.007	568.299	0.063	0.014
Cement and Mortar Mixers	2023	2023Cement and Mortar Mixers15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Cement and Mortar Mixers	2023	2023Cement and Mortar Mixers25	25	0.697	4.382	2.356	0.172	0.172	0.007	568.299	0.062	0.014
Cement and Mortar Mixers	2024	2024Cement and Mortar Mixers15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Cement and Mortar Mixers	2024	2024Cement and Mortar Mixers25	25	0.693	4.369	2.349	0.17	0.17	0.007	568.299	0.062	0.014
Cement and Mortar Mixers	2025	2025Cement and Mortar Mixers15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014

Cement and Mortar Mixers	2025	2025Cement and Mortar Mixers25	25	0.689	4.357	2.344	0.168	0.168	0.007	568.299	0.062	0.014
Cement and Mortar Mixers	2030	2030Cement and Mortar Mixers15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Cement and Mortar Mixers	2030	2030Cement and Mortar Mixers25	25	0.685	4.333	2.339	0.162	0.162	0.007	568.299	0.061	0.014
Cement and Mortar Mixers	2035	2035Cement and Mortar Mixers15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Cement and Mortar Mixers	2035	2035Cement and Mortar Mixers25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Cement and Mortar Mixers	2040	2040Cement and Mortar Mixers15	15	0.661	4.142	3.47	0.161	0.161	0.008	568.299	0.059	0.014
Cement and Mortar Mixers	2040	2040Cement and Mortar Mixers25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Concrete/Industrial Saws	1990	1990Concrete/Industrial Saws25	25	2.213	6.919	4.999	0.741	0.741	0.855	568.299	0.199	0.014
Concrete/Industrial Saws	1990	1990Concrete/Industrial Saws50	50	4.943	8.008	9.962	1.297	1.297	0.871	568.299	0.446	0.014
Concrete/Industrial Saws	1990	1990Concrete/Industrial Saws120	120	2.467	15.608	5.934	1.385	1.385	0.791	568.299	0.222	0.014
Concrete/Industrial Saws	1990	1990Concrete/Industrial Saws175	175	2.097	15.952	5.376	1.172	1.172	0.758	568.3	0.189	0.014
Concrete/Industrial Saws	2000	2000Concrete/Industrial Saws25	25	1.908	6.326	4.438	0.555	0.555	0.065	568.299	0.172	0.014
Concrete/Industrial Saws	2000	2000Concrete/Industrial Saws50	50	3.572	6.784	7.547	0.789	0.789	0.066	568.299	0.322	0.014
Concrete/Industrial Saws	2000	2000Concrete/Industrial Saws120	120	1.661	9.903	4.354	0.77	0.77	0.06	568.299	0.149	0.014
Concrete/Industrial Saws	2000	2000Concrete/Industrial Saws175	175	1.115	9.017	3.531	0.452	0.452	0.057	568.3	0.1	0.014
Concrete/Industrial Saws	2005	2005Concrete/Industrial Saws25	25	0.849	5.321	2.519	0.333	0.333	0.065	568.299	0.076	0.014
Concrete/Industrial Saws	2005	2005Concrete/Industrial Saws50	50	3.177	6.32	6.994	0.732	0.732	0.066	568.299	0.286	0.014
Concrete/Industrial Saws	2005	2005Concrete/Industrial Saws120	120	1.428	8.401	4.05	0.714	0.714	0.06	568.299	0.128	0.014
Concrete/Industrial Saws	2005	2005Concrete/Industrial Saws175	175	0.932	7.685	3.223	0.393	0.393	0.057	568.299	0.084	0.014
Concrete/Industrial Saws	2010	2010Concrete/Industrial Saws25	25	0.691	4.411	2.339	0.216	0.216	0.007	568.299	0.062	0.014
Concrete/Industrial Saws	2010	2010Concrete/Industrial Saws50	50	2.316	5.774	6.039	0.565	0.565	0.007	568.299	0.208	0.014
Concrete/Industrial Saws	2010	2010Concrete/Industrial Saws120	120	1.028	6.592	3.813	0.551	0.551	0.006	568.299	0.092	0.014
Concrete/Industrial Saws	2010	2010Concrete/Industrial Saws175	175	0.683	5.838	3.116	0.306	0.306	0.006	568.299	0.061	0.014
Concrete/Industrial Saws	2011	2011Concrete/Industrial Saws25	25	0.688	4.372	2.339	0.193	0.193	0.007	568.299	0.062	0.014
Concrete/Industrial Saws	2011	2011Concrete/Industrial Saws50	50	2.142	5.68	5.854	0.534	0.534	0.007	568.299	0.193	0.014
Concrete/Industrial Saws	2011	2011Concrete/Industrial Saws120	120	0.955	6.222	3.775	0.524	0.524	0.006	568.299	0.086	0.014
Concrete/Industrial Saws	2011	2011Concrete/Industrial Saws175	175	0.64	5.491	3.104	0.293	0.293	0.006	568.299	0.057	0.014
Concrete/Industrial Saws	2012	2012Concrete/Industrial Saws25	25	0.686	4.348	2.339	0.173	0.173	0.007	568.299	0.061	0.014
Concrete/Industrial Saws	2012	2012Concrete/Industrial Saws50	50	1.969	5.59	5.671	0.503	0.503	0.007	568.299	0.177	0.014
Concrete/Industrial Saws	2012	2012Concrete/Industrial Saws120	120	0.884	5.844	3.74	0.489	0.489	0.006	568.299	0.079	0.014
Concrete/Industrial Saws	2012	2012Concrete/Industrial Saws175	175	0.597	5.146	3.094	0.272	0.272	0.006	568.299	0.053	0.014
Concrete/Industrial Saws	2013	2013Concrete/Industrial Saws25	25	0.685	4.335	2.339	0.168	0.168	0.007	568.299	0.061	0.014
Concrete/Industrial Saws	2013	2013Concrete/Industrial Saws50	50	1.796	5.377	5.489	0.463	0.463	0.007	568.299	0.162	0.014
Concrete/Industrial Saws	2013	2013Concrete/Industrial Saws120	120	0.816	5.483	3.706	0.451	0.451	0.006	568.299	0.073	0.014
Concrete/Industrial Saws	2013	2013Concrete/Industrial Saws175	175	0.556	4.829	3.086	0.25	0.25	0.006	568.299	0.05	0.014
Concrete/Industrial Saws	2014	2014Concrete/Industrial Saws25	25	0.685	4.332	2.339	0.164	0.164	0.007	568.299	0.061	0.014
Concrete/Industrial Saws	2014	2014Concrete/Industrial Saws50	50	1.626	5.172	5.313	0.424	0.424	0.007	568.299	0.146	0.014
Concrete/Industrial Saws	2014	2014Concrete/Industrial Saws120	120	0.749	5.16	3.675	0.412	0.412	0.006	568.299	0.067	0.014
Concrete/Industrial Saws	2014	2014Concrete/Industrial Saws175	175	0.517	4.531	3.08	0.228	0.228	0.006	568.299	0.046	0.014
Concrete/Industrial Saws	2015	2015Concrete/Industrial Saws25	25	0.685	4.332	2.339	0.162	0.162	0.007	568.299	0.061	0.014
Concrete/Industrial Saws	2015	2015Concrete/Industrial Saws50	50	1.47	4.989	5.165	0.386	0.386	0.007	568.299	0.132	0.014
Concrete/Industrial Saws	2015	2015Concrete/Industrial Saws120	120	0.683	4.789	3.647	0.372	0.372	0.006	568.3	0.061	0.014
Concrete/Industrial Saws	2015	2015Concrete/Industrial Saws175	175	0.475	4.112	3.077	0.207	0.207	0.006	568.299	0.042	0.014
Concrete/Industrial Saws	2016	2016Concrete/Industrial Saws25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Concrete/Industrial Saws	2016	2016Concrete/Industrial Saws50	50	1.322	4.818	5.029	0.35	0.35	0.007	568.3	0.119	0.014
Concrete/Industrial Saws	2016	2016Concrete/Industrial Saws120	120	0.62	4.432	3.62	0.333	0.333	0.006	568.3	0.055	0.014
Concrete/Industrial Saws	2016	2016Concrete/Industrial Saws175	175	0.435	3.708	3.074	0.186	0.186	0.006	568.299	0.039	0.014
Concrete/Industrial Saws	2017	2017Concrete/Industrial Saws25	25	0.685	4.332	2.34	0.161	0.161	0.007	568.299	0.061	0.014
Concrete/Industrial Saws	2017	2017Concrete/Industrial Saws50	50	1.175	4.652	4.894	0.313	0.313	0.007	568.299	0.106	0.014
Concrete/Industrial Saws	2017	2017Concrete/Industrial Saws120	120	0.557	4.086	3.595	0.294	0.294	0.006	568.299	0.05	0.014
Concrete/Industrial Saws	2017	2017Concrete/Industrial Saws175	175	0.395	3.316	3.073	0.165	0.165	0.006	568.299	0.035	0.014
Concrete/Industrial Saws	2018	2018Concrete/Industrial Saws25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Concrete/Industrial Saws	2018	2018Concrete/Industrial Saws50	50	1.032	4.492	4.766	0.277	0.277	0.007	568.299	0.093	0.014
Concrete/Industrial Saws	2018	2018Concrete/Industrial Saws120	120	0.498	3.754	3.571	0.256	0.256	0.006	568.299	0.044	0.014
Concrete/Industrial Saws	2018	2018Concrete/Industrial Saws175	175	0.359	2.945	3.072	0.145	0.145	0.006	568.299	0.032	0.014
Concrete/Industrial Saws	2019	2019Concrete/Industrial Saws25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Concrete/Industrial Saws	2019	2019Concrete/Industrial Saws50	50	0.899	4.338	4.645	0.242	0.242	0.007	568.299	0.081	0.014
Concrete/Industrial Saws	2019	2019Concrete/Industrial Saws120	120	0.443	3.441	3.55	0.22	0.22	0.006	568.3	0.04	0.014
Concrete/Industrial Saws	2019	2019Concrete/Industrial Saws175	175	0.33	2.618	3.072	0.128	0.128	0.006	568.299	0.029	0.014
Concrete/Industrial Saws	2020	2020Concrete/Industrial Saws25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Concrete/Industrial Saws	2020	2020Concrete/Industrial Saws50	50	0.798	4.196	4.552	0.212	0.212	0.007	568.299	0.072	0.014
Concrete/Industrial Saws	2020	2020Concrete/Industrial Saws120	120	0.401	3.163	3.535	0.19	0.19	0.006	568.299	0.036	0.014
Concrete/Industrial Saws	2020	2020Concrete/Industrial Saws175	175	0.306	2.324	3.072	0.114	0.114	0.006	568.299	0.027	0.014
Concrete/Industrial Saws	2021	2021Concrete/Industrial Saws25	25	0.685	4.332	2.34	0.161	0.161	0.007	568.299	0.061	0.014
Concrete/Industrial Saws	2021	2021Concrete/Industrial Saws50	50	0.722	4.063	4.481	0.184	0.184	0.007	568.3	0.065	0.014
Concrete/Industrial Saws	2021	2021Concrete/Industrial Saws120	120	0.369	2.913	3.523	0.166	0.166	0.006	568.299	0.033	0.014
Concrete/Industrial Saws	2021	2021Concrete/Industrial Saws175	175	0.286	2.055	3.072	0.101	0.101	0.006	568.299	0.025	0.014
Concrete/Industrial Saws	2022	2022Concrete/Industrial Saws25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Concrete/Industrial Saws	2022	2022Concrete/Industrial Saws50	50	0.66	3.936	4.422	0.158	0.158	0.007	568.3	0.059	0.014
Concrete/Industrial Saws	2022	2022Concrete/Industrial Saws120	120	0.343	2.686	3.514	0.144	0.144	0.006	568.299	0.031	0.014
Concrete/Industrial Saws	2022	2022Concrete/Industrial Saws175	175	0.267	1.806	3.072	0.089	0.089	0.006	568.3	0.024	0.014
Concrete/Industrial Saws	2023	2023Concrete/Industrial Saws25	25	0.685	4.332	2.34	0.161	0.161	0.007	568.299	0.061	0.014
Concrete/Industrial Saws	2023	2023Concrete/Industrial Saws50	50	0.606	3.815	4.372	0.134	0.134	0.007	568.299	0.054	0.014
Concrete/Industrial Saws	2023	2023Concrete/Industrial Saws120	120	0.32	2.478	3.507	0.123	0.123	0.006	568.3	0.028	0.014
Concrete/Industrial Saws	2023	2023Concrete/Industrial Saws175	175	0.25	1.599	3.072	0.077	0.077	0.006	568.299	0.022	0.014
Concrete/Industrial Saws	2024	2024Concrete/Industrial Saws25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Concrete/Industrial Saws	2024	2024Concrete/Industrial Saws50	50	0.561	3.701	4.33	0.115	0.115	0.007	568.3	0.05	0.014
Concrete/Industrial Saws	2024	2024Concrete/Industrial Saws120	120	0.3	2.315	3.5	0.106	0.106	0.006	568.299	0.027	0.014
Concrete/Industrial Saws	2024	2024Concrete/Industrial Saws175	175	0.235	1.418	3.072	0.067	0.067	0.006	568.299	0.021	0.014
Concrete/Industrial Saws	2025	2025Concrete/Industrial Saws25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Concrete/Industrial Saws	2025	2025Concrete/Industrial Saws50	50	0.525	3.592	4.297	0.099	0.099	0.007	568.299	0.047	0.014
Concrete/Industrial Saws	2025	2025Concrete/Industrial Saws120	120	0.283	2.176	3.495	0.089	0.089	0.006	568.3	0.025	0.014
Concrete/Industrial Saws	2025	2025Concrete/Industrial Saws175	175	0.22	1.249	3.073	0.056	0.056	0.006	568.3	0.019	0.014
Concrete/Industrial Saws	2030	2030Concrete/Industrial Saws25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Concrete/Industrial Saws	2030	2030Concrete/Industrial Saws50	50	0.409	3.222	4.199	0.041	0.041	0.007	568.299	0.036	0.014
Concrete/Industrial Saws	2030	2030Concrete/Industrial Saws120	120	0.221	1.667	3.48	0.036	0.036	0.006	568.299	0.019	0.014
Concrete/Industrial Saws	2030	2030Concrete/Industrial Saws175	175	0.163	0.59	3.074	0.025	0.025	0.006	568.299	0.014	0.014
Concrete/Industrial Saws	2035	2035Concrete/Industrial Saws25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Concrete/Industrial Saws	2035	2035Concrete/Industrial Saws50	50	0.375	3.107	4.174	0.021	0.021	0.007	568.3	0.033	0.014
Concrete/Industrial Saws	2035	2035Concrete/Industrial Saws120	120	0.2	1.491	3.476	0.018	0.018	0.006	568.299	0.018	0.014
Concrete/Industrial Saws	2035	2035Concrete/Industrial Saws175	175	0.143	0.374	3.075	0.014	0.014	0.006	568.299	0.012	0.014
Concrete/Industrial Saws	2040	2040Concrete/Industrial Saws25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Concrete/Industrial Saws	2040	2040Concrete/Industrial Saws50	50	0.373	3.058	4.175	0.014	0.014	0.007	568.299	0.033	0.014
Concrete/Industrial Saws	2040	2040Concrete/Industrial Saws120	120	0.195	1.434	3.477	0.013	0.013	0.006	568.299	0.017	0.014
Concrete/Industrial Saws	2040	2040Concrete/Industrial Saws175	175	0.136	0.297	3.076	0.011	0.011	0.006	568.3	0.012	0.014
Cranes	1990	1990Cranes50	50	5.179	8.093	10.396	1.345	1.345	0.871	568.299	0.467	0.014
Cranes	1990	1990Cranes120	120	2.508	15.674	5.983	1.427	1.427	0.791	568.299	0.226	0.014
Cranes	1990	1990Cranes175	175	2.033	15.601	5.387	1.142	1.142	0.758	568.299	0.183	0.014
Cranes	1990	1990Cranes250	250	2.033	15.601	5.387	1.142	1.142	0.758	568.299	0.183	0.014
Cranes	1990	1990Cranes500	500	1.782	14.718	12.529	0.968	0.968	0.662	568.299	0.16	0.014
Cranes	1990	1990Cranes750	750	1.782	14.718	12.529	0.986	0.986	1.018	568.299	0.16	0.014
Cranes	1990	1990Cranes9999	9999	1.778	14.718	12.529	0.98	0.98	1.018	568.299	0.16	0.014
Cranes	2000	2000Cranes50	50	4.636	7.163	9.507	0.958	0.958	0.066	568.3	0.418	0.014
Cranes	2000	2000Cranes120	120	1.926	10.905	4.81	0.93	0.93	0.06	568.299	0.173	0.014
Cranes	2000	2000Cranes175	175	1.299	9.929	3.932	0.552	0.552	0.057	568.299	0.117	0.014
Cranes	2000	2000Cranes250	250	1.13	9.635	3.285	0.47	0.47	0.057	568.299	0.101	0.014
Cranes	2000	2000Cranes500	500	1.019	9.139	5.545	0.411	0.411	0.05	568.299	0.092	0.014
Cranes	2000	2000Cranes750	750	1.019	9.139	5.545	0.411	0.411	0.052	568.299	0.092	0.014
Cranes	2000	2000Cranes9999	9999	1.064	9.643	6.045	0.394	0.394	0.052	568.299	0.096	0.014
Cranes	2005	2005Cranes50	50	4.193	6.736	8.893	0.898	0.898	0.066	568.3	0.378	0.014
Cranes	2005	2005Cranes120	120	1.686	9.357	4.493	0.875	0.875	0.06	568.299	0.152	0.014
Cranes	2005	2005Cranes175	175	1.108	8.542	3.6	0.487	0.487	0.057	568.299	0.099	0.014
Cranes	2005	2005Cranes250	250	0.847	8.163	2.367	0.343	0.343	0.057	568.299	0.076	0.014
Cranes	2005	2005Cranes500	500	0.75	7.448	3.287	0.303	0.303	0.05	568.299	0.067	0.014
Cranes	2005	2005Cranes750	750	0.76	7.598	3.283	0.305	0.305	0.052	568.299	0.068	0.014
Cranes	2005	2005Cranes9999	9999	0.838	8.503	3.718	0.293	0.293	0.052	568.299	0.075	0.014
Cranes	2010	2010Cranes50	50	2.3420	6.30432	7.37084	0.6650	0.6120	0.0050	575.653	0.1680	0.015
Cranes	2010	2010Cranes120	120	1.3670	11.2099	5.06328	0.8340	0.7670	0.0050	522.2692	0.152	0.013
Cranes	2010	2010Cranes175	175	0.8400	9.06236	3.96843	0.4830	0.4450	0.0050	527.7153	0.1540	0.013
Cranes	2010	2010Cranes250	250	0.6940	8.39974	2.85637	0.3830	0.3530	0.0050	525.6477	0.153	0.013
Cranes	2010	2010Cranes500	500	0.5290	7.05496	4.77692	0.2920	0.2680	0.0050	524.2494	0.1530	0.013
Cranes	2010	2010Cranes750	750	0.2610	4.49648	1.59747	0.149	0.1370	0.0050	523.8164	0.1520	0.013
Cranes	2010	2010Cranes9999	9999	0.3260	6.39903	1.00751	0.1510	0.1390	0.0050	524.505	0.1530	0.013
Cranes	2011	2011Cranes50	50	2.2410	6.2271	7.21121	0.6410	0.5900	0.0050	574.2181	0.1680	0.015
Cranes	2011	2011Cranes120	120	1.3270	10.9169	5.02442	0.8100	0.7450	0.0050	521.0055	0.152	0.013
Cranes	2011	2011Cranes175	175	0.8330	8.96629	3.9727	0.4800	0.4410	0.0050	526.3466	0.1540	0.013
Cranes	2011	2011Cranes250	250	0.6880	8.29972	2.82731	0.3790	0.3490	0.0050	524.3412	0.153	0.013
Cranes	2011	2011Cranes500	500	0.5160	6.85019	4.61471	0.283	0.2600	0.0050	523.002	0.1530	0.013
Cranes	2011	2011Cranes750	750	0.267	4.47987	1.60931	0.1510	0.1390	0.0050	522.4977	0.1520	0.013
Cranes	2011	2011Cranes9999	9999	0.3300	6.442	1.01544	0.1530	0.1410	0.0050	523.1938	0.1530	0.013
Cranes	2012	2012Cranes50	50	2.1640	6.16881	7.10245	0.6220	0.5730	0.0050	572.7834	0.1680	0.015
Cranes	2012	2012Cranes120	120	1.3020	10.7338	4.99918	0.7950	0.7320	0.0050	519.357	0.1520	0.013
Cranes	2012	2012Cranes175	175	0.8340	8.9416	3.98552	0.4810	0.4420	0.0050	525.0081	0.1540	0.013
Cranes	2012	2012Cranes250	250	0.6920	8.30152	2.83394	0.3810	0.3500	0.0050	522.9802	0.153	0.013
Cranes	2012	2012Cranes500	500	0.5150	6.7893	4.5553	0.2810	0.2590	0.0050	521.6408	0.1530	0.013
Cranes	2012	2012Cranes750	750	0.2730	4.45619	1.62066	0.1520	0.1400	0.0050	521.1061	0.1520	0.013
Cranes	2012	2012Cranes9999	9999	0.3340	6.48415	1.02322	0.1560	0.1440	0.0050	521.8825	0.1530	0.013
Cranes	2013	2013Cranes50	50	2.1390	6.10837	7.11869	0.6100	0.5610	0.0050	569.9097	0.1680	0.015
Cranes	2013	2013Cranes120	120	1.2660	10.4655	4.95084	0.7750	0.7130	0.0050	516.6909	0.1520	0.013
Cranes	2013	2013Cranes175	175	0.8260	8.83222	3.98019	0.4760	0.4380	0.0050	522.3332	0.1540	0.013
Cranes	2013	2013Cranes250	250	0.6830	8.15558	2.80099	0.3750	0.3450	0.0050	520.3446	0.153	0.013
Cranes	2013	2013Cranes500	500	0.4980	6.51563	4.36265	0.27	0.2480	0.0050	519.0961	0.1530	0.013

Cranes	2013	2013Cranes750	750	0.2750	4.36739	1.62896	0.1500	0.1380	0.0050	518.355	0.1520	0.013
Cranes	2013	2013Cranes9999	9999	0.3380	6.5255	1.03085	0.1590	0.1460	0.0050	519.26	0.1530	0.013
Cranes	2014	2014Cranes50	50	2.1150	6.09324	7.12566	0.6070	0.5590	0.0050	567.0058	0.1680	0.014
Cranes	2014	2014Cranes120	120	1.2450	10.3017	4.92305	0.7650	0.7040	0.0050	514.0286	0.1520	0.013
Cranes	2014	2014Cranes175	175	0.7930	8.47052	3.93186	0.457	0.4200	0.0050	519.5114	0.1540	0.013
Cranes	2014	2014Cranes250	250	0.6610	7.86026	2.72625	0.3600	0.3310	0.0050	517.6833	0.153	0.013
Cranes	2014	2014Cranes500	500	0.4830	6.26415	4.17708	0.2600	0.2390	0.0050	516.5784	0.1530	0.013
Cranes	2014	2014Cranes750	750	0.2800	4.32737	1.63547	0.1510	0.1390	0.0050	515.6071	0.1520	0.013
Cranes	2014	2014Cranes9999	9999	0.1200	2.28075	0.94782	0.0540	0.05	0.0050	516.6375	0.1530	0.013
Cranes	2015	2015Cranes50	50	2.0870	6.07491	7.12517	0.6010	0.5520	0.0050	561.2236	0.1680	0.014
Cranes	2015	2015Cranes120	120	1.2140	10.0604	4.88366	0.7470	0.6870	0.0050	508.8366	0.1520	0.013
Cranes	2015	2015Cranes175	175	0.7820	8.3254	3.91821	0.4500	0.4140	0.0050	514.2598	0.1540	0.013
Cranes	2015	2015Cranes250	250	0.6420	7.62156	2.65334	0.3480	0.3200	0.0050	512.4484	0.153	0.013
Cranes	2015	2015Cranes500	500	0.475	6.12404	4.10962	0.2530	0.2330	0.0050	511.1972	0.1530	0.013
Cranes	2015	2015Cranes750	750	0.2860	4.31183	1.64279	0.1520	0.1400	0.0050	510.3342	0.1520	0.013
Cranes	2015	2015Cranes9999	9999	0.1310	2.29477	0.95679	0.0550	0.051	0.0050	511.3924	0.1530	0.013
Cranes	2016	2016Cranes50	50	2.1300	6.11027	7.2684	0.6100	0.5610	0.0050	555.4414	0.1680	0.014
Cranes	2016	2016Cranes120	120	1.1540	9.60772	4.79702	0.7090	0.6530	0.0050	503.5992	0.1520	0.013
Cranes	2016	2016Cranes175	175	0.7440	7.88718	3.86156	0.4270	0.3930	0.0050	508.9515	0.1540	0.013
Cranes	2016	2016Cranes250	250	0.6230	7.38068	2.5822	0.3350	0.3080	0.0050	507.1552	0.153	0.013
Cranes	2016	2016Cranes500	500	0.443	5.64865	3.83445	0.2330	0.2150	0.0050	506.0882	0.1530	0.013
Cranes	2016	2016Cranes750	750	0.2920	4.31387	1.65024	0.1530	0.1410	0.0050	505.0695	0.1520	0.013
Cranes	2016	2016Cranes9999	9999	0.1420	2.30856	0.96562	0.0560	0.0520	0.0050	506.1474	0.1530	0.013
Cranes	2017	2017Cranes50	50	2.1730	6.14479	7.40804	0.6200	0.5700	0.0050	546.7815	0.1680	0.014
Cranes	2017	2017Cranes120	120	1.0960	9.15389	4.71022	0.6780	0.6240	0.0050	495.7534	0.1520	0.013
Cranes	2017	2017Cranes175	175	0.6960	7.36009	3.78744	0.3970	0.3660	0.0050	501.093	0.1540	0.013
Cranes	2017	2017Cranes250	250	0.5610	6.65526	2.38452	0.2970	0.273	0.0050	499.3721	0.153	0.013
Cranes	2017	2017Cranes500	500	0.4100	5.23184	3.54746	0.2120	0.1950	0.0050	498.439	0.1530	0.013
Cranes	2017	2017Cranes750	750	0.2870	4.1579	1.63305	0.1470	0.1350	0.0050	497.1865	0.1520	0.013
Cranes	2017	2017Cranes9999	9999	0.1520	2.32212	0.97429	0.0570	0.0530	0.0050	498.2798	0.1530	0.013
Cranes	2018	2018Cranes50	50	2.0720	6.00385	7.24744	0.624	0.5740	0.0050	538.1219	0.1680	0.014
Cranes	2018	2018Cranes120	120	0.9320	7.93075	4.45237	0.5830	0.5360	0.0050	488.1172	0.152	0.012
Cranes	2018	2018Cranes175	175	0.6210	6.5572	3.66571	0.3510	0.323	0.0050	493.0451	0.1530	0.013
Cranes	2018	2018Cranes250	250	0.4830	5.77298	2.13445	0.2500	0.2300	0.0050	491.4069	0.153	0.013
Cranes	2018	2018Cranes500	500	0.3700	4.63433	3.1871	0.187	0.172	0.0050	490.8912	0.1530	0.013
Cranes	2018	2018Cranes750	750	0.2710	3.7688	1.61304	0.1370	0.1260	0.0050	489.0536	0.1520	0.012
Cranes	2018	2018Cranes9999	9999	0.1620	2.33544	0.98282	0.0580	0.0540	0.0050	490.4122	0.1530	0.012
Cranes	2019	2019Cranes50	50	2.0450	5.95197	7.24465	0.6150	0.5660	0.0050	529.4626	0.1680	0.013
Cranes	2019	2019Cranes120	120	0.8030	6.95786	4.26491	0.5000	0.4600	0.0050	480.3251	0.152	0.012
Cranes	2019	2019Cranes175	175	0.5680	5.94857	3.5982	0.3180	0.2920	0.0050	485.1817	0.1540	0.012
Cranes	2019	2019Cranes250	250	0.4270	5.0842	1.94079	0.2160	0.1980	0.0050	483.4616	0.153	0.012
Cranes	2019	2019Cranes500	500	0.3490	4.29654	2.96893	0.173	0.1590	0.0050	483.1422	0.1530	0.012
Cranes	2019	2019Cranes750	750	0.252	3.42803	1.44568	0.1240	0.1140	0.0050	481.1192	0.1520	0.012
Cranes	2019	2019Cranes9999	9999	0.1720	2.34854	0.9912	0.0590	0.0550	0.0050	482.5446	0.1530	0.012
Cranes	2020	2020Cranes50	50	2.0840	5.98471	7.37625	0.6240	0.5740	0.0050	517.9263	0.1680	0.013
Cranes	2020	2020Cranes120	120	0.7320	6.38117	4.17141	0.4530	0.4170	0.0050	469.8821	0.152	0.012
Cranes	2020	2020Cranes175	175	0.5370	5.5697	3.56232	0.2980	0.274	0.0050	474.5939	0.1530	0.012
Cranes	2020	2020Cranes250	250	0.3840	4.56329	1.7904	0.1880	0.1730	0.0050	472.9488	0.153	0.012
Cranes	2020	2020Cranes500	500	0.3210	3.86243	2.66037	0.1550	0.1420	0.0050	472.5579	0.1530	0.012
Cranes	2020	2020Cranes750	750	0.2420	3.10471	1.44353	0.116	0.1070	0.0050	470.4254	0.1520	0.012
Cranes	2020	2020Cranes9999	9999	0.1820	2.3614	0.99943	0.0600	0.0560	0.0050	472.0545	0.1530	0.012
Cranes	2021	2021Cranes50	50	2.1150	6.01375	7.48883	0.6310	0.5810	0.0050	517.8995	0.1670	0.013
Cranes	2021	2021Cranes120	120	0.6510	5.73085	4.06507	0.3980	0.3660	0.0050	469.8867	0.152	0.012
Cranes	2021	2021Cranes175	175	0.4980	5.1125	3.51648	0.2730	0.251	0.0050	474.5458	0.1530	0.012
Cranes	2021	2021Cranes250	250	0.3490	4.10439	1.67824	0.1670	0.1530	0.0050	472.9057	0.1530	0.012
Cranes	2021	2021Cranes500	500	0.2950	3.44253	2.44833	0.1390	0.1270	0.0050	472.4553	0.1530	0.012
Cranes	2021	2021Cranes750	750	0.2280	2.72739	1.43956	0.1070	0.0980	0.0050	470.5495	0.1520	0.012
Cranes	2021	2021Cranes9999	9999	0.1920	2.37402	1.00751	0.0610	0.0560	0.0050	472.0545	0.1530	0.012
Cranes	2022	2022Cranes50	50	2.0280	5.8991	7.36828	0.6030	0.5550	0.0050	517.8722	0.1670	0.013
Cranes	2022	2022Cranes120	120	0.5780	5.14893	3.97198	0.3460	0.3180	0.0050	469.9929	0.152	0.012
Cranes	2022	2022Cranes175	175	0.4570	4.6169	3.4753	0.2460	0.2270	0.0050	474.5887	0.1530	0.012
Cranes	2022	2022Cranes250	250	0.3160	3.54149	1.60164	0.147	0.1350	0.0050	472.9832	0.153	0.012
Cranes	2022	2022Cranes500	500	0.2610	2.89369	2.21201	0.1170	0.1080	0.0050	472.1806	0.1530	0.012
Cranes	2022	2022Cranes750	750	0.2000	2.25087	1.28309	0.0890	0.0820	0.0050	470.4755	0.1520	0.012
Cranes	2022	2022Cranes9999	9999	0.2010	2.38641	1.01544	0.0620	0.0570	0.0050	472.0545	0.1530	0.012
Cranes	2023	2023Cranes50	50	2.0470	5.9225	7.45254	0.6080	0.559	0.0050	517.8722	0.1670	0.013
Cranes	2023	2023Cranes120	120	0.5520	4.87461	3.9444	0.3230	0.2970	0.0050	469.8891	0.152	0.012
Cranes	2023	2023Cranes175	175	0.4230	4.22184	3.44284	0.2240	0.2060	0.0050	474.595	0.1530	0.012
Cranes	2023	2023Cranes250	250	0.2970	3.22938	1.55262	0.1350	0.1240	0.0050	472.9738	0.153	0.012
Cranes	2023	2023Cranes500	500	0.2360	2.5105	2.01	0.1020	0.0930	0.0050	472.294	0.1530	0.012
Cranes	2023	2023Cranes750	750	0.195	2.07257	1.28213	0.0840	0.0770	0.0050	470.2508	0.1520	0.012
Cranes	2023	2023Cranes9999	9999	0.2110	2.39857	1.02322	0.0630	0.0580	0.0050	472.0545	0.1530	0.012
Cranes	2024	2024Cranes50	50	1.9370	5.78796	7.26852	0.5770	0.531	0.0050	517.8722	0.1670	0.013
Cranes	2024	2024Cranes120	120	0.5240	4.61888	3.90649	0.3010	0.2770	0.0050	469.9032	0.152	0.012
Cranes	2024	2024Cranes175	175	0.3810	3.7029	3.3893	0.1960	0.1800	0.0050	474.6358	0.1540	0.012
Cranes	2024	2024Cranes250	250	0.2810	2.96596	1.50208	0.1230	0.1140	0.0050	472.9638	0.153	0.012
Cranes	2024	2024Cranes500	500	0.2310	2.38291	1.93263	0.0960	0.0890	0.0050	472.0664	0.1530	0.012
Cranes	2024	2024Cranes750	750	0.1910	1.89979	1.28334	0.0800	0.0730	0.0050	470.3306	0.1520	0.012
Cranes	2024	2024Cranes9999	9999	0.2200	2.4105	1.03085	0.0640	0.059	0.0050	472.0545	0.1530	0.012
Cranes	2025	2025Cranes50	50	1.811	5.63562	7.07168	0.5430	0.4990	0.0050	517.8722	0.1670	0.013
Cranes	2025	2025Cranes120	120	0.4630	4.13532	3.83081	0.2600	0.2400	0.0050	469.5332	0.1520	0.012
Cranes	2025	2025Cranes175	175	0.3340	3.16038	3.33544	0.1660	0.153	0.0050	474.7477	0.1540	0.012
Cranes	2025	2025Cranes250	250	0.2650	2.68128	1.4697	0.114	0.1050	0.0050	472.9798	0.153	0.012
Cranes	2025	2025Cranes500	500	0.2180	2.15424	1.83363	0.0880	0.0810	0.0050	471.9671	0.1530	0.012
Cranes	2025	2025Cranes750	750	0.1720	1.63763	1.27366	0.0680	0.0620	0.0050	470.2756	0.1520	0.012
Cranes	2025	2025Cranes9999	9999	0.2290	2.42219	1.03833	0.065	0.0600	0.0050	472.0545	0.1530	0.012
Cranes	2030	2030Cranes50	50	0.684	3.598	5.366	0.075	0.075	0.007	568.299	0.061	0.014
Cranes	2030	2030Cranes120	120	0.343	1.987	3.812	0.067	0.067	0.006	568.299	0.03	0.014
Cranes	2030	2030Cranes175	175	0.253	0.916	3.356	0.042	0.042	0.006	568.299	0.022	0.014
Cranes	2030	2030Cranes250	250	0.224	0.748	1.147	0.024	0.024	0.006	568.299	0.02	0.014
Cranes	2030	2030Cranes500	500	0.222	0.697	1.09	0.023	0.023	0.005	568.299	0.02	0.014
Cranes	2030	2030Cranes750	750	0.222	0.709	1.09	0.024	0.024	0.005	568.3	0.02	0.014
Cranes	2030	2030Cranes9999	9999	0.245	2.8	1.108	0.043	0.043	0.005	568.299	0.022	0.014
Cranes	2035	2035Cranes50	50	0.6	3.401	5.292	0.039	0.039	0.007	568.299	0.054	0.014
Cranes	2035	2035Cranes120	120	0.3	1.676	3.801	0.036	0.036	0.006	568.3	0.027	0.014
Cranes	2035	2035Cranes175	175	0.212	0.519	3.357	0.024	0.024	0.006	568.299	0.019	0.014
Cranes	2035	2035Cranes250	250	0.203	0.463	1.143	0.016	0.016	0.006	568.299	0.018	0.014
Cranes	2035	2035Cranes500	500	0.202	0.441	1.087	0.016	0.016	0.005	568.299	0.018	0.014
Cranes	2035	2035Cranes750	750	0.202	0.446	1.087	0.016	0.016	0.005	568.299	0.018	0.014
Cranes	2035	2035Cranes9999	9999	0.209	2.618	1.089	0.031	0.031	0.005	568.299	0.018	0.014
Cranes	2040	2040Cranes50	50	0.567	3.324	5.268	0.024	0.024	0.007	568.299	0.051	0.014
Cranes	2040	2040Cranes120	120	0.282	1.552	3.797	0.021	0.021	0.006	568.299	0.025	0.014
Cranes	2040	2040Cranes175	175	0.197	0.371	3.358	0.016	0.016	0.006	568.299	0.017	0.014
Cranes	2040	2040Cranes250	250	0.195	0.344	1.144	0.013	0.013	0.006	568.299	0.017	0.014
Cranes	2040	2040Cranes500	500	0.195	0.34	1.087	0.013	0.013	0.005	568.299	0.017	0.014
Cranes	2040	2040Cranes750	750	0.195	0.341	1.087	0.013	0.013	0.005	568.299	0.017	0.014
Cranes	2040	2040Cranes9999	9999	0.198	2.534	1.087	0.027	0.027	0.005	568.299	0.017	0.014
Crawler Tractors	1990	1990Crawler Tractors50	50	4.903	7.983	9.907	1.291	1.291	0.871	568.299	0.442	0.014
Crawler Tractors	1990	1990Crawler Tractors120	120	2.374	14.967	5.73	1.353	1.353	0.791	568.299	0.214	0.014
Crawler Tractors	1990	1990Crawler Tractors175	175	1.729	13.979	5.079	0.962	0.962	0.758	568.299	0.156	0.014
Crawler Tractors	1990	1990Crawler Tractors250	250	1.729	13.979	5.079	0.962	0.962	0.758	568.299	0.156	0.014
Crawler Tractors	1990	1990Crawler Tractors500	500	1.528	13.238	11.319	0.822	0.822	0.662	568.3	0.137	0.014
Crawler Tractors	1990	1990Crawler Tractors750	750	1.528	13.238	11.319	0.837	0.837	1.018	568.299	0.137	0.014
Crawler Tractors	1990	1990Crawler Tractors1000	1000	1.518	13.238	11.319	0.826	0.826	1.018	568.299	0.137	0.014
Crawler Tractors	2000	2000Crawler Tractors50	50	4.73	7.197	9.675	0.973	0.973	0.066	568.299	0.426	0.014
Crawler Tractors	2000	2000Crawler Tractors120	120	1.966	11.097	4.886	0.949	0.949	0.06	568.299	0.177	0.014
Crawler Tractors	2000	2000Crawler Tractors175	175	1.339	10.157	4.018	0.57	0.57	0.057	568.3	0.12	0.014
Crawler Tractors	2000	2000Crawler Tractors250	250	1.168	9.863	3.367	0.486	0.486	0.057	568.299	0.105	0.014
Crawler Tractors	2000	2000Crawler Tractors500	500	1.049	9.341	5.849	0.424	0.424	0.05	568.299	0.094	0.014
Crawler Tractors	2000	2000Crawler Tractors750	750	1.049	9.341	5.849	0.424	0.424	0.052	568.299	0.094	0.014
Crawler Tractors	2000	2000Crawler Tractors1000	1000	1.095	9.844	6.349	0.407	0.407	0.052	568.299	0.098	0.014
Crawler Tractors	2005	2005Crawler Tractors50	50	4.323	6.809	9.124	0.919	0.919	0.066	568.299	0.39	0.014
Crawler Tractors	2005	2005Crawler Tractors120	120	1.759	9.75	4.63	0.903	0.903	0.06	568.299	0.158	0.014
Crawler Tractors	2005	2005Crawler Tractors175	175	1.163	8.886	3.749	0.513	0.513	0.057	568.299	0.104	0.014
Crawler Tractors	2005	2005Crawler Tractors250	250	0.91	8.523	2.557	0.371	0.371	0.057	568.299	0.082	0.014
Crawler Tractors	2005	2005Crawler Tractors500	500	0.804	7.791	3.945	0.326	0.326	0.05	568.299	0.072	0.014
Crawler Tractors	2005	2005Crawler Tractors750	750	0.813	7.93	3.938	0.328	0.328	0.052	568.299	0.073	0.014
Crawler Tractors	2005	2005Crawler Tractors1000	1000	0.889	8.804	4.359	0.319	0.319	0.052	568.3	0.08	0.014
Crawler Tractors	2010	2010Crawler Tractors50	50	2.6840	6.54779	8.18872	0.7850	0.7220	0.0050	572.972	0.1670	0.015
Crawler Tractors	2010	2010Crawler Tractors120	120	0.8980	7.76656	4.10668	0.6280	0.5780	0.0050	530.0152	0.1540	0.013
Crawler Tractors	2010	2010Crawler Tractors175	175	0.6350	7.15822	3.40812	0.378	0.3480	0.0050	524.4997	0.1530	0.013
Crawler Tractors	2010	2010Crawler Tractors250	250	0.4540	6.46768	1.89919	0.2490	0.2290	0.0050	526.1431	0.1530	0.013
Crawler Tractors	2010	2010Crawler Tractors500	500	0.4130	5.96739	3.0665	0.2270	0.2090	0.0050	528.681	0.1540	0.013
Crawler Tractors	2010	2010Crawler Tractors750	750	0.3510	5.31967	1.75694	0.1890	0.1740	0.0050	525.9395	0.1530	0.013
Crawler Tractors	2010	2010Crawler Tractors1000	1000	0.458	7.25547	2.04187	0.2100	0.1930	0.0050	527.6019	0.1540	0.013
Crawler Tractors	2011	2011Crawler Tractors50	50	2.5970	6.48764	8.06059	0.762	0.7010	0.0050	571.2544	0.1670	0.015
Crawler Tractors	2011	2011Crawler Tractors120	120	0.8870	7.65924	4.11149	0.6240	0.5740	0.0050	528.5468	0.1540	0.013
Crawler Tractors	2011	2011Crawler Tractors175	175	0.6330	7.0937	3.422	0.3780	0.3470	0.0050	523.1105	0.1530	0.013
Crawler Tractors	2011	2011Crawler Tractors250	250	0.4550	6.42306	1.8844	0.248	0.2280	0.0050	524.8932	0.1530	0.013
Crawler Tractors	2011	2011Crawler Tractors500	500	0.4160	5.91443	3.04503	0.2260	0.2080	0.0050	527.4003	0.1540	0.013
Crawler Tractors	2011	2011Crawler Tractors750	750	0.3500	5.23606	1.70832	0.1860	0.1710	0.0050	524.9577	0.1530	0.013
Crawler Tractors	2011	2011Crawler Tractors1000	1000	0.4630	7.30105	2.05264	0.2120	0.1950	0.0050	526.3508	0.1540	0.013

Crawler Tractors	2012	2012Crawler Tractors50	50	2.6280	6.51312	8.16399	0.77	0.7080	0.0050	569.8895	0.1670	0.015
Crawler Tractors	2012	2012Crawler Tractors120	120	0.8960	7.67928	4.14375	0.6330	0.582	0.0050	527.2248	0.1540	0.013
Crawler Tractors	2012	2012Crawler Tractors175	175	0.6410	7.11308	3.4484	0.3820	0.3510	0.0050	521.7707	0.1530	0.013
Crawler Tractors	2012	2012Crawler Tractors250	250	0.462	6.43904	1.8924	0.2500	0.2300	0.0050	523.5287	0.1530	0.013
Crawler Tractors	2012	2012Crawler Tractors500	500	0.4220	5.9107	3.05662	0.2270	0.209	0.0050	526.0223	0.1540	0.013
Crawler Tractors	2012	2012Crawler Tractors750	750	0.3580	5.25574	1.71661	0.1890	0.1730	0.0050	523.7088	0.1530	0.013
Crawler Tractors	2012	2012Crawler Tractors1000	1000	0.4670	7.34463	2.06265	0.2140	0.1970	0.0050	525.1067	0.1540	0.013
Crawler Tractors	2013	2013Crawler Tractors50	50	2.572	6.42928	8.10275	0.7530	0.6920	0.0050	567.3537	0.1670	0.014
Crawler Tractors	2013	2013Crawler Tractors120	120	0.8970	7.64718	4.16448	0.636	0.5850	0.0050	524.5941	0.1540	0.013
Crawler Tractors	2013	2013Crawler Tractors175	175	0.6380	7.02367	3.4566	0.3800	0.3490	0.0050	519.0712	0.1530	0.013
Crawler Tractors	2013	2013Crawler Tractors250	250	0.4610	6.36771	1.8715	0.2470	0.2270	0.0050	520.7236	0.1530	0.013
Crawler Tractors	2013	2013Crawler Tractors500	500	0.4210	5.82738	2.99715	0.2250	0.2070	0.0050	523.5592	0.1540	0.013
Crawler Tractors	2013	2013Crawler Tractors750	750	0.3510	5.09878	1.67885	0.1830	0.1680	0.0050	520.5693	0.1530	0.013
Crawler Tractors	2013	2013Crawler Tractors1000	1000	0.4710	7.3862	2.07187	0.2160	0.199	0.0050	522.5513	0.1540	0.013
Crawler Tractors	2014	2014Crawler Tractors50	50	2.5210	6.39578	8.04733	0.7430	0.6840	0.0050	564.5641	0.1670	0.014
Crawler Tractors	2014	2014Crawler Tractors120	120	0.8840	7.52434	4.16815	0.6280	0.5780	0.0050	522.1187	0.1540	0.013
Crawler Tractors	2014	2014Crawler Tractors175	175	0.6290	6.87548	3.45911	0.3740	0.3440	0.0050	516.4039	0.1530	0.013
Crawler Tractors	2014	2014Crawler Tractors250	250	0.454	6.23751	1.83765	0.2410	0.2220	0.0050	518.0363	0.1530	0.013
Crawler Tractors	2014	2014Crawler Tractors500	500	0.4120	5.61601	2.91108	0.2170	0.2000	0.0050	520.5153	0.1540	0.013
Crawler Tractors	2014	2014Crawler Tractors750	750	0.3470	4.89468	1.67523	0.1790	0.1640	0.0050	517.8612	0.153	0.013
Crawler Tractors	2014	2014Crawler Tractors1000	1000	0.4750	7.42576	2.08028	0.2180	0.2010	0.0050	520.0052	0.1540	0.013
Crawler Tractors	2015	2015Crawler Tractors50	50	2.5130	6.37736	8.07628	0.7410	0.6820	0.0050	558.8878	0.1670	0.014
Crawler Tractors	2015	2015Crawler Tractors120	120	0.8840	7.4938	4.18907	0.63	0.5800	0.0050	516.8433	0.1540	0.013
Crawler Tractors	2015	2015Crawler Tractors175	175	0.6320	6.84937	3.47922	0.3760	0.3460	0.0050	511.3059	0.1530	0.013
Crawler Tractors	2015	2015Crawler Tractors250	250	0.4510	6.14312	1.81586	0.2370	0.2180	0.0050	512.8973	0.1530	0.013
Crawler Tractors	2015	2015Crawler Tractors500	500	0.408	5.48324	2.84505	0.2120	0.1950	0.0050	515.3725	0.1540	0.013
Crawler Tractors	2015	2015Crawler Tractors750	750	0.3510	4.88301	1.66415	0.1790	0.1650	0.0050	512.5402	0.153	0.013
Crawler Tractors	2015	2015Crawler Tractors1000	1000	0.479	7.46329	2.08783	0.22	0.2020	0.0050	514.83	0.1540	0.013
Crawler Tractors	2016	2016Crawler Tractors50	50	2.5190	6.31718	8.10441	0.7330	0.6740	0.0050	553.214	0.1670	0.014
Crawler Tractors	2016	2016Crawler Tractors120	120	0.8690	7.34589	4.18548	0.619	0.5700	0.0050	511.268	0.1540	0.013
Crawler Tractors	2016	2016Crawler Tractors175	175	0.6240	6.7205	3.48211	0.3710	0.3410	0.0050	506.0335	0.1530	0.013
Crawler Tractors	2016	2016Crawler Tractors250	250	0.4490	6.04745	1.80295	0.2330	0.2150	0.0050	507.355	0.153	0.013
Crawler Tractors	2016	2016Crawler Tractors500	500	0.3980	5.27907	2.74397	0.2050	0.1880	0.0050	510.3385	0.1540	0.013
Crawler Tractors	2016	2016Crawler Tractors750	750	0.3460	4.7238	1.6206	0.1740	0.1600	0.0050	507.2527	0.153	0.013
Crawler Tractors	2016	2016Crawler Tractors1000	1000	0.4830	7.4988	2.09448	0.2220	0.204	0.0050	509.6671	0.1540	0.013
Crawler Tractors	2017	2017Crawler Tractors50	50	2.4590	6.20834	8.00596	0.7120	0.6550	0.0050	544.6762	0.1670	0.014
Crawler Tractors	2017	2017Crawler Tractors120	120	0.8490	7.141	4.17611	0.6040	0.5550	0.0050	503.2791	0.1540	0.013
Crawler Tractors	2017	2017Crawler Tractors175	175	0.6140	6.55188	3.48322	0.3640	0.3350	0.0050	498.1245	0.1530	0.013
Crawler Tractors	2017	2017Crawler Tractors250	250	0.4300	5.75969	1.7418	0.2200	0.2020	0.0050	499.832	0.1530	0.013
Crawler Tractors	2017	2017Crawler Tractors500	500	0.3850	5.02932	2.6349	0.1950	0.1790	0.0050	502.422	0.1540	0.013
Crawler Tractors	2017	2017Crawler Tractors750	750	0.3240	4.36108	1.5221	0.1600	0.1470	0.0050	499.1046	0.1530	0.013
Crawler Tractors	2017	2017Crawler Tractors1000	1000	0.4860	7.53226	2.10018	0.2230	0.2050	0.0050	501.8777	0.1540	0.013
Crawler Tractors	2018	2018Crawler Tractors50	50	2.4450	6.16323	8.0094	0.7040	0.6470	0.0050	536.1409	0.1670	0.014
Crawler Tractors	2018	2018Crawler Tractors120	120	0.7980	6.72257	4.1231	0.5660	0.5200	0.0050	494.9217	0.1540	0.013
Crawler Tractors	2018	2018Crawler Tractors175	175	0.5550	5.8588	3.42131	0.3250	0.2990	0.0050	490.0002	0.1530	0.012
Crawler Tractors	2018	2018Crawler Tractors250	250	0.3980	5.28959	1.65354	0.2000	0.1840	0.0050	491.606	0.153	0.013
Crawler Tractors	2018	2018Crawler Tractors500	500	0.344	4.37324	2.38218	0.1690	0.1560	0.0050	493.5104	0.1540	0.013
Crawler Tractors	2018	2018Crawler Tractors750	750	0.2960	3.8336	1.4447	0.1410	0.1300	0.0050	491.2659	0.1530	0.013
Crawler Tractors	2018	2018Crawler Tractors1000	1000	0.4890	7.56366	2.10483	0.2250	0.2070	0.0050	494.1052	0.1540	0.013
Crawler Tractors	2019	2019Crawler Tractors50	50	2.2250	5.85476	7.58896	0.6400	0.5890	0.0050	525.9767	0.1660	0.013
Crawler Tractors	2019	2019Crawler Tractors120	120	0.7570	6.39347	4.08842	0.5350	0.4920	0.0050	486.9909	0.1540	0.012
Crawler Tractors	2019	2019Crawler Tractors175	175	0.5170	5.38191	3.37886	0.3000	0.2760	0.0050	481.6222	0.1520	0.012
Crawler Tractors	2019	2019Crawler Tractors250	250	0.3800	4.9721	1.60445	0.1870	0.1720	0.0050	483.4489	0.153	0.012
Crawler Tractors	2019	2019Crawler Tractors500	500	0.3190	3.93412	2.21938	0.1530	0.1410	0.0050	485.8645	0.1540	0.012
Crawler Tractors	2019	2019Crawler Tractors750	750	0.2660	3.34253	1.35585	0.123	0.1130	0.0050	483.3879	0.1530	0.012
Crawler Tractors	2019	2019Crawler Tractors1000	1000	0.4600	7.21215	2.02037	0.2110	0.1940	0.0050	486.2545	0.1540	0.012
Crawler Tractors	2020	2020Crawler Tractors50	50	2.0530	5.64276	7.3	0.5910	0.5440	0.0050	515.679	0.1670	0.013
Crawler Tractors	2020	2020Crawler Tractors120	120	0.7150	6.00933	4.04412	0.5000	0.4600	0.0050	476.3284	0.1540	0.012
Crawler Tractors	2020	2020Crawler Tractors175	175	0.4760	4.87226	3.33989	0.2720	0.2500	0.0050	471.015	0.1520	0.012
Crawler Tractors	2020	2020Crawler Tractors250	250	0.36	4.63225	1.55491	0.1750	0.1610	0.0050	472.941	0.153	0.012
Crawler Tractors	2020	2020Crawler Tractors500	500	0.3010	3.62175	2.0875	0.1410	0.1300	0.0050	475.2338	0.1540	0.012
Crawler Tractors	2020	2020Crawler Tractors750	750	0.2560	3.13716	1.31018	0.1150	0.1060	0.0050	473.3119	0.1530	0.012
Crawler Tractors	2020	2020Crawler Tractors1000	1000	0.463	7.23682	2.02764	0.212	0.195	0.0050	475.6525	0.1540	0.012
Crawler Tractors	2021	2021Crawler Tractors50	50	2.064	5.61511	7.34869	0.5910	0.5430	0.0050	516.1077	0.1670	0.013
Crawler Tractors	2021	2021Crawler Tractors120	120	0.6730	5.65746	4.00549	0.4660	0.4280	0.0050	476.437	0.1540	0.012
Crawler Tractors	2021	2021Crawler Tractors175	175	0.4360	4.3947	3.30982	0.2450	0.225	0.0050	471.421	0.1520	0.012
Crawler Tractors	2021	2021Crawler Tractors250	250	0.3430	4.33394	1.51456	0.1630	0.15	0.0050	472.9246	0.153	0.012
Crawler Tractors	2021	2021Crawler Tractors500	500	0.2830	3.27633	2.02434	0.129	0.1190	0.0050	474.4843	0.1530	0.012
Crawler Tractors	2021	2021Crawler Tractors750	750	0.2390	2.82478	1.26985	0.1040	0.0950	0.0050	473.0941	0.153	0.012
Crawler Tractors	2021	2021Crawler Tractors1000	1000	0.3990	6.3992	1.89563	0.1820	0.1670	0.0050	471.8224	0.1530	0.012
Crawler Tractors	2022	2022Crawler Tractors50	50	1.8990	5.37962	7.04118	0.5390	0.4960	0.0050	516.1476	0.1670	0.013
Crawler Tractors	2022	2022Crawler Tractors120	120	0.6000	5.10103	3.92498	0.4080	0.3750	0.0050	476.0219	0.154	0.012
Crawler Tractors	2022	2022Crawler Tractors175	175	0.3890	3.82659	3.26382	0.2140	0.1970	0.0050	471.5674	0.1530	0.012
Crawler Tractors	2022	2022Crawler Tractors250	250	0.306	3.73672	1.43975	0.141	0.1300	0.0050	472.0975	0.1530	0.012
Crawler Tractors	2022	2022Crawler Tractors500	500	0.2540	2.74435	1.91628	0.1110	0.1020	0.0050	474.4115	0.1530	0.012
Crawler Tractors	2022	2022Crawler Tractors750	750	0.1980	2.12552	1.18638	0.0790	0.073	0.0050	472.876	0.1530	0.012
Crawler Tractors	2022	2022Crawler Tractors1000	1000	0.3570	5.92299	1.73227	0.1620	0.1490	0.0050	470.7007	0.1520	0.012
Crawler Tractors	2023	2023Crawler Tractors50	50	1.8730	5.32514	7.02687	0.5260	0.4840	0.0050	516.1587	0.1670	0.013
Crawler Tractors	2023	2023Crawler Tractors120	120	0.5580	4.76208	3.88936	0.3730	0.343	0.0050	476.1575	0.154	0.012
Crawler Tractors	2023	2023Crawler Tractors175	175	0.3470	3.33004	3.23526	0.1850	0.1700	0.0050	471.7805	0.1530	0.012
Crawler Tractors	2023	2023Crawler Tractors250	250	0.2760	3.18735	1.39549	0.1240	0.1140	0.0050	471.6244	0.1530	0.012
Crawler Tractors	2023	2023Crawler Tractors500	500	0.2410	2.47635	1.85216	0.1020	0.0940	0.0050	474.6128	0.1530	0.012
Crawler Tractors	2023	2023Crawler Tractors750	750	0.1840	1.86667	1.15892	0.0690	0.0640	0.0050	472.5297	0.1530	0.012
Crawler Tractors	2023	2023Crawler Tractors1000	1000	0.2680	4.76968	1.6104	0.1180	0.1090	0.0050	473.6655	0.1530	0.012
Crawler Tractors	2024	2024Crawler Tractors50	50	1.756	4.97522	6.68497	0.4660	0.4290	0.0050	515.4658	0.1670	0.013
Crawler Tractors	2024	2024Crawler Tractors120	120	0.5130	4.40892	3.85173	0.3350	0.3090	0.0050	476.2342	0.154	0.012
Crawler Tractors	2024	2024Crawler Tractors175	175	0.3260	3.04107	3.22706	0.1700	0.1570	0.0050	471.8291	0.1530	0.012
Crawler Tractors	2024	2024Crawler Tractors250	250	0.2640	2.95319	1.36992	0.1150	0.1050	0.0050	471.8603	0.1530	0.012
Crawler Tractors	2024	2024Crawler Tractors500	500	0.2280	2.2441	1.77984	0.0930	0.0850	0.0050	474.025	0.1530	0.012
Crawler Tractors	2024	2024Crawler Tractors750	750	0.1810	1.76658	1.15921	0.066	0.0610	0.0050	472.2827	0.1530	0.012
Crawler Tractors	2024	2024Crawler Tractors1000	1000	0.2630	4.68945	1.58774	0.1150	0.1060	0.0050	474.6448	0.1540	0.012
Crawler Tractors	2025	2025Crawler Tractors50	50	1.7440	4.93567	6.68642	0.4560	0.4200	0.0050	516.1279	0.1670	0.013
Crawler Tractors	2025	2025Crawler Tractors120	120	0.454	3.96126	3.78839	0.2850	0.262	0.0050	476.1336	0.154	0.012
Crawler Tractors	2025	2025Crawler Tractors175	175	0.2980	2.68768	3.20909	0.15	0.138	0.0050	471.5923	0.1530	0.012
Crawler Tractors	2025	2025Crawler Tractors250	250	0.2320	2.46158	1.30849	0.0960	0.0880	0.0050	471.6224	0.1530	0.012
Crawler Tractors	2025	2025Crawler Tractors500	500	0.2080	1.92007	1.71697	0.0810	0.0740	0.0050	474.0072	0.1530	0.012
Crawler Tractors	2025	2025Crawler Tractors750	750	0.167	1.54452	1.12199	0.0570	0.0520	0.0050	472.4081	0.1530	0.012
Crawler Tractors	2025	2025Crawler Tractors1000	1000	0.2600	4.59799	1.59298	0.1110	0.1030	0.0050	475.4901	0.1540	0.012
Crawler Tractors	2030	2030Crawler Tractors50	50	0.833	3.808	5.605	0.116	0.116	0.007	568.299	0.075	0.014
Crawler Tractors	2030	2030Crawler Tractors120	120	0.405	2.341	3.871	0.105	0.105	0.006	568.299	0.036	0.014
Crawler Tractors	2030	2030Crawler Tractors175	175	0.296	1.266	3.397	0.065	0.065	0.006	568.299	0.026	0.014
Crawler Tractors	2030	2030Crawler Tractors250	250	0.262	1.104	1.207	0.04	0.04	0.006	568.299	0.023	0.014
Crawler Tractors	2030	2030Crawler Tractors500	500	0.257	1.016	1.2	0.038	0.038	0.005	568.299	0.023	0.014
Crawler Tractors	2030	2030Crawler Tractors750	750	0.257	1.033	1.2	0.038	0.038	0.005	568.299	0.023	0.014
Crawler Tractors	2030	2030Crawler Tractors1000	1000	0.265	3.094	1.225	0.056	0.056	0.005	568.3	0.023	0.014
Crawler Tractors	2035	2035Crawler Tractors50	50	0.708	3.558	5.493	0.066	0.066	0.007	568.299	0.063	0.014
Crawler Tractors	2035	2035Crawler Tractors120	120	0.345	1.922	3.85	0.06	0.06	0.006	568.299	0.031	0.014
Crawler Tractors	2035	2035Crawler Tractors175	175	0.247	0.794	3.391	0.038	0.038	0.006	568.299	0.022	0.014
Crawler Tractors	2035	2035Crawler Tractors250	250	0.229	0.695	1.182	0.026	0.026	0.006	568.299	0.02	0.014
Crawler Tractors	2035	2035Crawler Tractors500	500	0.227	0.657	1.145	0.025	0.025	0.005	568.299	0.02	0.014
Crawler Tractors	2035	2035Crawler Tractors750	750	0.227	0.664	1.145	0.025	0.025	0.005	568.299	0.02	0.014
Crawler Tractors	2035	2035Crawler Tractors1000	1000	0.231	2.792	1.159	0.041	0.041	0.005	568.299	0.02	0.014
Crawler Tractors	2040	2040Crawler Tractors50	50	0.653	3.42	5.443	0.042	0.042	0.007	568.299	0.058	0.014
Crawler Tractors	2040	2040Crawler Tractors120	120	0.316	1.709	3.839	0.039	0.039	0.006	568.299	0.028	0.014
Crawler Tractors	2040	2040Crawler Tractors175	175	0.221	0.539	3.388	0.025	0.025	0.006	568.299	0.02	0.014
Crawler Tractors	2040	2040Crawler Tractors250	250	0.211	0.491	1.167	0.018	0.018	0.006	568.299	0.019	0.014
Crawler Tractors	2040	2040Crawler Tractors500	500	0.21	0.47	1.113	0.018	0.018	0.005	568.299	0.018	0.014
Crawler Tractors	2040	2040Crawler Tractors750	750	0.21	0.475	1.113	0.018	0.018	0.005	568.299	0.019	0.014
Crawler Tractors	2040	2040Crawler Tractors1000	1000	0.213	2.652	1.122	0.032	0.032	0.005	568.299	0.019	0.014
Crushing/Proc. Equipment	1990	1990Crushing/Proc. Equipment50	50	4.43	7.809	9.044	1.194	1.194	0.871	568.299	0.399	0.014
Crushing/Proc. Equipment	1990	1990Crushing/Proc. Equipment120	120	2.255	14.555	5.547	1.258	1.258	0.791	568.299	0.203	0.014
Crushing/Proc. Equipment	1990	1990Crushing/Proc. Equipment175	175	1.54	13.086	4.913	0.834	0.834	0.758	568.299	0.138	0.014
Crushing/Proc. Equipment	1990	1990Crushing/Proc. Equipment250	250	1.54	13.086	4.913	0.834	0.834	0.758	568.299	0.138	0.014
Crushing/Proc. Equipment	1990	1990Crushing/Proc. Equipment500	500	1.374	12.492	10.176	0.724	0.724	0.662	568.299	0.124	0.014
Crushing/Proc. Equipment	1990	1990Crushing/Proc. Equipment750	750	1.374	12.492	10.175	0.737	0.737	1.018	568.299	0.124	0.014
Crushing/Proc. Equipment	1990	1990Crushing/Proc. Equipment9999	9999	1.369	12.492	10.175	0.731	0.731	1.018	568.299	0.123	0.014
Crushing/Proc. Equipment	2000	2000Crushing/Proc. Equipment50	50	4.12	6.954	8.551	0.876	0.876	0.066	568.299	0.371	0.014
Crushing/Proc. Equipment	2000	2000Crushing/Proc. Equipment120	120	1.802	10.363	4.594	0.857	0.857	0.06	568.299	0.162	0.014
Crushing/Proc. Equipment	2000	2000Crushing/Proc. Equipment175	175	1.206	9.416	3.737	0.506	0.506	0.057	568.299	0.108	0.014
Crushing/Proc. Equipment	2000	2000Crushing/Proc. Equipment250	250	1.008	9.058	2.963	0.414	0.414	0.057	568.299	0.09	0.014
Crushing/Proc. Equipment	2000	2000Crushing/Proc. Equipment500	500	0.918	8.658	5.011	0.366	0.366	0.05	568.299	0.082	0.014
Crushing/Proc. Equipment	2000	2000Crushing/Proc. Equipment750	750	0.88	8.459	4.658	0.348	0.348	0.052	568.299	0.079	0.014
Crushing/Proc. Equipment	2000	2000Crushing/Proc. Equipment9999	9999	0.989	9.138	5.329	0.37	0.37	0.052	568.299	0.089	0.014
Crushing/Proc. Equipment	2005	2005Crushing/Proc. Equipment50	50	3.662	6.477	7.904	0.812	0.812	0.066	568.3	0.33	0.014
Crushing/Proc. Equipment	2005	2005Crushing/Proc. Equipment120	120	1.54	8.68	4.24	0.794	0.794	0.06	568.299	0.138	0.014
Crushing/Proc. Equipment	2005	2005Crushing/Proc. Equipment175	175	1.007	7.941	3.372	0.438	0.438	0.057	568.299	0.09	0.014
Crushing/Proc. Equipment	2005	2005Crushing/Proc. Equipment250	250	0.712	7.484	1.97	0.282	0.282	0.057	568.299	0.064	0.014
Crushing/Proc. Equipment	2005	2005Crushing/Proc. Equipment500	500	0.628	6.846	2.549	0.252	0.252	0.05	568.299	0.056	0.014
Crushing/Proc. Equipment	2005	2005Crushing/Proc. Equipment750	750	0.632	6.974	2.431	0.249	0.249	0.052	568.299	0.057	0.014
Crushing/Proc. Equipment	2005	2005Crushing/Proc. Equipment9999	9999	0.771	8.054	3.042	0.268	0.268	0.052	568.299	0.069	0.014
Crushing/Proc. Equipment	2010	2010Crushing/Proc. Equipment50	50	2.931	6.068	7.22	0.671	0.671	0.007	568.299	0.264	0.014
Crushing/Proc. Equipment	2010	2010Crushing/Proc. Equipment120	120	1.203	7.096	4.071	0.656	0.656	0.006	568.299	0.108	0.014

Crushing/Proc. Equipment	2010	2010Crushing/Proc. Equipment175	175	0.804	6.322	3.307	0.362	0.362	0.006	568.299	0.072	0.014
Crushing/Proc. Equipment	2010	2010Crushing/Proc. Equipment250	250	0.521	5.918	1.446	0.195	0.195	0.006	568.299	0.047	0.014
Crushing/Proc. Equipment	2010	2010Crushing/Proc. Equipment500	500	0.47	5.248	1.603	0.18	0.18	0.005	568.299	0.042	0.014
Crushing/Proc. Equipment	2010	2010Crushing/Proc. Equipment750	750	0.478	5.449	1.568	0.183	0.183	0.005	568.299	0.043	0.014
Crushing/Proc. Equipment	2010	2010Crushing/Proc. Equipment9999	9999	0.601	6.987	2.091	0.209	0.209	0.005	568.299	0.054	0.014
Crushing/Proc. Equipment	2011	2011Crushing/Proc. Equipment50	50	2.722	5.972	6.995	0.636	0.636	0.007	568.299	0.245	0.014
Crushing/Proc. Equipment	2011	2011Crushing/Proc. Equipment120	120	1.125	6.704	4.03	0.625	0.625	0.006	568.3	0.101	0.014
Crushing/Proc. Equipment	2011	2011Crushing/Proc. Equipment175	175	0.759	5.953	3.294	0.347	0.347	0.006	568.299	0.068	0.014
Crushing/Proc. Equipment	2011	2011Crushing/Proc. Equipment250	250	0.483	5.498	1.356	0.175	0.175	0.006	568.299	0.043	0.014
Crushing/Proc. Equipment	2011	2011Crushing/Proc. Equipment500	500	0.439	4.858	1.462	0.162	0.162	0.005	568.299	0.039	0.014
Crushing/Proc. Equipment	2011	2011Crushing/Proc. Equipment750	750	0.446	5.054	1.435	0.165	0.165	0.005	568.299	0.04	0.014
Crushing/Proc. Equipment	2011	2011Crushing/Proc. Equipment9999	9999	0.564	6.609	1.923	0.196	0.196	0.005	568.299	0.05	0.014
Crushing/Proc. Equipment	2012	2012Crushing/Proc. Equipment50	50	2.488	5.867	6.733	0.596	0.596	0.007	568.299	0.224	0.014
Crushing/Proc. Equipment	2012	2012Crushing/Proc. Equipment120	120	1.042	6.269	3.984	0.582	0.582	0.006	568.299	0.094	0.014
Crushing/Proc. Equipment	2012	2012Crushing/Proc. Equipment175	175	0.709	5.553	3.28	0.321	0.321	0.006	568.299	0.064	0.014
Crushing/Proc. Equipment	2012	2012Crushing/Proc. Equipment250	250	0.453	5.088	1.299	0.158	0.158	0.006	568.299	0.04	0.014
Crushing/Proc. Equipment	2012	2012Crushing/Proc. Equipment500	500	0.415	4.48	1.362	0.147	0.147	0.005	568.3	0.037	0.014
Crushing/Proc. Equipment	2012	2012Crushing/Proc. Equipment750	750	0.42	4.662	1.341	0.15	0.15	0.005	568.299	0.037	0.014
Crushing/Proc. Equipment	2012	2012Crushing/Proc. Equipment9999	9999	0.526	6.197	1.755	0.182	0.182	0.005	568.299	0.047	0.014
Crushing/Proc. Equipment	2013	2013Crushing/Proc. Equipment50	50	2.248	5.628	6.467	0.545	0.545	0.007	568.299	0.202	0.014
Crushing/Proc. Equipment	2013	2013Crushing/Proc. Equipment120	120	0.958	5.845	3.94	0.532	0.532	0.006	568.299	0.086	0.014
Crushing/Proc. Equipment	2013	2013Crushing/Proc. Equipment175	175	0.659	5.177	3.267	0.293	0.293	0.006	568.299	0.059	0.014
Crushing/Proc. Equipment	2013	2013Crushing/Proc. Equipment250	250	0.429	4.695	1.26	0.144	0.144	0.006	568.299	0.038	0.014
Crushing/Proc. Equipment	2013	2013Crushing/Proc. Equipment500	500	0.396	4.121	1.289	0.134	0.134	0.005	568.299	0.035	0.014
Crushing/Proc. Equipment	2013	2013Crushing/Proc. Equipment750	750	0.399	4.285	1.273	0.136	0.136	0.005	568.299	0.036	0.014
Crushing/Proc. Equipment	2013	2013Crushing/Proc. Equipment9999	9999	0.489	5.785	1.599	0.168	0.168	0.005	568.299	0.044	0.014
Crushing/Proc. Equipment	2014	2014Crushing/Proc. Equipment50	50	2.012	5.399	6.212	0.494	0.494	0.007	568.299	0.181	0.014
Crushing/Proc. Equipment	2014	2014Crushing/Proc. Equipment120	120	0.877	5.468	3.898	0.481	0.481	0.006	568.299	0.079	0.014
Crushing/Proc. Equipment	2014	2014Crushing/Proc. Equipment175	175	0.612	4.823	3.256	0.265	0.265	0.006	568.299	0.055	0.014
Crushing/Proc. Equipment	2014	2014Crushing/Proc. Equipment250	250	0.405	4.239	1.228	0.13	0.13	0.006	568.299	0.036	0.014
Crushing/Proc. Equipment	2014	2014Crushing/Proc. Equipment500	500	0.377	3.702	1.23	0.121	0.121	0.005	568.299	0.034	0.014
Crushing/Proc. Equipment	2014	2014Crushing/Proc. Equipment750	750	0.378	3.844	1.218	0.123	0.123	0.005	568.299	0.034	0.014
Crushing/Proc. Equipment	2014	2014Crushing/Proc. Equipment9999	9999	0.456	5.391	1.46	0.155	0.155	0.005	568.299	0.041	0.014
Crushing/Proc. Equipment	2015	2015Crushing/Proc. Equipment50	50	1.796	5.195	5.996	0.446	0.446	0.007	568.299	0.162	0.014
Crushing/Proc. Equipment	2015	2015Crushing/Proc. Equipment120	120	0.797	5.04	3.859	0.43	0.43	0.006	568.299	0.071	0.014
Crushing/Proc. Equipment	2015	2015Crushing/Proc. Equipment175	175	0.562	4.343	3.247	0.237	0.237	0.006	568.299	0.05	0.014
Crushing/Proc. Equipment	2015	2015Crushing/Proc. Equipment250	250	0.382	3.801	1.201	0.117	0.117	0.006	568.299	0.034	0.014
Crushing/Proc. Equipment	2015	2015Crushing/Proc. Equipment500	500	0.358	3.304	1.184	0.109	0.109	0.005	568.299	0.032	0.014
Crushing/Proc. Equipment	2015	2015Crushing/Proc. Equipment750	750	0.358	3.422	1.176	0.111	0.111	0.005	568.299	0.032	0.014
Crushing/Proc. Equipment	2015	2015Crushing/Proc. Equipment9999	9999	0.422	5.019	1.343	0.14	0.14	0.005	568.299	0.038	0.014
Crushing/Proc. Equipment	2016	2016Crushing/Proc. Equipment50	50	1.593	5.006	5.801	0.399	0.399	0.007	568.299	0.143	0.014
Crushing/Proc. Equipment	2016	2016Crushing/Proc. Equipment120	120	0.72	4.631	3.823	0.379	0.379	0.006	568.299	0.065	0.014
Crushing/Proc. Equipment	2016	2016Crushing/Proc. Equipment175	175	0.513	3.883	3.241	0.21	0.21	0.006	568.299	0.046	0.014
Crushing/Proc. Equipment	2016	2016Crushing/Proc. Equipment250	250	0.36	3.381	1.178	0.105	0.105	0.006	568.299	0.032	0.014
Crushing/Proc. Equipment	2016	2016Crushing/Proc. Equipment500	500	0.34	2.928	1.146	0.098	0.098	0.005	568.299	0.03	0.014
Crushing/Proc. Equipment	2016	2016Crushing/Proc. Equipment750	750	0.339	3.021	1.14	0.099	0.099	0.005	568.299	0.03	0.014
Crushing/Proc. Equipment	2016	2016Crushing/Proc. Equipment9999	9999	0.397	4.7	1.274	0.127	0.127	0.005	568.299	0.035	0.014
Crushing/Proc. Equipment	2017	2017Crushing/Proc. Equipment50	50	1.402	4.827	5.623	0.354	0.354	0.007	568.299	0.126	0.014
Crushing/Proc. Equipment	2017	2017Crushing/Proc. Equipment120	120	0.647	4.244	3.791	0.33	0.33	0.006	568.299	0.058	0.014
Crushing/Proc. Equipment	2017	2017Crushing/Proc. Equipment175	175	0.468	3.45	3.236	0.185	0.185	0.006	568.299	0.042	0.014
Crushing/Proc. Equipment	2017	2017Crushing/Proc. Equipment250	250	0.34	2.987	1.16	0.094	0.094	0.006	568.299	0.03	0.014
Crushing/Proc. Equipment	2017	2017Crushing/Proc. Equipment500	500	0.324	2.602	1.118	0.088	0.088	0.005	568.299	0.029	0.014
Crushing/Proc. Equipment	2017	2017Crushing/Proc. Equipment750	750	0.323	2.664	1.114	0.088	0.088	0.005	568.299	0.029	0.014
Crushing/Proc. Equipment	2017	2017Crushing/Proc. Equipment9999	9999	0.378	4.423	1.231	0.117	0.117	0.005	568.299	0.034	0.014
Crushing/Proc. Equipment	2018	2018Crushing/Proc. Equipment50	50	1.225	4.657	5.461	0.31	0.31	0.007	568.299	0.11	0.014
Crushing/Proc. Equipment	2018	2018Crushing/Proc. Equipment120	120	0.58	3.881	3.763	0.284	0.284	0.006	568.299	0.052	0.014
Crushing/Proc. Equipment	2018	2018Crushing/Proc. Equipment175	175	0.427	3.049	3.234	0.161	0.161	0.006	568.299	0.038	0.014
Crushing/Proc. Equipment	2018	2018Crushing/Proc. Equipment250	250	0.322	2.622	1.146	0.083	0.083	0.006	568.299	0.029	0.014
Crushing/Proc. Equipment	2018	2018Crushing/Proc. Equipment500	500	0.309	2.312	1.099	0.079	0.079	0.005	568.299	0.027	0.014
Crushing/Proc. Equipment	2018	2018Crushing/Proc. Equipment750	750	0.308	2.358	1.097	0.079	0.079	0.005	568.299	0.027	0.014
Crushing/Proc. Equipment	2018	2018Crushing/Proc. Equipment9999	9999	0.361	4.168	1.198	0.107	0.107	0.005	568.299	0.032	0.014
Crushing/Proc. Equipment	2019	2019Crushing/Proc. Equipment50	50	1.064	4.495	5.316	0.269	0.269	0.007	568.299	0.096	0.014
Crushing/Proc. Equipment	2019	2019Crushing/Proc. Equipment120	120	0.519	3.544	3.739	0.241	0.241	0.006	568.299	0.046	0.014
Crushing/Proc. Equipment	2019	2019Crushing/Proc. Equipment175	175	0.394	2.7	3.233	0.141	0.141	0.006	568.299	0.035	0.014
Crushing/Proc. Equipment	2019	2019Crushing/Proc. Equipment250	250	0.304	2.3	1.134	0.074	0.074	0.006	568.299	0.027	0.014
Crushing/Proc. Equipment	2019	2019Crushing/Proc. Equipment500	500	0.295	2.046	1.087	0.071	0.071	0.005	568.299	0.026	0.014
Crushing/Proc. Equipment	2019	2019Crushing/Proc. Equipment750	750	0.294	2.085	1.085	0.071	0.071	0.005	568.299	0.026	0.014
Crushing/Proc. Equipment	2019	2019Crushing/Proc. Equipment9999	9999	0.345	3.927	1.173	0.098	0.098	0.005	568.299	0.031	0.014
Crushing/Proc. Equipment	2020	2020Crushing/Proc. Equipment50	50	0.947	4.347	5.211	0.233	0.233	0.007	568.299	0.085	0.014
Crushing/Proc. Equipment	2020	2020Crushing/Proc. Equipment120	120	0.473	3.249	3.722	0.206	0.206	0.006	568.299	0.042	0.014
Crushing/Proc. Equipment	2020	2020Crushing/Proc. Equipment175	175	0.367	2.392	3.234	0.124	0.124	0.006	568.299	0.033	0.014
Crushing/Proc. Equipment	2020	2020Crushing/Proc. Equipment250	250	0.289	2.014	1.125	0.065	0.065	0.006	568.299	0.026	0.014
Crushing/Proc. Equipment	2020	2020Crushing/Proc. Equipment500	500	0.281	1.799	1.078	0.063	0.063	0.005	568.299	0.025	0.014
Crushing/Proc. Equipment	2020	2020Crushing/Proc. Equipment750	750	0.281	1.835	1.077	0.063	0.063	0.005	568.299	0.025	0.014
Crushing/Proc. Equipment	2020	2020Crushing/Proc. Equipment9999	9999	0.329	3.699	1.153	0.089	0.089	0.005	568.299	0.029	0.014
Crushing/Proc. Equipment	2021	2021Crushing/Proc. Equipment50	50	0.862	4.211	5.136	0.201	0.201	0.007	568.299	0.077	0.014
Crushing/Proc. Equipment	2021	2021Crushing/Proc. Equipment120	120	0.438	2.989	3.711	0.178	0.178	0.006	568.299	0.039	0.014
Crushing/Proc. Equipment	2021	2021Crushing/Proc. Equipment175	175	0.344	2.114	3.235	0.109	0.109	0.006	568.299	0.031	0.014
Crushing/Proc. Equipment	2021	2021Crushing/Proc. Equipment250	250	0.274	1.756	1.119	0.057	0.057	0.006	568.299	0.024	0.014
Crushing/Proc. Equipment	2021	2021Crushing/Proc. Equipment500	500	0.268	1.574	1.072	0.055	0.055	0.005	568.3	0.024	0.014
Crushing/Proc. Equipment	2021	2021Crushing/Proc. Equipment750	750	0.268	1.606	1.072	0.055	0.055	0.005	568.299	0.024	0.014
Crushing/Proc. Equipment	2021	2021Crushing/Proc. Equipment9999	9999	0.314	3.487	1.136	0.08	0.08	0.005	568.299	0.028	0.014
Crushing/Proc. Equipment	2022	2022Crushing/Proc. Equipment50	50	0.795	4.083	5.081	0.172	0.172	0.007	568.299	0.071	0.014
Crushing/Proc. Equipment	2022	2022Crushing/Proc. Equipment120	120	0.41	2.758	3.704	0.154	0.154	0.006	568.299	0.037	0.014
Crushing/Proc. Equipment	2022	2022Crushing/Proc. Equipment175	175	0.323	1.861	3.237	0.095	0.095	0.006	568.299	0.029	0.014
Crushing/Proc. Equipment	2022	2022Crushing/Proc. Equipment250	250	0.26	1.521	1.114	0.05	0.05	0.006	568.299	0.023	0.014
Crushing/Proc. Equipment	2022	2022Crushing/Proc. Equipment500	500	0.255	1.389	1.067	0.048	0.048	0.005	568.299	0.023	0.014
Crushing/Proc. Equipment	2022	2022Crushing/Proc. Equipment750	750	0.256	1.416	1.067	0.048	0.048	0.005	568.299	0.023	0.014
Crushing/Proc. Equipment	2022	2022Crushing/Proc. Equipment9999	9999	0.3	3.31	1.121	0.073	0.073	0.005	568.299	0.027	0.014
Crushing/Proc. Equipment	2023	2023Crushing/Proc. Equipment50	50	0.739	3.962	5.039	0.146	0.146	0.007	568.299	0.066	0.014
Crushing/Proc. Equipment	2023	2023Crushing/Proc. Equipment120	120	0.385	2.552	3.7	0.132	0.132	0.006	568.299	0.034	0.014
Crushing/Proc. Equipment	2023	2023Crushing/Proc. Equipment175	175	0.304	1.654	3.24	0.083	0.083	0.006	568.299	0.027	0.014
Crushing/Proc. Equipment	2023	2023Crushing/Proc. Equipment250	250	0.248	1.33	1.111	0.043	0.043	0.006	568.299	0.022	0.014
Crushing/Proc. Equipment	2023	2023Crushing/Proc. Equipment500	500	0.244	1.227	1.064	0.042	0.042	0.005	568.299	0.022	0.014
Crushing/Proc. Equipment	2023	2023Crushing/Proc. Equipment750	750	0.244	1.251	1.065	0.042	0.042	0.005	568.3	0.022	0.014
Crushing/Proc. Equipment	2023	2023Crushing/Proc. Equipment9999	9999	0.287	3.16	1.107	0.066	0.066	0.005	568.299	0.025	0.014
Crushing/Proc. Equipment	2024	2024Crushing/Proc. Equipment50	50	0.694	3.85	5.008	0.125	0.125	0.007	568.299	0.062	0.014
Crushing/Proc. Equipment	2024	2024Crushing/Proc. Equipment120	120	0.364	2.389	3.697	0.112	0.112	0.006	568.299	0.032	0.014
Crushing/Proc. Equipment	2024	2024Crushing/Proc. Equipment175	175	0.287	1.472	3.243	0.071	0.071	0.006	568.299	0.025	0.014
Crushing/Proc. Equipment	2024	2024Crushing/Proc. Equipment250	250	0.236	1.165	1.109	0.036	0.036	0.006	568.299	0.021	0.014
Crushing/Proc. Equipment	2024	2024Crushing/Proc. Equipment500	500	0.232	1.077	1.062	0.035	0.035	0.005	568.299	0.021	0.014
Crushing/Proc. Equipment	2024	2024Crushing/Proc. Equipment750	750	0.233	1.098	1.063	0.036	0.036	0.005	568.299	0.021	0.014
Crushing/Proc. Equipment	2024	2024Crushing/Proc. Equipment9999	9999	0.274	3.029	1.096	0.059	0.059	0.005	568.299	0.024	0.014
Crushing/Proc. Equipment	2025	2025Crushing/Proc. Equipment50	50	0.656	3.742	4.982	0.107	0.107	0.007	568.299	0.059	0.014
Crushing/Proc. Equipment	2025	2025Crushing/Proc. Equipment120	120	0.345	2.248	3.694	0.095	0.095	0.006	568.299	0.031	0.014
Crushing/Proc. Equipment	2025	2025Crushing/Proc. Equipment175	175	0.27	1.301	3.246	0.06	0.06	0.006	568.299	0.024	0.014
Crushing/Proc. Equipment	2025	2025Crushing/Proc. Equipment250	250	0.224	1.012	1.108	0.031	0.031	0.006	568.299	0.02	0.014
Crushing/Proc. Equipment	2025	2025Crushing/Proc. Equipment500	500	0.221	0.937	1.061	0.03	0.03	0.005	568.299	0.02	0.014
Crushing/Proc. Equipment	2025	2025Crushing/Proc. Equipment750	750	0.222	0.955	1.061	0.03	0.03	0.005	568.299	0.02	0.014
Crushing/Proc. Equipment	2025	2025Crushing/Proc. Equipment9999	9999	0.261	2.91	1.087	0.053	0.053	0.005	568.299	0.023	0.014
Crushing/Proc. Equipment	2030	2030Crushing/Proc. Equipment50	50	0.525	3.351	4.857	0.043	0.043	0.007	568.299	0.047	0.014
Crushing/Proc. Equipment	2030	2030Crushing/Proc. Equipment120	120	0.272	1.708	3.673	0.038	0.038	0.006	568.299	0.024	0.014
Crushing/Proc. Equipment	2030	2030Crushing/Proc. Equipment175	175	0.197	0.6	3.244	0.025	0.025	0.006	568.299	0.017	0.014
Crushing/Proc. Equipment	2030	2030Crushing/Proc. Equipment250	250	0.185	0.502	1.105	0.017	0.017	0.006	568.299	0.016	0.014
Crushing/Proc. Equipment	2030	2030Crushing/Proc. Equipment500	500	0.184	0.476	1.058	0.017	0.017	0.005	568.299	0.016	0.014
Crushing/Proc. Equipment	2030	2030Crushing/Proc. Equipment750	750	0.184	0.478	1.058	0.017	0.017	0.005	568.299	0.016	0.014
Crushing/Proc. Equipment	2030	2030Crushing/Proc. Equipment9999	9999	0.196	2.59	1.059	0.032	0.032	0.005	568.299	0.017	0.014
Crushing/Proc. Equipment	2035	2035Crushing/Proc. Equipment50	50	0.487	3.237	4.819	0.023	0.023	0.007	568.299	0.044	0.014
Crushing/Proc. Equipment	2035	2035Crushing/Proc. Equipment120	120	0.249	1.531	3.665	0.02	0.02	0.006	568.299	0.022	0.014
Crushing/Proc. Equipment	2035	2035Crushing/Proc. Equipment175	175	0.176	0.382	3.242	0.015	0.015	0.006	568.299	0.015	0.014
Crushing/Proc. Equipment	2035	2035Crushing/Proc. Equipment250	250	0.172	0.342	1.104	0.012	0.012	0.006	568.3	0.015	0.014
Crushing/Proc. Equipment	2035	2035Crushing/Proc. Equipment500	500	0.172	0.338	1.058	0.012	0.012	0.005	568.299	0.015	0.014
Crushing/Proc. Equipment	2035	2035Crushing/Proc. Equipment750	750	0.172	0.338	1.058	0.012	0.012	0.005	568.299	0.015	0.014
Crushing/Proc. Equipment	2035	2035Crushing/Proc. Equipment9999	9999	0.177	2.482	1.058	0.026	0.026	0.005	568.299	0.016	0.014
Crushing/Proc. Equipment	2040	2040Crushing/Proc. Equipment50	50	0.488	3.194	4.833	0.017	0.017	0.007	568.299	0.044	0.014
Crushing/Proc. Equipment	2040	2040Crushing/Proc. Equipment120	120	0.245	1.477	3.67	0.015	0.015	0.006	568.299	0.022	0.014
Crushing/Proc. Equipment	2040	2040Crushing/Proc. Equipment175	175	0.17	0.306	3.246	0.012	0.012	0.006	568.299	0.015	0.014
Crushing/Proc. Equipment	2040	2040Crushing/Proc. Equipment250	250	0.168	0.292	1.106	0.011	0.011	0.006	568.299	0.015	0.014
Crushing/Proc. Equipment	2040	2040Crushing/Proc. Equipment500	500	0.168	0.292	1.059	0.011	0.011	0.005	568.299	0.015	0.014
Crushing/Proc. Equipment	2040	2040Crushing/Proc. Equipment750	750	0.169	0.292	1.059	0.011	0.011	0.005	568.299	0.015	0.014
Crushing/Proc. Equipment	2040	2040Crushing/Proc. Equipment9999	9999	0.17	2.457	1.059	0.024	0.024	0.005	568.299	0.015	0.014
Dumpers/Tenders	1990	1990Dumpers/Tenders25	25	2.213	6.919	4.999	0.741	0.741	0.855	568.299	0.199	0.014
Dumpers/Tenders	2000	2000Dumpers/Tenders25	25	2.045	6.397	4.69	0.571	0.571	0.065	568.299	0.184	0.014
Dumpers/Tenders	2005	2005Dumpers/Tenders25	25	1.3	5.74	3.337	0.426	0.426	0.065	568.299	0.117	0.014
Dumpers/Tenders	2010	2010Dumpers/Tenders25	25	0.806	4.804	2.507	0.271	0.271	0.007	568.299	0.072	0.014
Dumpers/Tenders	2011	2011Dumpers/Tenders25	25	0.771	4.686	2.456	0.251	0.251	0.007	568.299	0.069	0.014
Dumpers/Tenders	2012	2012Dumpers/Tenders25	25	0.742	4.576	2.416	0.232	0.232	0.007	568.299	0.066	0.014
Dumpers/Tenders	2013	2013Dumpers/Tenders25	25	0.719	4.477	2.385	0.216	0.216	0.007	568.3	0.064	0.014
Dumpers/Tenders	2014	2014Dumpers/Tenders25	25	0.705	4.433	2.364	0.2	0.2	0.007	568.3	0.063	0.014
Dumpers/Tenders	2015	2015Dumpers/Tenders25	25	0.696	4.402	2.35	0.187	0.187	0.007	568.299	0.062	0.014
Dumpers/Tenders	2016	2016Dumpers/Tenders25	25	0.69	4.378	2.342	0.175	0.175	0.007	568.299	0.062	0.014
Dumpers/Tenders	2017	2017Dumpers/Tenders25	25	0.687	4.362	2.34	0.171	0.171	0.007	568.299	0.062	0.014

Dumpers/Tenders	2018	2018Dumpers/Tenders25	25	0.686	4.35	2.339	0.169	0.169	0.007	568.299	0.061	0.014
Dumpers/Tenders	2019	2019Dumpers/Tenders25	25	0.686	4.341	2.339	0.167	0.167	0.007	568.299	0.061	0.014
Dumpers/Tenders	2020	2020Dumpers/Tenders25	25	0.685	4.336	2.339	0.165	0.165	0.007	568.299	0.061	0.014
Dumpers/Tenders	2021	2021Dumpers/Tenders25	25	0.685	4.333	2.339	0.163	0.163	0.007	568.299	0.061	0.014
Dumpers/Tenders	2022	2022Dumpers/Tenders25	25	0.685	4.332	2.339	0.162	0.162	0.007	568.299	0.061	0.014
Dumpers/Tenders	2023	2023Dumpers/Tenders25	25	0.685	4.332	2.339	0.162	0.162	0.007	568.299	0.061	0.014
Dumpers/Tenders	2024	2024Dumpers/Tenders25	25	0.685	4.332	2.34	0.161	0.161	0.007	568.299	0.061	0.014
Dumpers/Tenders	2025	2025Dumpers/Tenders25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Dumpers/Tenders	2030	2030Dumpers/Tenders25	25	0.685	4.332	2.34	0.161	0.161	0.007	568.299	0.061	0.014
Dumpers/Tenders	2035	2035Dumpers/Tenders25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Dumpers/Tenders	2040	2040Dumpers/Tenders25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Excavators	1990	1990Excavators25	25	2.213	6.919	4.999	0.741	0.741	0.855	568.299	0.199	0.014
Excavators	1990	1990Excavators50	50	5.155	8.08	10.359	1.341	1.341	0.871	568.299	0.465	0.014
Excavators	1990	1990Excavators120	120	2.469	15.421	5.901	1.413	1.413	0.791	568.299	0.222	0.014
Excavators	1990	1990Excavators175	175	1.947	15.075	5.271	1.096	1.096	0.758	568.299	0.175	0.014
Excavators	1990	1990Excavators250	250	1.947	15.075	5.271	1.096	1.096	0.758	568.299	0.175	0.014
Excavators	1990	1990Excavators500	500	1.71	14.225	12.155	0.93	0.93	0.662	568.3	0.154	0.014
Excavators	1990	1990Excavators750	750	1.71	14.225	12.155	0.947	0.947	1.018	568.299	0.154	0.014
Excavators	2000	2000Excavators25	25	1.841	6.281	4.315	0.543	0.543	0.065	568.299	0.166	0.014
Excavators	2000	2000Excavators50	50	4.616	7.102	9.494	0.958	0.958	0.066	568.299	0.416	0.014
Excavators	2000	2000Excavators120	120	1.826	10.156	4.602	0.913	0.913	0.06	568.299	0.164	0.014
Excavators	2000	2000Excavators175	175	1.236	9.345	3.672	0.525	0.525	0.057	568.299	0.111	0.014
Excavators	2000	2000Excavators250	250	1.001	8.952	2.794	0.409	0.409	0.057	568.299	0.09	0.014
Excavators	2000	2000Excavators500	500	0.91	8.491	3.974	0.362	0.362	0.05	568.299	0.082	0.014
Excavators	2000	2000Excavators750	750	0.91	8.491	3.974	0.362	0.362	0.052	568.299	0.082	0.014
Excavators	2005	2005Excavators25	25	0.779	5.219	2.397	0.319	0.319	0.065	568.299	0.07	0.014
Excavators	2005	2005Excavators50	50	3.974	6.562	8.597	0.871	0.871	0.066	568.299	0.358	0.014
Excavators	2005	2005Excavators120	120	1.582	8.632	4.354	0.853	0.853	0.06	568.299	0.142	0.014
Excavators	2005	2005Excavators175	175	1.032	7.905	3.452	0.461	0.461	0.057	568.299	0.093	0.014
Excavators	2005	2005Excavators250	250	0.71	7.456	1.892	0.276	0.276	0.057	568.299	0.064	0.014
Excavators	2005	2005Excavators500	500	0.629	6.685	2.194	0.248	0.248	0.05	568.299	0.056	0.014
Excavators	2005	2005Excavators750	750	0.64	6.888	2.192	0.251	0.251	0.052	568.299	0.057	0.014
Excavators	2010	2010Excavators25	25	0.835	5.19123	4.56926	0.4130	0.3800	0.0050	584.0737	0.17	0.015
Excavators	2010	2010Excavators50	50	0.835	5.19123	4.56926	0.4130	0.3800	0.0050	584.0737	0.17	0.015
Excavators	2010	2010Excavators120	120	0.6160	6.10169	3.69337	0.4690	0.4320	0.0050	518.9941	0.1510	0.013
Excavators	2010	2010Excavators175	175	0.4810	5.82964	3.1674	0.299	0.2750	0.0050	525.0484	0.1530	0.013
Excavators	2010	2010Excavators250	250	0.3550	5.78636	1.45526	0.1820	0.1670	0.0050	525.2427	0.1530	0.013
Excavators	2010	2010Excavators500	500	0.2650	4.38582	1.44794	0.1430	0.132	0.0050	522.2909	0.152	0.013
Excavators	2010	2010Excavators750	750	0.2760	4.52996	1.53784	0.1490	0.1370	0.0050	520.4269	0.1510	0.013
Excavators	2011	2011Excavators25	25	0.8400	5.21824	4.67202	0.4130	0.3800	0.0050	582.8586	0.1700	0.015
Excavators	2011	2011Excavators50	50	0.8400	5.21824	4.67202	0.4130	0.3800	0.0050	582.8586	0.1700	0.015
Excavators	2011	2011Excavators120	120	0.5670	5.70006	3.65807	0.4360	0.4010	0.0050	517.4139	0.151	0.013
Excavators	2011	2011Excavators175	175	0.4480	5.44943	3.15702	0.2780	0.2550	0.0050	523.5178	0.1530	0.013
Excavators	2011	2011Excavators250	250	0.3360	5.41822	1.41809	0.1710	0.1570	0.0050	523.6886	0.1530	0.013
Excavators	2011	2011Excavators500	500	0.2550	4.1131	1.41288	0.1330	0.1230	0.0050	521.2972	0.1520	0.013
Excavators	2011	2011Excavators750	750	0.274	4.42127	1.47034	0.1460	0.1340	0.0050	519.1221	0.1510	0.013
Excavators	2012	2012Excavators25	25	0.8550	5.19511	4.79179	0.4120	0.3790	0.0050	581.4648	0.1700	0.015
Excavators	2012	2012Excavators50	50	0.8550	5.19511	4.79179	0.4120	0.3790	0.0050	581.4648	0.1700	0.015
Excavators	2012	2012Excavators120	120	0.5670	5.63138	3.68099	0.4340	0.3990	0.0050	516.083	0.151	0.013
Excavators	2012	2012Excavators175	175	0.4490	5.38897	3.17839	0.275	0.253	0.0050	522.0959	0.1530	0.013
Excavators	2012	2012Excavators250	250	0.3380	5.32577	1.42562	0.1690	0.1550	0.0050	522.4958	0.1530	0.013
Excavators	2012	2012Excavators500	500	0.2590	4.05714	1.4255	0.1310	0.1210	0.0050	520.034	0.1520	0.013
Excavators	2012	2012Excavators750	750	0.2810	4.3898	1.47962	0.1450	0.1340	0.0050	517.8167	0.1510	0.013
Excavators	2013	2013Excavators25	25	0.8360	5.0526	4.80774	0.3930	0.3620	0.0050	578.236	0.17	0.015
Excavators	2013	2013Excavators50	50	0.8360	5.0526	4.80774	0.3930	0.3620	0.0050	578.236	0.17	0.015
Excavators	2013	2013Excavators120	120	0.5370	5.3703	3.66866	0.4040	0.372	0.0050	513.7321	0.151	0.013
Excavators	2013	2013Excavators175	175	0.4230	5.08991	3.16966	0.2530	0.2330	0.0050	519.496	0.1530	0.013
Excavators	2013	2013Excavators250	250	0.3220	4.93756	1.40068	0.1570	0.1450	0.0050	519.8753	0.1530	0.013
Excavators	2013	2013Excavators500	500	0.2480	3.73509	1.38754	0.1210	0.1110	0.0050	517.7809	0.1520	0.013
Excavators	2013	2013Excavators750	750	0.2540	3.92892	1.36166	0.1260	0.1160	0.0050	514.1872	0.1510	0.013
Excavators	2014	2014Excavators25	25	0.8250	4.96504	4.84434	0.3800	0.3500	0.0050	575.2674	0.17	0.015
Excavators	2014	2014Excavators50	50	0.8250	4.96504	4.84434	0.3800	0.3500	0.0050	575.2674	0.17	0.015
Excavators	2014	2014Excavators120	120	0.513	5.13137	3.66313	0.3820	0.3520	0.0050	511.3057	0.1510	0.013
Excavators	2014	2014Excavators175	175	0.39	4.65701	3.15438	0.2290	0.2110	0.0050	516.9066	0.1530	0.013
Excavators	2014	2014Excavators250	250	0.2940	4.37384	1.34557	0.1390	0.1280	0.0050	517.3234	0.1530	0.013
Excavators	2014	2014Excavators500	500	0.2330	3.35284	1.32721	0.108	0.0990	0.0050	515.2151	0.1520	0.013
Excavators	2014	2014Excavators750	750	0.2390	3.54089	1.34745	0.1140	0.1050	0.0050	511.9453	0.1510	0.013
Excavators	2015	2015Excavators25	25	0.8330	4.91817	4.92488	0.3750	0.3450	0.0050	569.5116	0.17	0.015
Excavators	2015	2015Excavators50	50	0.8330	4.91817	4.92488	0.3750	0.3450	0.0050	569.5116	0.17	0.015
Excavators	2015	2015Excavators120	120	0.5070	5.01907	3.67943	0.3730	0.3440	0.0050	506.1727	0.1510	0.013
Excavators	2015	2015Excavators175	175	0.3840	4.4807	3.16762	0.2210	0.2030	0.0050	511.6869	0.1530	0.013
Excavators	2015	2015Excavators250	250	0.2890	4.18222	1.33148	0.1330	0.1220	0.0050	512.0555	0.1530	0.013
Excavators	2015	2015Excavators500	500	0.232	3.21395	1.31662	0.1040	0.0960	0.0050	509.8675	0.1520	0.013
Excavators	2015	2015Excavators750	750	0.2420	3.47287	1.35372	0.1130	0.1040	0.0050	506.6816	0.1510	0.013
Excavators	2016	2016Excavators25	25	0.8150	4.82432	4.94198	0.3590	0.3300	0.0050	563.8026	0.1700	0.014
Excavators	2016	2016Excavators50	50	0.8150	4.82432	4.94198	0.3590	0.3300	0.0050	563.8026	0.1700	0.014
Excavators	2016	2016Excavators120	120	0.4760	4.70806	3.66066	0.3440	0.3170	0.0050	500.9659	0.1510	0.013
Excavators	2016	2016Excavators175	175	0.3580	4.08095	3.15771	0.2010	0.1850	0.0050	506.495	0.1530	0.013
Excavators	2016	2016Excavators250	250	0.2620	3.66736	1.27749	0.1160	0.1070	0.0050	506.544	0.1530	0.013
Excavators	2016	2016Excavators500	500	0.2130	2.81451	1.23344	0.0910	0.0830	0.0050	504.2899	0.1520	0.013
Excavators	2016	2016Excavators750	750	0.2420	3.35762	1.34881	0.1100	0.1010	0.0050	501.6596	0.1510	0.013
Excavators	2017	2017Excavators25	25	0.7710	4.67818	4.88904	0.3320	0.3050	0.0050	554.9101	0.17	0.014
Excavators	2017	2017Excavators50	50	0.7710	4.67818	4.88904	0.3320	0.3050	0.0050	554.9101	0.17	0.014
Excavators	2017	2017Excavators120	120	0.4400	4.37952	3.63939	0.3100	0.2850	0.0050	493.409	0.1510	0.013
Excavators	2017	2017Excavators175	175	0.3340	3.69967	3.15091	0.182	0.1670	0.0050	498.5222	0.1530	0.013
Excavators	2017	2017Excavators250	250	0.2470	3.31872	1.24911	0.1050	0.0970	0.0050	498.4364	0.1530	0.013
Excavators	2017	2017Excavators500	500	0.2000	2.50715	1.19852	0.0810	0.0750	0.0050	496.8098	0.1520	0.013
Excavators	2017	2017Excavators750	750	0.2100	2.71934	1.22803	0.0900	0.0830	0.0050	494.5496	0.1520	0.013
Excavators	2018	2018Excavators25	25	0.6870	4.39518	4.70022	0.2840	0.2610	0.0050	545.3468	0.1700	0.014
Excavators	2018	2018Excavators50	50	0.6870	4.39518	4.70022	0.2840	0.2610	0.0050	545.3468	0.1700	0.014
Excavators	2018	2018Excavators120	120	0.3680	3.76366	3.56214	0.2500	0.2300	0.0050	486.056	0.1510	0.012
Excavators	2018	2018Excavators175	175	0.2730	2.92361	3.09338	0.1420	0.1300	0.0050	490.6725	0.1530	0.012
Excavators	2018	2018Excavators250	250	0.2020	2.59377	1.15209	0.0790	0.0730	0.0050	490.2569	0.1530	0.012
Excavators	2018	2018Excavators500	500	0.1750	2.05045	1.13951	0.0660	0.0610	0.0050	489.1025	0.1520	0.012
Excavators	2018	2018Excavators750	750	0.1890	2.26567	1.22359	0.0760	0.0700	0.0050	487.6528	0.1520	0.012
Excavators	2019	2019Excavators25	25	0.6370	4.19867	4.59698	0.2500	0.2300	0.0050	536.9132	0.1700	0.014
Excavators	2019	2019Excavators50	50	0.6370	4.19867	4.59698	0.2500	0.2300	0.0050	536.9132	0.1700	0.014
Excavators	2019	2019Excavators120	120	0.3250	3.36874	3.52421	0.2110	0.1940	0.0050	478.2452	0.1510	0.012
Excavators	2019	2019Excavators175	175	0.2460	2.53264	3.08163	0.1220	0.1120	0.0050	482.6838	0.1530	0.012
Excavators	2019	2019Excavators250	250	0.1860	2.24187	1.12671	0.068	0.0630	0.0050	482.2503	0.1530	0.012
Excavators	2019	2019Excavators500	500	0.1620	1.77986	1.1135	0.0580	0.0530	0.0050	481.2361	0.1520	0.012
Excavators	2019	2019Excavators750	750	0.1760	1.98661	1.17289	0.0670	0.0620	0.0050	479.2876	0.1520	0.012
Excavators	2020	2020Excavators25	25	0.5930	4.03131	4.50032	0.2220	0.2040	0.0050	525.3675	0.1700	0.013
Excavators	2020	2020Excavators50	50	0.5930	4.03131	4.50032	0.2220	0.2040	0.0050	525.3675	0.1700	0.013
Excavators	2020	2020Excavators120	120	0.2990	3.08964	3.50495	0.1850	0.17	0.0050	468.0546	0.1510	0.012
Excavators	2020	2020Excavators175	175	0.2310	2.27838	3.08597	0.1100	0.1020	0.0050	472.2895	0.1530	0.012
Excavators	2020	2020Excavators250	250	0.1770	2.02738	1.11778	0.0610	0.0560	0.0050	471.8828	0.1530	0.012
Excavators	2020	2020Excavators500	500	0.1530	1.57199	1.1016	0.0520	0.0480	0.0050	470.2956	0.1520	0.012
Excavators	2020	2020Excavators750	750	0.1700	1.79718	1.14543	0.0610	0.0560	0.0050	468.8706	0.1520	0.012
Excavators	2021	2021Excavators25	25	0.5620	3.91866	4.46094	0.2020	0.1860	0.0050	525.3774	0.1700	0.013
Excavators	2021	2021Excavators50	50	0.5620	3.91866	4.46094	0.2020	0.1860	0.0050	525.3774	0.1700	0.013
Excavators	2021	2021Excavators120	120	0.275	2.84891	3.49196	0.1610	0.1480	0.0050	467.7906	0.1510	0.012
Excavators	2021	2021Excavators175	175	0.2160	2.03357	3.08975	0.0990	0.0910	0.0050	472.3586	0.1530	0.012
Excavators	2021	2021Excavators250	250	0.1630	1.70572	1.10324	0.0520	0.0480	0.0050	471.7931	0.1530	0.012
Excavators	2021	2021Excavators500	500	0.143	1.33174	1.08777	0.0450	0.041	0.0050	469.6156	0.1520	0.012
Excavators	2021	2021Excavators750	750	0.1650	1.61856	1.14978	0.0560	0.0520	0.0050	469.547	0.1520	0.012
Excavators	2022	2022Excavators25	25	0.4780	3.70039	4.27341	0.1600	0.1470	0.0050	525.4468	0.1700	0.013
Excavators	2022	2022Excavators50	50	0.4780	3.70039	4.27341	0.1600	0.1470	0.0050	525.4468	0.1700	0.013
Excavators	2022	2022Excavators120	120	0.2520	2.60649	3.47329	0.1380	0.1270	0.0050	467.6256	0.1510	0.012
Excavators	2022	2022Excavators175	175	0.1910	1.6781	3.074	0.0810	0.0750	0.0050	472.1917	0.1530	0.012
Excavators	2022	2022Excavators250	250	0.1480	1.38616	1.09157	0.0440	0.04	0.0050	472.0412	0.1530	0.012
Excavators	2022	2022Excavators500	500	0.1280	1.03988	1.06126	0.0350	0.0320	0.0050	469.7105	0.1520	0.012
Excavators	2022	2022Excavators750	750	0.1500	1.2865	1.144	0.0470	0.0430	0.0050	469.2892	0.1520	0.012
Excavators	2023	2023Excavators25	25	0.4500	3.59356	4.23393	0.1390	0.1280	0.0050	525.4286	0.1700	0.013
Excavators	2023	2023Excavators50	50	0.4500	3.59356	4.23393	0.1390	0.1280	0.0050	525.4286	0.1700	0.013
Excavators	2023	2023Excavators120	120	0.2300	2.38066	3.45367	0.1160	0.1070	0.0050	467.1573	0.1510	0.012
Excavators	2023	2023Excavators175	175	0.1780	1.46245	3.07648	0.0720	0.0660	0.0050	472.277	0.1530	0.012
Excavators	2023	2023Excavators250	250	0.142	1.20943	1.08965	0.0390	0.0360	0.0050	472.2131	0.1530	0.012
Excavators	2023	2023Excavators500	500	0.122	0.89311	1.05093	0.0300	0.0280	0.0050	469.8892	0.152	0.012
Excavators	2023	2023Excavators750	750	0.1440	1.15865	1.13199	0.0430	0.0400	0.0050	468.6826	0.1520	0.012
Excavators	2024	2024Excavators25	25	0.4160	3.50816	4.20529	0.1200	0.11	0.0050	525.979	0.1700	0.013
Excavators	2024	2024Excavators50	50	0.4160	3.50816	4.20529	0.1200	0.11	0.0050	525.979	0.1700	0.013
Excavators	2024	2024Excavators120	120	0.2170	2.24781	3.45322	0.1020	0.0940	0.0050	467.3843	0.1510	0.012
Excavators	2024	2024Excavators175	175	0.1700	1.32479	3.08336	0.0650	0.06	0.0050	472.4279	0.1530	0.012
Excavators	2024	2024Excavators250	250	0.1390	1.10808	1.0899	0.0360	0.0330	0.0050	472.4415	0.1530	0.012
Excavators	2024	2024Excavators500	500	0.1210	0.83129	1.05369	0.0290	0.0260	0.0050	469.7108	0.1520	0.012
Excavators	2024	2024Excavators750	750	0.142	1.10467	1.13421	0.0410	0.0370	0.0050	468.652	0.1520	0.012
Excavators	2025	2025Excavators25	25	0.4030	3.45298	4.21941	0.1070	0.0990	0.0050	525.7772	0.17	0.013
Excavators	2025	2025Excavators50	50	0.4030	3.45298	4.21941	0.1070	0.0990	0.0050	525.7772	0.17	0.013
Excavators	2025	2025Excavators120	120	0.2010	2.08246	3.43876	0.0850	0.0780	0.0050	466.7376	0.151	0.012
Excavators	2025	2025Excavators175	175	0.1580	1.15367	3.078	0.0570	0.052	0.0050	472.4964	0.1530	0.012
Excavators	2025	2025Excavators250	250	0.1310	0.96211	1.08136	0.0320	0.0290	0.0050	472.5599	0.1530	0.012

Excavators	2025	2025Excavators500	500	0.1150	0.72641	1.05072	0.0260	0.0240	0.0050	470.2915	0.1520	0.012
Excavators	2025	2025Excavators750	750	0.1390	1.02571	1.13484	0.038	0.0350	0.0050	468.5582	0.1520	0.012
Excavators	2030	2030Excavators25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Excavators	2030	2030Excavators50	50	0.602	3.393	5.309	0.038	0.038	0.007	568.299	0.054	0.014
Excavators	2030	2030Excavators120	120	0.301	1.676	3.806	0.034	0.034	0.006	568.299	0.027	0.014
Excavators	2030	2030Excavators175	175	0.213	0.525	3.362	0.023	0.023	0.006	568.299	0.019	0.014
Excavators	2030	2030Excavators250	250	0.203	0.452	1.145	0.016	0.016	0.006	568.299	0.018	0.014
Excavators	2030	2030Excavators500	500	0.202	0.433	1.088	0.016	0.016	0.005	568.299	0.018	0.014
Excavators	2030	2030Excavators750	750	0.202	0.437	1.088	0.016	0.016	0.005	568.299	0.018	0.014
Excavators	2035	2035Excavators25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Excavators	2035	2035Excavators50	50	0.572	3.323	5.287	0.024	0.024	0.007	568.299	0.051	0.014
Excavators	2035	2035Excavators120	120	0.284	1.551	3.802	0.021	0.021	0.006	568.299	0.025	0.014
Excavators	2035	2035Excavators175	175	0.197	0.365	3.363	0.015	0.015	0.006	568.299	0.017	0.014
Excavators	2035	2035Excavators250	250	0.195	0.342	1.145	0.013	0.013	0.006	568.3	0.017	0.014
Excavators	2035	2035Excavators500	500	0.195	0.337	1.089	0.013	0.013	0.005	568.299	0.017	0.014
Excavators	2035	2035Excavators750	750	0.195	0.338	1.088	0.013	0.013	0.005	568.299	0.017	0.014
Excavators	2040	2040Excavators25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.3	0.061	0.014
Excavators	2040	2040Excavators50	50	0.567	3.29	5.283	0.019	0.019	0.007	568.299	0.051	0.014
Excavators	2040	2040Excavators120	120	0.279	1.507	3.802	0.017	0.017	0.006	568.299	0.025	0.014
Excavators	2040	2040Excavators175	175	0.193	0.311	3.363	0.013	0.013	0.006	568.299	0.017	0.014
Excavators	2040	2040Excavators250	250	0.192	0.3	1.145	0.011	0.011	0.006	568.299	0.017	0.014
Excavators	2040	2040Excavators500	500	0.192	0.3	1.089	0.011	0.011	0.005	568.299	0.017	0.014
Excavators	2040	2040Excavators750	750	0.192	0.3	1.089	0.011	0.011	0.005	568.299	0.017	0.014
Forklifts	1990	1990Forklifts50	50	4.826	7.952	9.773	1.266	1.266	0.692	568.299	0.435	0.014
Forklifts	1990	1990Forklifts120	120	2.326	14.699	5.638	1.32	1.32	0.628	568.3	0.209	0.014
Forklifts	1990	1990Forklifts175	175	1.537	12.932	4.938	0.849	0.849	0.602	568.299	0.138	0.014
Forklifts	1990	1990Forklifts250	250	1.537	12.932	4.938	0.849	0.849	0.602	568.299	0.138	0.014
Forklifts	1990	1990Forklifts500	500	1.365	12.267	10.853	0.73	0.73	0.525	568.299	0.123	0.014
Forklifts	2000	2000Forklifts50	50	4.461	7.035	9.216	0.934	0.934	0.065	568.3	0.402	0.014
Forklifts	2000	2000Forklifts120	120	1.75	9.75	4.459	0.882	0.882	0.059	568.299	0.157	0.014
Forklifts	2000	2000Forklifts175	175	1.188	9.001	3.519	0.502	0.502	0.057	568.299	0.107	0.014
Forklifts	2000	2000Forklifts250	250	0.926	8.546	2.534	0.372	0.372	0.057	568.299	0.083	0.014
Forklifts	2000	2000Forklifts500	500	0.848	8.126	3.255	0.333	0.333	0.049	568.299	0.076	0.014
Forklifts	2005	2005Forklifts50	50	4.108	6.62	8.778	0.891	0.891	0.065	568.299	0.37	0.014
Forklifts	2005	2005Forklifts120	120	1.612	8.602	4.35	0.876	0.876	0.059	568.299	0.145	0.014
Forklifts	2005	2005Forklifts175	175	1.061	7.94	3.418	0.475	0.475	0.057	568.299	0.095	0.014
Forklifts	2005	2005Forklifts250	250	0.666	7.367	1.693	0.253	0.253	0.057	568.299	0.06	0.014
Forklifts	2005	2005Forklifts500	500	0.591	6.611	1.803	0.23	0.23	0.049	568.299	0.053	0.014
Forklifts	2010	2010Forklifts50	50	2.3920	6.31187	7.62516	0.7290	0.6710	0.0050	583.8704	0.17	0.015
Forklifts	2010	2010Forklifts120	120	0.8780	7.63494	4.10764	0.6250	0.5750	0.0050	523.9205	0.1530	0.013
Forklifts	2010	2010Forklifts175	175	0.6430	7.24303	3.54812	0.3890	0.3570	0.0050	524.5625	0.1530	0.013
Forklifts	2010	2010Forklifts250	250	0.7160	8.49545	2.88991	0.3980	0.3660	0.0050	525.9172	0.1530	0.013
Forklifts	2010	2010Forklifts500	500	0.6850	8.13812	5.79345	0.3810	0.3510	0.0050	526.239	0.1530	0.013
Forklifts	2011	2011Forklifts50	50	2.329	6.26642	7.5619	0.7150	0.6570	0.0050	582.4107	0.17	0.015
Forklifts	2011	2011Forklifts120	120	0.8600	7.45983	4.10232	0.6170	0.5680	0.0050	522.6107	0.1530	0.013
Forklifts	2011	2011Forklifts175	175	0.6380	7.14122	3.55732	0.3850	0.3550	0.0050	523.2511	0.1530	0.013
Forklifts	2011	2011Forklifts250	250	0.6890	8.17495	2.77115	0.3810	0.3500	0.0050	524.6024	0.1530	0.013
Forklifts	2011	2011Forklifts500	500	0.6610	7.84	5.42187	0.3680	0.3380	0.0050	524.9234	0.1530	0.013
Forklifts	2012	2012Forklifts50	50	2.3540	6.27736	7.68036	0.7200	0.6630	0.0050	580.951	0.17	0.015
Forklifts	2012	2012Forklifts120	120	0.8630	7.43066	4.13104	0.6200	0.5710	0.0050	521.3009	0.1530	0.013
Forklifts	2012	2012Forklifts175	175	0.6430	7.11981	3.58413	0.3870	0.3560	0.0050	521.9397	0.1530	0.013
Forklifts	2012	2012Forklifts250	250	0.6930	8.14199	2.77846	0.3810	0.3500	0.0050	523.2876	0.1530	0.013
Forklifts	2012	2012Forklifts500	500	0.6680	7.85628	5.42806	0.3690	0.3400	0.0050	523.6078	0.1530	0.013
Forklifts	2013	2013Forklifts50	50	2.2320	6.14743	7.4937	0.6890	0.6340	0.0050	578.0317	0.17	0.015
Forklifts	2013	2013Forklifts120	120	0.8380	7.21545	4.11855	0.6030	0.555	0.0050	518.6813	0.1530	0.013
Forklifts	2013	2013Forklifts175	175	0.625	6.90229	3.57971	0.3750	0.3450	0.0050	519.3169	0.1530	0.013
Forklifts	2013	2013Forklifts250	250	0.6610	7.77338	2.67477	0.3600	0.3320	0.0050	520.658	0.1530	0.013
Forklifts	2013	2013Forklifts500	500	0.577	6.91072	4.6871	0.3140	0.2890	0.0050	520.9766	0.1530	0.013
Forklifts	2014	2014Forklifts50	50	2.1140	6.00609	7.32058	0.6560	0.6040	0.0050	575.1123	0.17	0.015
Forklifts	2014	2014Forklifts120	120	0.7940	6.84833	4.07936	0.5740	0.5280	0.0050	516.0617	0.1530	0.013
Forklifts	2014	2014Forklifts175	175	0.5780	6.35205	3.52073	0.3450	0.3170	0.0050	516.694	0.1530	0.013
Forklifts	2014	2014Forklifts250	250	0.6150	7.27612	2.50114	0.3300	0.3040	0.0050	518.0284	0.1530	0.013
Forklifts	2014	2014Forklifts500	500	0.5410	6.35258	4.25186	0.2890	0.266	0.0050	518.3454	0.1530	0.013
Forklifts	2015	2015Forklifts50	50	2.0730	5.93143	7.29982	0.6430	0.5910	0.0050	569.2736	0.17	0.014
Forklifts	2015	2015Forklifts120	120	0.7680	6.60091	4.06346	0.5550	0.5100	0.0050	510.8225	0.1530	0.013
Forklifts	2015	2015Forklifts175	175	0.5660	6.13482	3.51969	0.3350	0.308	0.0050	511.4484	0.1530	0.013
Forklifts	2015	2015Forklifts250	250	0.5650	6.69668	2.32501	0.2980	0.274	0.0050	512.7693	0.1530	0.013
Forklifts	2015	2015Forklifts500	500	0.4540	5.33227	3.29951	0.2370	0.2180	0.0050	513.083	0.1530	0.013
Forklifts	2016	2016Forklifts50	50	1.8640	5.66211	6.93473	0.5830	0.5370	0.0050	563.4349	0.17	0.014
Forklifts	2016	2016Forklifts120	120	0.7230	6.22192	4.02311	0.5200	0.4790	0.0050	505.5833	0.1530	0.013
Forklifts	2016	2016Forklifts175	175	0.5300	5.67466	3.47253	0.3100	0.2850	0.0050	506.2028	0.1530	0.013
Forklifts	2016	2016Forklifts250	250	0.5390	6.35303	2.22626	0.2800	0.2570	0.0050	507.5101	0.1530	0.013
Forklifts	2016	2016Forklifts500	500	0.3530	4.04212	2.57209	0.1740	0.1600	0.0050	507.8206	0.1530	0.013
Forklifts	2017	2017Forklifts50	50	1.7030	5.45035	6.67251	0.5360	0.4930	0.0050	554.6769	0.17	0.014
Forklifts	2017	2017Forklifts120	120	0.6720	5.81772	3.97881	0.48	0.4420	0.0050	497.7245	0.1530	0.013
Forklifts	2017	2017Forklifts175	175	0.508	5.36215	3.45188	0.2940	0.2700	0.0050	498.3344	0.1530	0.013
Forklifts	2017	2017Forklifts250	250	0.4960	5.75116	2.0923	0.2520	0.2320	0.0050	499.6213	0.1530	0.013
Forklifts	2017	2017Forklifts500	500	0.3380	3.7797	2.50803	0.1610	0.1480	0.0050	499.927	0.1530	0.013
Forklifts	2018	2018Forklifts50	50	1.3930	5.05181	6.10276	0.4470	0.4110	0.0050	545.9188	0.17	0.014
Forklifts	2018	2018Forklifts120	120	0.5670	5.0153	3.85819	0.4000	0.3680	0.0050	489.8657	0.1530	0.012
Forklifts	2018	2018Forklifts175	175	0.4270	4.42984	3.33646	0.2410	0.2220	0.0050	490.4659	0.1530	0.012
Forklifts	2018	2018Forklifts250	250	0.4250	4.93757	1.83475	0.2070	0.1910	0.0050	491.7326	0.1530	0.013
Forklifts	2018	2018Forklifts500	500	0.282	3.01864	1.87814	0.1250	0.1150	0.0050	492.0335	0.1530	0.013
Forklifts	2019	2019Forklifts50	50	1.2440	4.86189	5.88034	0.4010	0.3690	0.0050	537.1608	0.17	0.014
Forklifts	2019	2019Forklifts120	120	0.5090	4.54965	3.80391	0.3520	0.3240	0.0050	482.0069	0.1530	0.012
Forklifts	2019	2019Forklifts175	175	0.3820	3.86458	3.28831	0.2100	0.1930	0.0050	482.5975	0.1530	0.012
Forklifts	2019	2019Forklifts250	250	0.3740	4.2498	1.6773	0.1750	0.1610	0.0050	483.8438	0.1530	0.012
Forklifts	2019	2019Forklifts500	500	0.2670	2.75148	1.814	0.112	0.103	0.0050	484.1399	0.1530	0.012
Forklifts	2020	2020Forklifts50	50	1.1240	4.68572	5.70563	0.3600	0.3310	0.0050	525.4833	0.17	0.013
Forklifts	2020	2020Forklifts120	120	0.4590	4.13299	3.75954	0.3080	0.2830	0.0050	471.5285	0.1530	0.012
Forklifts	2020	2020Forklifts175	175	0.3380	3.3196	3.24885	0.1800	0.1650	0.0050	472.1062	0.1530	0.012
Forklifts	2020	2020Forklifts250	250	0.2930	3.24149	1.44178	0.1260	0.1160	0.0050	473.3255	0.1530	0.012
Forklifts	2020	2020Forklifts500	500	0.2510	2.43991	1.47807	0.0970	0.0890	0.0050	473.6151	0.1530	0.012
Forklifts	2021	2021Forklifts50	50	1.0020	4.5202	5.53477	0.3180	0.2920	0.0050	525.4833	0.17	0.013
Forklifts	2021	2021Forklifts120	120	0.412	3.75592	3.72	0.2670	0.2450	0.0050	471.5285	0.1530	0.012
Forklifts	2021	2021Forklifts175	175	0.3080	2.9207	3.23128	0.1580	0.1450	0.0050	472.1062	0.1530	0.012
Forklifts	2021	2021Forklifts250	250	0.2490	2.58195	1.33672	0.0990	0.0910	0.0050	473.3255	0.1530	0.012
Forklifts	2021	2021Forklifts500	500	0.2540	2.30266	1.48481	0.0940	0.0860	0.0050	473.6151	0.1530	0.012
Forklifts	2022	2022Forklifts50	50	0.8590	4.31214	5.30418	0.2700	0.2480	0.0050	525.4833	0.17	0.013
Forklifts	2022	2022Forklifts120	120	0.3620	3.36021	3.67507	0.2230	0.2050	0.0050	471.5285	0.1530	0.012
Forklifts	2022	2022Forklifts175	175	0.2720	2.47982	3.19749	0.1320	0.1220	0.0050	472.1062	0.1530	0.012
Forklifts	2022	2022Forklifts250	250	0.236	2.31941	1.3171	0.0900	0.0830	0.0050	473.3255	0.1530	0.012
Forklifts	2022	2022Forklifts500	500	0.2320	1.99119	1.21922	0.0770	0.0710	0.0050	473.6151	0.1530	0.012
Forklifts	2023	2023Forklifts50	50	0.7660	4.15219	5.16597	0.2320	0.2130	0.0050	525.4833	0.17	0.013
Forklifts	2023	2023Forklifts120	120	0.3270	3.0569	3.64655	0.1890	0.1740	0.0050	471.5285	0.1530	0.012
Forklifts	2023	2023Forklifts175	175	0.2440	2.11214	3.1799	0.1110	0.1020	0.0050	472.1062	0.1530	0.012
Forklifts	2023	2023Forklifts250	250	0.2040	1.80718	1.23515	0.0690	0.0630	0.0050	473.3255	0.1530	0.012
Forklifts	2023	2023Forklifts500	500	0.22	1.78772	1.21596	0.0690	0.0630	0.0050	473.6151	0.1530	0.012
Forklifts	2024	2024Forklifts50	50	0.6920	4.03948	5.0885	0.203	0.1870	0.0050	525.4833	0.17	0.013
Forklifts	2024	2024Forklifts120	120	0.3	2.81432	3.62907	0.1630	0.1500	0.0050	471.5285	0.1530	0.012
Forklifts	2024	2024Forklifts175	175	0.2240	1.86129	3.17389	0.0960	0.0880	0.0050	472.1062	0.1530	0.012
Forklifts	2024	2024Forklifts250	250	0.1950	1.6253	1.21846	0.0610	0.0560	0.0050	473.3255	0.1530	0.012
Forklifts	2024	2024Forklifts500	500	0.2180	1.72336	1.21901	0.0650	0.06	0.0050	473.6151	0.1530	0.012
Forklifts	2025	2025Forklifts50	50	0.6360	3.93206	5.02929	0.1780	0.1640	0.0050	525.4833	0.17	0.013
Forklifts	2025	2025Forklifts120	120	0.2770	2.60732	3.61138	0.1400	0.1280	0.0050	471.5285	0.1530	0.012
Forklifts	2025	2025Forklifts175	175	0.2090	1.653	3.17013	0.0840	0.0780	0.0050	472.1062	0.1530	0.012
Forklifts	2025	2025Forklifts250	250	0.1900	1.46623	1.2143	0.0560	0.0520	0.0050	473.3255	0.1530	0.012
Forklifts	2025	2025Forklifts500	500	0.2150	1.65848	1.22207	0.0620	0.0570	0.0050	473.6151	0.1530	0.012
Forklifts	2030	2030Forklifts50	50	0.565	3.33	5.272	0.023	0.023	0.007	568.299	0.051	0.014
Forklifts	2030	2030Forklifts120	120	0.283	1.555	3.799	0.021	0.021	0.006	568.299	0.025	0.014
Forklifts	2030	2030Forklifts175	175	0.199	0.391	3.36	0.015	0.015	0.006	568.299	0.018	0.014
Forklifts	2030	2030Forklifts250	250	0.195	0.341	1.144	0.012	0.012	0.006	568.299	0.017	0.014
Forklifts	2030	2030Forklifts500	500	0.195	0.341	1.088	0.012	0.012	0.005	568.299	0.017	0.014
Forklifts	2035	2035Forklifts50	50	0.558	3.268	5.234	0.017	0.017	0.007	568.299	0.05	0.014
Forklifts	2035	2035Forklifts120	120	0.275	1.495	3.787	0.016	0.016	0.006	568.299	0.024	0.014
Forklifts	2035	2035Forklifts175	175	0.189	0.299	3.35	0.012	0.012	0.006	568.3	0.017	0.014
Forklifts	2035	2035Forklifts250	250	0.188	0.29	1.141	0.011	0.011	0.006	568.3	0.017	0.014
Forklifts	2035	2035Forklifts500	500	0.188	0.29	1.085	0.011	0.011	0.005	568.299	0.017	0.014
Forklifts	2040	2040Forklifts50	50	0.562	3.272	5.256	0.017	0.017	0.007	568.299	0.05	0.014
Forklifts	2040	2040Forklifts120	120	0.276	1.491	3.794	0.016	0.016	0.006	568.299	0.024	0.014
Forklifts	2040	2040Forklifts175	175	0.189	0.288	3.356	0.012	0.012	0.006	568.299	0.017	0.014
Forklifts	2040	2040Forklifts250	250	0.189	0.288	1.143	0.011	0.011	0.006	568.299	0.017	0.014
Forklifts	2040	2040Forklifts500	500	0.189	0.288	1.087	0.011	0.011	0.005	568.299	0.017	0.014
Generator Sets	1990	1990Generator Sets15	15	1.804	10	4.999	0.974	0.974	1.018	568.299	0.162	0.014
Generator Sets	1990	1990Generator Sets25	25	2.213	6.919	4.999	0.74	0.74	0.83	568.299	0.199	0.014
Generator Sets	1990	1990Generator Sets50	50	3.13	7.325	6.681	0.928	0.928	0.846	568.299	0.282	0.014
Generator Sets	1990	1990Generator Sets120	120	1.891	13.19	4.97	0.985	0.985	0.768	568.299	0.17	0.014
Generator Sets	1990	1990Generator Sets175	175	1.292	11.864	4.395	0.653	0.653	0.736	568.3	0.116	0.014
Generator Sets	1990	1990Generator Sets250	250	1.292	11.864	4.395	0.653	0.653	0.736	568.299	0.116	0.014
Generator Sets	1990	1990Generator Sets500	500	1.196	11.613	6.53	0.596	0.596	0.642	568.299	0.107	0.014
Generator Sets	1990	1990Generator Sets750	750	1.196	11.612	6.53	0.596	0.596	0.658	568.299	0.107	0.014
Generator Sets	1990	1990Generator Sets9999	9999	1.195	11.612	6.53	0.594	0.594	0.658	568.299	0.107	0.014

Generator Sets	2000	2000Generator Sets15	15	1.518	8.846	4.875	0.613	0.613	0.079	568.299	0.137	0.014
Generator Sets	2000	2000Generator Sets25	25	1.667	6.405	4.783	0.51	0.51	0.065	568.299	0.15	0.014
Generator Sets	2000	2000Generator Sets50	50	2.96	6.55	6.415	0.692	0.692	0.066	568.299	0.267	0.014
Generator Sets	2000	2000Generator Sets120	120	1.535	9.468	4.158	0.686	0.686	0.06	568.299	0.138	0.014
Generator Sets	2000	2000Generator Sets175	175	1.029	8.612	3.381	0.404	0.404	0.057	568.299	0.092	0.014
Generator Sets	2000	2000Generator Sets250	250	0.849	8.277	2.656	0.325	0.325	0.057	568.299	0.076	0.014
Generator Sets	2000	2000Generator Sets500	500	0.802	8.102	3.7	0.301	0.301	0.05	568.299	0.072	0.014
Generator Sets	2000	2000Generator Sets750	750	0.802	8.102	3.7	0.301	0.301	0.051	568.3	0.072	0.014
Generator Sets	2000	2000Generator Sets9999	9999	0.921	8.686	4.274	0.344	0.344	0.051	568.299	0.083	0.014
Generator Sets	2005	2005Generator Sets15	15	1.212	7.615	4.38	0.505	0.505	0.079	568.299	0.109	0.014
Generator Sets	2005	2005Generator Sets25	25	1.253	6.014	3.922	0.432	0.432	0.065	568.299	0.113	0.014
Generator Sets	2005	2005Generator Sets50	50	2.608	6.099	5.919	0.64	0.64	0.066	568.3	0.235	0.014
Generator Sets	2005	2005Generator Sets120	120	1.313	7.987	3.853	0.634	0.634	0.06	568.299	0.118	0.014
Generator Sets	2005	2005Generator Sets175	175	0.854	7.306	3.067	0.35	0.35	0.057	568.299	0.077	0.014
Generator Sets	2005	2005Generator Sets250	250	0.604	6.892	1.801	0.229	0.229	0.057	568.299	0.054	0.014
Generator Sets	2005	2005Generator Sets500	500	0.545	6.465	2.206	0.211	0.211	0.05	568.299	0.049	0.014
Generator Sets	2005	2005Generator Sets750	750	0.561	6.609	2.206	0.214	0.214	0.051	568.3	0.05	0.014
Generator Sets	2005	2005Generator Sets9999	9999	0.717	7.582	2.719	0.255	0.255	0.051	568.299	0.064	0.014
Generator Sets	2010	2010Generator Sets15	15	0.953	6.387	4.027	0.38	0.38	0.008	568.299	0.086	0.014
Generator Sets	2010	2010Generator Sets25	25	0.961	5.477	3.309	0.342	0.342	0.007	568.299	0.086	0.014
Generator Sets	2010	2010Generator Sets50	50	2.045	5.68	5.353	0.522	0.522	0.007	568.299	0.184	0.014
Generator Sets	2010	2010Generator Sets120	120	1.005	6.573	3.677	0.516	0.516	0.006	568.299	0.09	0.014
Generator Sets	2010	2010Generator Sets175	175	0.661	5.87	2.986	0.286	0.286	0.006	568.299	0.059	0.014
Generator Sets	2010	2010Generator Sets250	250	0.428	5.501	1.333	0.163	0.163	0.006	568.299	0.038	0.014
Generator Sets	2010	2010Generator Sets500	500	0.384	5.015	1.482	0.153	0.153	0.005	568.299	0.034	0.014
Generator Sets	2010	2010Generator Sets750	750	0.396	5.147	1.482	0.155	0.155	0.005	568.299	0.035	0.014
Generator Sets	2010	2010Generator Sets9999	9999	0.54	6.544	1.93	0.193	0.193	0.005	568.299	0.048	0.014
Generator Sets	2011	2011Generator Sets15	15	0.908	6.134	3.952	0.358	0.358	0.008	568.299	0.081	0.014
Generator Sets	2011	2011Generator Sets25	25	0.92	5.36	3.179	0.325	0.325	0.007	568.299	0.083	0.014
Generator Sets	2011	2011Generator Sets50	50	1.901	5.585	5.2	0.495	0.495	0.007	568.3	0.171	0.014
Generator Sets	2011	2011Generator Sets120	120	0.937	6.226	3.64	0.493	0.493	0.006	568.299	0.084	0.014
Generator Sets	2011	2011Generator Sets175	175	0.619	5.544	2.974	0.274	0.274	0.006	568.299	0.055	0.014
Generator Sets	2011	2011Generator Sets250	250	0.391	5.125	1.249	0.147	0.147	0.006	568.299	0.035	0.014
Generator Sets	2011	2011Generator Sets500	500	0.35	4.654	1.36	0.138	0.138	0.005	568.299	0.031	0.014
Generator Sets	2011	2011Generator Sets750	750	0.362	4.784	1.36	0.14	0.14	0.005	568.299	0.032	0.014
Generator Sets	2011	2011Generator Sets9999	9999	0.502	6.202	1.784	0.18	0.18	0.005	568.299	0.045	0.014
Generator Sets	2012	2012Generator Sets15	15	0.865	5.874	3.874	0.338	0.338	0.008	568.299	0.078	0.014
Generator Sets	2012	2012Generator Sets25	25	0.884	5.239	3.043	0.307	0.307	0.007	568.299	0.079	0.014
Generator Sets	2012	2012Generator Sets50	50	1.746	5.485	5.03	0.466	0.466	0.007	568.299	0.157	0.014
Generator Sets	2012	2012Generator Sets120	120	0.865	5.848	3.603	0.46	0.46	0.006	568.299	0.078	0.014
Generator Sets	2012	2012Generator Sets175	175	0.575	5.198	2.963	0.254	0.254	0.006	568.299	0.051	0.014
Generator Sets	2012	2012Generator Sets250	250	0.361	4.77	1.196	0.133	0.133	0.006	568.3	0.032	0.014
Generator Sets	2012	2012Generator Sets500	500	0.324	4.315	1.275	0.125	0.125	0.005	568.299	0.029	0.014
Generator Sets	2012	2012Generator Sets750	750	0.335	4.441	1.275	0.127	0.127	0.005	568.299	0.03	0.014
Generator Sets	2012	2012Generator Sets9999	9999	0.463	5.849	1.639	0.166	0.166	0.005	568.3	0.041	0.014
Generator Sets	2013	2013Generator Sets15	15	0.823	5.616	3.796	0.318	0.318	0.008	568.299	0.074	0.014
Generator Sets	2013	2013Generator Sets25	25	0.851	5.117	2.907	0.289	0.289	0.007	568.299	0.076	0.014
Generator Sets	2013	2013Generator Sets50	50	1.585	5.263	4.854	0.428	0.428	0.007	568.299	0.143	0.014
Generator Sets	2013	2013Generator Sets120	120	0.792	5.478	3.567	0.424	0.424	0.006	568.299	0.071	0.014
Generator Sets	2013	2013Generator Sets175	175	0.53	4.873	2.953	0.233	0.233	0.006	568.299	0.047	0.014
Generator Sets	2013	2013Generator Sets250	250	0.336	4.428	1.16	0.122	0.122	0.006	568.299	0.03	0.014
Generator Sets	2013	2013Generator Sets500	500	0.302	3.989	1.211	0.114	0.114	0.005	568.299	0.027	0.014
Generator Sets	2013	2013Generator Sets750	750	0.312	4.113	1.211	0.116	0.116	0.005	568.299	0.028	0.014
Generator Sets	2013	2013Generator Sets9999	9999	0.425	5.494	1.502	0.152	0.152	0.005	568.299	0.038	0.014
Generator Sets	2014	2014Generator Sets15	15	0.783	5.369	3.723	0.298	0.298	0.008	568.299	0.07	0.014
Generator Sets	2014	2014Generator Sets25	25	0.821	5	2.78	0.272	0.272	0.007	568.299	0.074	0.014
Generator Sets	2014	2014Generator Sets50	50	1.427	5.048	4.683	0.389	0.389	0.007	568.299	0.128	0.014
Generator Sets	2014	2014Generator Sets120	120	0.721	5.147	3.532	0.385	0.385	0.006	568.299	0.065	0.014
Generator Sets	2014	2014Generator Sets175	175	0.486	4.565	2.945	0.212	0.212	0.006	568.299	0.043	0.014
Generator Sets	2014	2014Generator Sets250	250	0.311	4.025	1.13	0.111	0.111	0.006	568.3	0.028	0.014
Generator Sets	2014	2014Generator Sets500	500	0.279	3.603	1.157	0.104	0.104	0.005	568.299	0.025	0.014
Generator Sets	2014	2014Generator Sets750	750	0.289	3.724	1.157	0.106	0.106	0.005	568.299	0.026	0.014
Generator Sets	2014	2014Generator Sets9999	9999	0.389	5.15	1.377	0.138	0.138	0.005	568.299	0.035	0.014
Generator Sets	2015	2015Generator Sets15	15	0.747	5.141	3.658	0.28	0.28	0.008	568.299	0.067	0.014
Generator Sets	2015	2015Generator Sets25	25	0.793	4.89	2.666	0.256	0.256	0.007	568.299	0.071	0.014
Generator Sets	2015	2015Generator Sets50	50	1.281	4.858	4.538	0.353	0.353	0.007	568.299	0.115	0.014
Generator Sets	2015	2015Generator Sets120	120	0.651	4.769	3.499	0.347	0.347	0.006	568.299	0.058	0.014
Generator Sets	2015	2015Generator Sets175	175	0.44	4.138	2.938	0.191	0.191	0.006	568.299	0.039	0.014
Generator Sets	2015	2015Generator Sets250	250	0.287	3.633	1.104	0.1	0.1	0.006	568.3	0.025	0.014
Generator Sets	2015	2015Generator Sets500	500	0.258	3.231	1.114	0.094	0.094	0.005	568.299	0.023	0.014
Generator Sets	2015	2015Generator Sets750	750	0.267	3.347	1.114	0.096	0.096	0.005	568.299	0.024	0.014
Generator Sets	2015	2015Generator Sets9999	9999	0.351	4.822	1.269	0.124	0.124	0.005	568.299	0.031	0.014
Generator Sets	2016	2016Generator Sets15	15	0.72	4.978	3.622	0.264	0.264	0.008	568.299	0.065	0.014
Generator Sets	2016	2016Generator Sets25	25	0.773	4.803	2.604	0.244	0.244	0.007	568.299	0.069	0.014
Generator Sets	2016	2016Generator Sets50	50	1.146	4.685	4.41	0.318	0.318	0.007	568.299	0.103	0.014
Generator Sets	2016	2016Generator Sets120	120	0.583	4.41	3.469	0.309	0.309	0.006	568.299	0.052	0.014
Generator Sets	2016	2016Generator Sets175	175	0.396	3.731	2.934	0.17	0.17	0.006	568.299	0.035	0.014
Generator Sets	2016	2016Generator Sets250	250	0.265	3.259	1.081	0.09	0.09	0.006	568.299	0.023	0.014
Generator Sets	2016	2016Generator Sets500	500	0.239	2.882	1.077	0.084	0.084	0.005	568.299	0.021	0.014
Generator Sets	2016	2016Generator Sets750	750	0.247	2.989	1.077	0.086	0.086	0.005	568.3	0.022	0.014
Generator Sets	2016	2016Generator Sets9999	9999	0.324	4.542	1.204	0.113	0.113	0.005	568.299	0.029	0.014
Generator Sets	2017	2017Generator Sets15	15	0.699	4.847	3.599	0.25	0.25	0.008	568.299	0.063	0.014
Generator Sets	2017	2017Generator Sets25	25	0.757	4.729	2.564	0.233	0.233	0.007	568.299	0.068	0.014
Generator Sets	2017	2017Generator Sets50	50	1.017	4.522	4.292	0.285	0.285	0.007	568.299	0.091	0.014
Generator Sets	2017	2017Generator Sets120	120	0.52	4.072	3.442	0.274	0.274	0.006	568.299	0.046	0.014
Generator Sets	2017	2017Generator Sets175	175	0.356	3.347	2.931	0.151	0.151	0.006	568.299	0.032	0.014
Generator Sets	2017	2017Generator Sets250	250	0.245	2.91	1.063	0.081	0.081	0.006	568.299	0.022	0.014
Generator Sets	2017	2017Generator Sets500	500	0.224	2.579	1.048	0.076	0.076	0.005	568.299	0.02	0.014
Generator Sets	2017	2017Generator Sets750	750	0.23	2.66	1.048	0.077	0.077	0.005	568.299	0.02	0.014
Generator Sets	2017	2017Generator Sets9999	9999	0.301	4.293	1.161	0.104	0.104	0.005	568.299	0.027	0.014
Generator Sets	2018	2018Generator Sets15	15	0.679	4.728	3.58	0.237	0.237	0.008	568.299	0.061	0.014
Generator Sets	2018	2018Generator Sets25	25	0.744	4.661	2.531	0.224	0.224	0.007	568.299	0.067	0.014
Generator Sets	2018	2018Generator Sets50	50	0.895	4.366	4.182	0.253	0.253	0.007	568.299	0.08	0.014
Generator Sets	2018	2018Generator Sets120	120	0.461	3.752	3.418	0.239	0.239	0.006	568.299	0.041	0.014
Generator Sets	2018	2018Generator Sets175	175	0.319	2.989	2.93	0.133	0.133	0.006	568.299	0.028	0.014
Generator Sets	2018	2018Generator Sets250	250	0.226	2.582	1.048	0.072	0.072	0.006	568.299	0.02	0.014
Generator Sets	2018	2018Generator Sets500	500	0.211	2.31	1.028	0.069	0.069	0.005	568.299	0.019	0.014
Generator Sets	2018	2018Generator Sets750	750	0.215	2.37	1.028	0.07	0.07	0.005	568.299	0.019	0.014
Generator Sets	2018	2018Generator Sets9999	9999	0.28	4.058	1.128	0.095	0.095	0.005	568.299	0.025	0.014
Generator Sets	2019	2019Generator Sets15	15	0.662	4.617	3.562	0.224	0.224	0.008	568.299	0.059	0.014
Generator Sets	2019	2019Generator Sets25	25	0.731	4.596	2.501	0.214	0.214	0.007	568.299	0.066	0.014
Generator Sets	2019	2019Generator Sets50	50	0.779	4.215	4.076	0.222	0.222	0.007	568.299	0.07	0.014
Generator Sets	2019	2019Generator Sets120	120	0.405	3.446	3.396	0.206	0.206	0.006	568.299	0.036	0.014
Generator Sets	2019	2019Generator Sets175	175	0.29	2.669	2.929	0.118	0.118	0.006	568.299	0.026	0.014
Generator Sets	2019	2019Generator Sets250	250	0.211	2.285	1.036	0.064	0.064	0.006	568.299	0.019	0.014
Generator Sets	2019	2019Generator Sets500	500	0.199	2.056	1.015	0.062	0.062	0.005	568.299	0.018	0.014
Generator Sets	2019	2019Generator Sets750	750	0.202	2.104	1.015	0.062	0.062	0.005	568.299	0.018	0.014
Generator Sets	2019	2019Generator Sets9999	9999	0.261	3.829	1.103	0.087	0.087	0.005	568.299	0.023	0.014
Generator Sets	2020	2020Generator Sets15	15	0.646	4.516	3.546	0.212	0.212	0.008	568.299	0.058	0.014
Generator Sets	2020	2020Generator Sets25	25	0.721	4.538	2.473	0.205	0.205	0.007	568.299	0.065	0.014
Generator Sets	2020	2020Generator Sets50	50	0.691	4.075	3.995	0.194	0.194	0.007	568.299	0.062	0.014
Generator Sets	2020	2020Generator Sets120	120	0.364	3.173	3.38	0.179	0.179	0.006	568.299	0.032	0.014
Generator Sets	2020	2020Generator Sets175	175	0.267	2.38	2.93	0.105	0.105	0.006	568.299	0.024	0.014
Generator Sets	2020	2020Generator Sets250	250	0.198	2.016	1.026	0.057	0.057	0.006	568.299	0.017	0.014
Generator Sets	2020	2020Generator Sets500	500	0.188	1.816	1.005	0.055	0.055	0.005	568.299	0.017	0.014
Generator Sets	2020	2020Generator Sets750	750	0.191	1.858	1.005	0.056	0.056	0.005	568.299	0.017	0.014
Generator Sets	2020	2020Generator Sets9999	9999	0.242	3.608	1.082	0.079	0.079	0.005	568.3	0.021	0.014
Generator Sets	2021	2021Generator Sets15	15	0.634	4.441	3.531	0.201	0.201	0.008	568.299	0.057	0.014
Generator Sets	2021	2021Generator Sets25	25	0.712	4.497	2.446	0.196	0.196	0.007	568.299	0.064	0.014
Generator Sets	2021	2021Generator Sets50	50	0.613	3.916	3.905	0.165	0.165	0.007	568.299	0.055	0.014
Generator Sets	2021	2021Generator Sets120	120	0.326	2.888	3.361	0.153	0.153	0.006	568.299	0.029	0.014
Generator Sets	2021	2021Generator Sets175	175	0.243	2.068	2.925	0.091	0.091	0.006	568.299	0.021	0.014
Generator Sets	2021	2021Generator Sets250	250	0.183	1.73	1.016	0.049	0.049	0.006	568.299	0.016	0.014
Generator Sets	2021	2021Generator Sets500	500	0.175	1.562	0.996	0.048	0.048	0.005	568.299	0.015	0.014
Generator Sets	2021	2021Generator Sets750	750	0.177	1.596	0.996	0.048	0.048	0.005	568.299	0.016	0.014
Generator Sets	2021	2021Generator Sets9999	9999	0.22	3.372	1.06	0.07	0.07	0.005	568.3	0.019	0.014
Generator Sets	2022	2022Generator Sets15	15	0.626	4.39	3.519	0.193	0.193	0.008	568.299	0.056	0.014
Generator Sets	2022	2022Generator Sets25	25	0.706	4.47	2.426	0.188	0.188	0.007	568.299	0.063	0.014
Generator Sets	2022	2022Generator Sets50	50	0.56	3.796	3.858	0.143	0.143	0.007	568.299	0.05	0.014
Generator Sets	2022	2022Generator Sets120	120	0.301	2.671	3.353	0.134	0.134	0.006	568.299	0.027	0.014
Generator Sets	2022	2022Generator Sets175	175	0.226	1.83	2.926	0.081	0.081	0.006	568.299	0.02	0.014
Generator Sets	2022	2022Generator Sets250	250	0.173	1.508	1.01	0.043	0.043	0.006	568.299	0.015	0.014
Generator Sets	2022	2022Generator Sets500	500	0.166	1.384	0.99	0.042	0.042	0.005	568.299	0.015	0.014
Generator Sets	2022	2022Generator Sets750	750	0.168	1.412	0.99	0.043	0.043	0.005	568.299	0.015	0.014
Generator Sets	2022	2022Generator Sets9999	9999	0.206	3.202	1.045	0.063	0.063	0.005	568.299	0.018	0.014
Generator Sets	2023	2023Generator Sets15	15	0.618	4.345	3.508	0.186	0.186	0.008	568.299	0.055	0.014
Generator Sets	2023	2023Generator Sets25	25	0.701	4.447	2.407	0.182	0.182	0.007	568.299	0.063	0.014
Generator Sets	2023	2023Generator Sets50	50	0.514	3.685	3.819	0.124	0.124	0.007	568.299	0.046	0.014
Generator Sets	2023	2023Generator Sets120	120	0.279	2.477	3.347	0.117	0.117	0.006	568.299	0.025	0.014
Generator Sets	2023	2023Generator Sets175	175	0.211	1.635	2.927	0.071	0.071	0.006	568.299	0.019	0.014
Generator Sets	2023	2023Generator Sets250	250	0.164	1.328	1.006	0.038	0.038	0.006	568.299	0.014	0.014
Generator Sets	2023	2023Generator Sets500	500	0.158	1.228	0.986	0.037	0.037	0.005	568.299	0.014	0.014

Generator Sets	2023	2023Generator Sets750	750	0.16	1.253	0.986	0.037	0.037	0.005	568.299	0.014	0.014
Generator Sets	2023	2023Generator Sets9999	9999	0.194	3.058	1.031	0.058	0.058	0.005	568.299	0.017	0.014
Generator Sets	2024	2024Generator Sets15	15	0.612	4.305	3.499	0.181	0.181	0.008	568.299	0.055	0.014
Generator Sets	2024	2024Generator Sets25	25	0.697	4.426	2.39	0.178	0.178	0.007	568.299	0.062	0.014
Generator Sets	2024	2024Generator Sets50	50	0.475	3.582	3.787	0.107	0.107	0.007	568.299	0.042	0.014
Generator Sets	2024	2024Generator Sets120	120	0.26	2.321	3.342	0.101	0.101	0.006	568.299	0.023	0.014
Generator Sets	2024	2024Generator Sets175	175	0.197	1.462	2.929	0.062	0.062	0.006	568.299	0.017	0.014
Generator Sets	2024	2024Generator Sets250	250	0.155	1.169	1.003	0.033	0.033	0.006	568.299	0.014	0.014
Generator Sets	2024	2024Generator Sets500	500	0.151	1.082	0.983	0.032	0.032	0.005	568.3	0.013	0.014
Generator Sets	2024	2024Generator Sets750	750	0.152	1.104	0.983	0.032	0.032	0.005	568.299	0.013	0.014
Generator Sets	2024	2024Generator Sets9999	9999	0.183	2.929	1.018	0.052	0.052	0.005	568.3	0.016	0.014
Generator Sets	2025	2025Generator Sets15	15	0.607	4.269	3.491	0.178	0.178	0.008	568.299	0.054	0.014
Generator Sets	2025	2025Generator Sets25	25	0.694	4.407	2.376	0.175	0.175	0.007	568.299	0.062	0.014
Generator Sets	2025	2025Generator Sets50	50	0.44	3.481	3.758	0.093	0.093	0.007	568.3	0.039	0.014
Generator Sets	2025	2025Generator Sets120	120	0.243	2.185	3.338	0.087	0.087	0.006	568.299	0.021	0.014
Generator Sets	2025	2025Generator Sets175	175	0.184	1.297	2.93	0.053	0.053	0.006	568.299	0.016	0.014
Generator Sets	2025	2025Generator Sets250	250	0.147	1.02	1	0.028	0.028	0.006	568.299	0.013	0.014
Generator Sets	2025	2025Generator Sets500	500	0.144	0.945	0.981	0.027	0.027	0.005	568.3	0.013	0.014
Generator Sets	2025	2025Generator Sets750	750	0.145	0.964	0.981	0.027	0.027	0.005	568.299	0.013	0.014
Generator Sets	2025	2025Generator Sets9999	9999	0.173	2.812	1.008	0.047	0.047	0.005	568.299	0.015	0.014
Generator Sets	2030	2030Generator Sets15	15	0.592	4.164	3.47	0.166	0.166	0.008	568.299	0.053	0.014
Generator Sets	2030	2030Generator Sets25	25	0.686	4.347	2.34	0.165	0.165	0.007	568.299	0.061	0.014
Generator Sets	2030	2030Generator Sets50	50	0.315	3.107	3.64	0.038	0.038	0.007	568.299	0.028	0.014
Generator Sets	2030	2030Generator Sets120	120	0.178	1.645	3.316	0.034	0.034	0.006	568.299	0.016	0.014
Generator Sets	2030	2030Generator Sets175	175	0.13	0.601	2.929	0.023	0.023	0.006	568.299	0.011	0.014
Generator Sets	2030	2030Generator Sets250	250	0.12	0.504	0.998	0.016	0.016	0.006	568.299	0.01	0.014
Generator Sets	2030	2030Generator Sets500	500	0.119	0.476	0.978	0.015	0.015	0.005	568.299	0.01	0.014
Generator Sets	2030	2030Generator Sets750	750	0.119	0.482	0.978	0.015	0.015	0.005	568.299	0.01	0.014
Generator Sets	2030	2030Generator Sets9999	9999	0.128	2.483	0.979	0.029	0.029	0.005	568.299	0.011	0.014
Generator Sets	2035	2035Generator Sets15	15	0.589	4.143	3.47	0.162	0.162	0.008	568.299	0.053	0.014
Generator Sets	2035	2035Generator Sets25	25	0.685	4.332	2.34	0.162	0.162	0.007	568.299	0.061	0.014
Generator Sets	2035	2035Generator Sets50	50	0.276	2.991	3.607	0.018	0.018	0.007	568.299	0.024	0.014
Generator Sets	2035	2035Generator Sets120	120	0.156	1.458	3.31	0.016	0.016	0.006	568.299	0.014	0.014
Generator Sets	2035	2035Generator Sets175	175	0.113	0.373	2.929	0.013	0.013	0.006	568.299	0.01	0.014
Generator Sets	2035	2035Generator Sets250	250	0.11	0.331	0.998	0.011	0.011	0.006	568.299	0.009	0.014
Generator Sets	2035	2035Generator Sets500	500	0.11	0.328	0.978	0.011	0.011	0.005	568.299	0.009	0.014
Generator Sets	2035	2035Generator Sets750	750	0.11	0.328	0.978	0.011	0.011	0.005	568.299	0.009	0.014
Generator Sets	2035	2035Generator Sets9999	9999	0.114	2.362	0.978	0.022	0.022	0.005	568.299	0.01	0.014
Generator Sets	2040	2040Generator Sets15	15	0.589	4.142	3.469	0.161	0.161	0.008	568.299	0.053	0.014
Generator Sets	2040	2040Generator Sets25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Generator Sets	2040	2040Generator Sets50	50	0.273	2.941	3.601	0.012	0.012	0.007	568.3	0.024	0.014
Generator Sets	2040	2040Generator Sets120	120	0.152	1.399	3.308	0.012	0.012	0.006	568.299	0.013	0.014
Generator Sets	2040	2040Generator Sets175	175	0.107	0.293	2.928	0.01	0.01	0.006	568.299	0.009	0.014
Generator Sets	2040	2040Generator Sets250	250	0.106	0.277	0.997	0.009	0.009	0.006	568.299	0.009	0.014
Generator Sets	2040	2040Generator Sets500	500	0.106	0.277	0.978	0.009	0.009	0.005	568.299	0.009	0.014
Generator Sets	2040	2040Generator Sets750	750	0.106	0.277	0.978	0.009	0.009	0.005	568.3	0.009	0.014
Generator Sets	2040	2040Generator Sets9999	9999	0.107	2.33	0.978	0.02	0.02	0.005	568.299	0.009	0.014
Graders	1990	1990Graders50	50	4.776	7.935	9.678	1.265	1.265	0.871	568.3	0.431	0.014
Graders	1990	1990Graders120	120	2.332	14.78	5.658	1.325	1.325	0.791	568.299	0.21	0.014
Graders	1990	1990Graders175	175	1.707	13.838	5.007	0.946	0.946	0.758	568.299	0.154	0.014
Graders	1990	1990Graders250	250	1.707	13.838	5.007	0.946	0.946	0.758	568.299	0.154	0.014
Graders	1990	1990Graders500	500	1.512	13.128	10.95	0.811	0.811	0.662	568.299	0.136	0.014
Graders	1990	1990Graders750	750	1.512	13.128	10.95	0.826	0.826	1.018	568.3	0.136	0.014
Graders	2000	2000Graders50	50	4.487	7.082	9.239	0.935	0.935	0.066	568.299	0.404	0.014
Graders	2000	2000Graders120	120	1.855	10.486	4.675	0.904	0.904	0.06	568.3	0.167	0.014
Graders	2000	2000Graders175	175	1.256	9.601	3.786	0.531	0.531	0.057	568.299	0.113	0.014
Graders	2000	2000Graders250	250	1.061	9.264	3.039	0.437	0.437	0.057	568.299	0.095	0.014
Graders	2000	2000Graders500	500	0.961	8.805	4.848	0.384	0.384	0.05	568.3	0.086	0.014
Graders	2000	2000Graders750	750	0.961	8.805	4.848	0.384	0.384	0.052	568.299	0.086	0.014
Graders	2005	2005Graders50	50	3.993	6.612	8.559	0.868	0.868	0.066	568.299	0.36	0.014
Graders	2005	2005Graders120	120	1.623	9.021	4.406	0.849	0.849	0.06	568.3	0.146	0.014
Graders	2005	2005Graders175	175	1.062	8.238	3.522	0.469	0.469	0.057	568.299	0.095	0.014
Graders	2005	2005Graders250	250	0.784	7.837	2.17	0.314	0.314	0.057	568.299	0.07	0.014
Graders	2005	2005Graders500	500	0.692	7.117	2.913	0.279	0.279	0.05	568.299	0.062	0.014
Graders	2005	2005Graders750	750	0.703	7.284	2.909	0.282	0.282	0.052	568.299	0.063	0.014
Graders	2010	2010Graders50	50	3.0400	6.50487	8.828	0.8520	0.7830	0.005	547.2284	0.1590	0.014
Graders	2010	2010Graders120	120	1.3220	10.4805	4.95239	0.8540	0.7860	0.0050	523.7684	0.1520	0.013
Graders	2010	2010Graders175	175	0.8620	8.98998	3.90428	0.4960	0.4560	0.005	536.7031	0.1560	0.014
Graders	2010	2010Graders250	250	0.3580	5.73143	1.43786	0.1820	0.167	0.0050	530.3343	0.1540	0.014
Graders	2010	2010Graders500	500	0.2720	3.80781	1.81115	0.1420	0.1300	0.0050	525.6597	0.153	0.013
Graders	2010	2010Graders750	750	0.535	5.386	1.861	0.202	0.202	0.005	568.299	0.048	0.014
Graders	2011	2011Graders50	50	3.0710	6.52829	8.9223	0.8600	0.7910	0.005	545.8822	0.1590	0.014
Graders	2011	2011Graders120	120	1.3060	10.3495	4.9423	0.8470	0.7800	0.0050	522.5082	0.1520	0.013
Graders	2011	2011Graders175	175	0.8570	8.91245	3.91881	0.4940	0.4550	0.005	535.2864	0.1560	0.014
Graders	2011	2011Graders250	250	0.367	5.74733	1.44556	0.1830	0.1690	0.0050	529.0473	0.1540	0.013
Graders	2011	2011Graders500	500	0.2870	3.81827	1.83104	0.144	0.1320	0.0050	524.3479	0.153	0.013
Graders	2011	2011Graders750	750	0.509	4.992	1.744	0.184	0.184	0.005	568.299	0.045	0.014
Graders	2012	2012Graders50	50	3.1010	6.55055	9.01183	0.8670	0.7980	0.005	544.5383	0.1590	0.014
Graders	2012	2012Graders120	120	1.3030	10.2881	4.94871	0.848	0.7800	0.0050	521.1967	0.1520	0.013
Graders	2012	2012Graders175	175	0.8600	8.89699	3.94251	0.496	0.4560	0.005	533.878	0.1560	0.014
Graders	2012	2012Graders250	250	0.3780	5.777	1.45898	0.1850	0.1710	0.0050	527.8224	0.1540	0.013
Graders	2012	2012Graders500	500	0.2990	3.8123	1.82432	0.145	0.1330	0.0050	522.8547	0.153	0.013
Graders	2012	2012Graders750	750	0.485	4.624	1.642	0.168	0.168	0.005	568.299	0.043	0.014
Graders	2013	2013Graders50	50	3.1280	6.57166	9.0966	0.8740	0.8040	0.005	541.8285	0.1590	0.014
Graders	2013	2013Graders120	120	1.3010	10.2424	4.95898	0.8490	0.7810	0.0050	518.5552	0.1520	0.013
Graders	2013	2013Graders175	175	0.8570	8.8338	3.95423	0.4950	0.4550	0.005	530.9753	0.1560	0.014
Graders	2013	2013Graders250	250	0.383	5.74577	1.45924	0.1850	0.1700	0.0050	525.0407	0.1540	0.013
Graders	2013	2013Graders500	500	0.3020	3.71231	1.7965	0.1410	0.13	0.0050	520.0526	0.1530	0.013
Graders	2013	2013Graders750	750	0.462	4.281	1.556	0.152	0.152	0.005	568.299	0.041	0.014
Graders	2014	2014Graders50	50	3.0940	6.54967	9.06534	0.8670	0.7980	0.005	539.1216	0.1590	0.014
Graders	2014	2014Graders120	120	1.2690	9.98567	4.91977	0.832	0.7650	0.0050	515.3819	0.1520	0.013
Graders	2014	2014Graders175	175	0.8470	8.70206	3.95083	0.4880	0.4490	0.005	527.8337	0.156	0.013
Graders	2014	2014Graders250	250	0.3900	5.73998	1.46245	0.1850	0.1710	0.0050	522.3298	0.1540	0.013
Graders	2014	2014Graders500	500	0.3140	3.71371	1.79096	0.1430	0.1310	0.0050	517.3766	0.1530	0.013
Graders	2014	2014Graders750	750	0.437	3.876	1.483	0.138	0.138	0.005	568.299	0.039	0.014
Graders	2015	2015Graders50	50	3.1190	6.56967	9.14399	0.8740	0.8040	0.005	533.6812	0.1590	0.014
Graders	2015	2015Graders120	120	1.2390	9.73775	4.88439	0.8130	0.7480	0.0050	509.597	0.1520	0.013
Graders	2015	2015Graders175	175	0.8440	8.63742	3.95849	0.4860	0.4470	0.005	522.2182	0.1560	0.013
Graders	2015	2015Graders250	250	0.396	5.72754	1.46577	0.1860	0.1710	0.0050	517.1275	0.1540	0.013
Graders	2015	2015Graders500	500	0.3260	3.72122	1.79107	0.1440	0.1330	0.0050	512.0975	0.1530	0.013
Graders	2015	2015Graders750	750	0.414	3.501	1.42	0.124	0.124	0.005	568.299	0.037	0.014
Graders	2016	2016Graders50	50	3.0850	6.51973	9.10623	0.8640	0.7950	0.005	528.2444	0.1590	0.013
Graders	2016	2016Graders120	120	1.1930	9.41488	4.82948	0.7800	0.7180	0.0050	503.1614	0.1520	0.013
Graders	2016	2016Graders175	175	0.8100	8.24966	3.91624	0.4630	0.4260	0.005	516.1305	0.1560	0.013
Graders	2016	2016Graders250	250	0.3980	5.6628	1.45911	0.184	0.1690	0.0050	511.6959	0.1540	0.013
Graders	2016	2016Graders500	500	0.3340	3.6858	1.77374	0.144	0.1320	0.0050	506.5064	0.1530	0.013
Graders	2016	2016Graders750	750	0.393	3.154	1.367	0.112	0.112	0.005	568.299	0.035	0.014
Graders	2017	2017Graders50	50	3.0070	6.423	8.97826	0.8430	0.776	0.005	520.0747	0.1590	0.013
Graders	2017	2017Graders120	120	1.1640	9.19125	4.81041	0.7590	0.6980	0.0050	495.9186	0.1520	0.013
Graders	2017	2017Graders175	175	0.7570	7.66265	3.84518	0.4300	0.396	0.0050	506.7478	0.1550	0.013
Graders	2017	2017Graders250	250	0.3960	5.52488	1.44905	0.1800	0.1660	0.0050	503.8022	0.1540	0.013
Graders	2017	2017Graders500	500	0.3340	3.55709	1.70747	0.1390	0.1280	0.0050	498.5996	0.1530	0.013
Graders	2017	2017Graders750	750	0.372	2.835	1.323	0.1	0.1	0.005	568.299	0.033	0.014
Graders	2018	2018Graders50	50	2.8090	6.17962	8.62631	0.7900	0.7260	0.005	511.9098	0.1590	0.013
Graders	2018	2018Graders120	120	1.0750	8.51954	4.69711	0.6970	0.6410	0.0050	487.6979	0.1520	0.012
Graders	2018	2018Graders175	175	0.6610	6.60465	3.70957	0.3710	0.3420	0.0050	497.3767	0.1550	0.013
Graders	2018	2018Graders250	250	0.3840	5.27094	1.41595	0.1710	0.1580	0.0050	495.431	0.1540	0.013
Graders	2018	2018Graders500	500	0.3240	3.34465	1.56446	0.1290	0.1190	0.0050	490.5758	0.1530	0.012
Graders	2018	2018Graders750	750	0.353	2.543	1.286	0.09	0.09	0.005	568.299	0.031	0.014
Graders	2019	2019Graders50	50	2.6160	5.94463	8.27912	0.7370	0.6780	0.005	503.7509	0.1590	0.013
Graders	2019	2019Graders120	120	1.0320	8.1592	4.6424	0.6650	0.612	0.0050	479.9011	0.1520	0.012
Graders	2019	2019Graders175	175	0.6090	6.01354	3.65586	0.3370	0.3100	0.0050	489.0419	0.1550	0.012
Graders	2019	2019Graders250	250	0.3600	4.86575	1.35927	0.1560	0.1440	0.0050	486.3288	0.1540	0.012
Graders	2019	2019Graders500	500	0.3230	3.21794	1.52849	0.1240	0.1140	0.0050	482.5879	0.1530	0.012
Graders	2019	2019Graders750	750	0.335	2.276	1.255	0.08	0.08	0.005	568.299	0.03	0.014
Graders	2020	2020Graders50	50	2.5160	5.82549	8.13394	0.7090	0.6520	0.005	492.8615	0.1590	0.013
Graders	2020	2020Graders120	120	0.976	7.72513	4.56142	0.622	0.5720	0.0050	469.3371	0.1520	0.012
Graders	2020	2020Graders175	175	0.5670	5.53045	3.62102	0.3090	0.2840	0.0050	478.0403	0.1550	0.012
Graders	2020	2020Graders250	250	0.3520	4.67787	1.34183	0.1500	0.1380	0.0050	475.3037	0.1540	0.012
Graders	2020	2020Graders500	500	0.322	3.10731	1.5256	0.1210	0.111	0.0050	471.9795	0.1530	0.012
Graders	2020	2020Graders750	750	0.319	2.031	1.229	0.072	0.072	0.005	568.299	0.028	0.014
Graders	2021	2021Graders50	50	2.2350	5.48468	7.62621	0.6310	0.5810	0.005	492.9352	0.1590	0.013
Graders	2021	2021Graders120	120	0.9010	7.12535	4.45175	0.5700	0.5240	0.0050	469.0701	0.1520	0.012
Graders	2021	2021Graders175	175	0.5050	4.83947	3.55896	0.27	0.2480	0.0050	478.5289	0.1550	0.012
Graders	2021	2021Graders250	250	0.335	4.38134	1.30687	0.1390	0.1280	0.0050	474.5386	0.1530	0.012
Graders	2021	2021Graders500	500	0.322	3.01257	1.46044	0.117	0.1080	0.0050	471.8981	0.1530	0.012
Graders	2021	2021Graders750	750	0.303	1.808	1.207	0.064	0.064	0.005	568.299	0.027	0.014
Graders	2022	2022Graders50	50	2.1060	5.33188	7.42848	0.5950	0.547	0.005	493.0249	0.1590	0.013
Graders	2022	2022Graders120	120	0.7960	6.36004	4.32966	0.4930	0.4530	0.0050	469.6301	0.1520	0.012
Graders	2022	2022Graders175	175	0.4400	4.12488	3.49283	0.2290	0.2110	0.0050	478.5664	0.1550	0.012
Graders	2022	2022Graders250	250	0.3070	3.8881	1.27327	0.1240	0.1140	0.0050	474.239	0.1530	0.012
Graders	2022	2022Graders500	500	0.311	2.80191	1.38967	0.1080	0.1000	0.0050	471.9278	0.1530	0.012

Graders	2022	2022Graders750	750	0.289	1.606	1.187	0.057	0.057	0.005	568.299	0.026	0.014
Graders	2023	2023Graders50	50	1.9470	5.14799	7.19094	0.5490	0.5050	0.0050	494.0202	0.1600	0.013
Graders	2023	2023Graders120	120	0.719	5.74006	4.22811	0.4360	0.4010	0.0050	469.2859	0.1520	0.012
Graders	2023	2023Graders175	175	0.3900	3.54785	3.45006	0.1950	0.1800	0.0050	478.4629	0.1550	0.012
Graders	2023	2023Graders250	250	0.2840	3.44101	1.25173	0.1110	0.1030	0.0050	473.9256	0.1530	0.012
Graders	2023	2023Graders500	500	0.3090	2.70451	1.38481	0.1050	0.0970	0.0050	471.0306	0.1520	0.012
Graders	2023	2023Graders750	750	0.276	1.425	1.17	0.051	0.051	0.005	568.3	0.024	0.014
Graders	2024	2024Graders50	50	1.8500	5.0278	7.05059	0.5200	0.4790	0.0050	493.7913	0.1600	0.013
Graders	2024	2024Graders120	120	0.6830	5.43389	4.20033	0.408	0.3750	0.0050	469.8208	0.1520	0.012
Graders	2024	2024Graders175	175	0.3640	3.20219	3.43239	0.1770	0.1630	0.0050	478.4966	0.1550	0.012
Graders	2024	2024Graders250	250	0.2620	3.07323	1.22497	0.1000	0.0920	0.0050	473.6685	0.1530	0.012
Graders	2024	2024Graders500	500	0.2930	2.43171	1.35613	0.0950	0.0880	0.0050	470.2664	0.1520	0.012
Graders	2024	2024Graders750	750	0.264	1.265	1.155	0.046	0.046	0.005	568.3	0.023	0.014
Graders	2025	2025Graders50	50	1.8640	5.04301	7.12535	0.5220	0.4800	0.0050	493.5322	0.1600	0.013
Graders	2025	2025Graders120	120	0.6380	5.07379	4.14911	0.3710	0.3420	0.0050	468.3155	0.1510	0.012
Graders	2025	2025Graders175	175	0.3290	2.77396	3.41759	0.1520	0.1400	0.0050	478.5084	0.1550	0.012
Graders	2025	2025Graders250	250	0.2300	2.55629	1.17888	0.0820	0.0760	0.0050	473.4704	0.1530	0.012
Graders	2025	2025Graders500	500	0.2800	2.26485	1.31461	0.088	0.0810	0.0050	470.7533	0.1520	0.012
Graders	2025	2025Graders750	750	0.253	1.125	1.141	0.041	0.041	0.005	568.3	0.022	0.014
Graders	2030	2030Graders50	50	0.648	3.53	5.239	0.065	0.065	0.007	568.299	0.058	0.014
Graders	2030	2030Graders120	120	0.323	1.903	3.775	0.058	0.058	0.006	568.299	0.029	0.014
Graders	2030	2030Graders175	175	0.237	0.815	3.326	0.038	0.038	0.006	568.3	0.021	0.014
Graders	2030	2030Graders250	250	0.216	0.684	1.148	0.024	0.024	0.006	568.299	0.019	0.014
Graders	2030	2030Graders500	500	0.214	0.647	1.097	0.023	0.023	0.005	568.299	0.019	0.014
Graders	2030	2030Graders750	750	0.214	0.654	1.097	0.023	0.023	0.005	568.299	0.019	0.014
Graders	2035	2035Graders50	50	0.593	3.356	5.189	0.037	0.037	0.007	568.299	0.053	0.014
Graders	2035	2035Graders120	120	0.293	1.661	3.767	0.034	0.034	0.006	568.299	0.026	0.014
Graders	2035	2035Graders175	175	0.206	0.506	3.326	0.022	0.022	0.006	568.3	0.018	0.014
Graders	2035	2035Graders250	250	0.196	0.452	1.137	0.016	0.016	0.006	568.299	0.017	0.014
Graders	2035	2035Graders500	500	0.195	0.434	1.083	0.016	0.016	0.005	568.299	0.017	0.014
Graders	2035	2035Graders750	750	0.195	0.438	1.083	0.016	0.016	0.005	568.299	0.017	0.014
Graders	2040	2040Graders50	50	0.563	3.298	5.161	0.026	0.026	0.007	568.3	0.05	0.014
Graders	2040	2040Graders120	120	0.278	1.56	3.764	0.024	0.024	0.006	568.299	0.025	0.014
Graders	2040	2040Graders175	175	0.193	0.38	3.326	0.017	0.017	0.006	568.299	0.017	0.014
Graders	2040	2040Graders250	250	0.188	0.36	1.133	0.013	0.013	0.006	568.299	0.017	0.014
Graders	2040	2040Graders500	500	0.188	0.351	1.079	0.013	0.013	0.005	568.299	0.017	0.014
Graders	2040	2040Graders750	750	0.188	0.353	1.079	0.013	0.013	0.005	568.299	0.017	0.014
Off-Highway Tractors	1990	1990Off-Highway Tractors120	120	2.432	15.285	5.842	1.384	1.384	0.791	568.299	0.219	0.014
Off-Highway Tractors	1990	1990Off-Highway Tractors175	175	1.85	14.647	5.217	1.033	1.033	0.758	568.299	0.166	0.014
Off-Highway Tractors	1990	1990Off-Highway Tractors250	250	1.85	14.647	5.217	1.033	1.033	0.758	568.299	0.166	0.014
Off-Highway Tractors	1990	1990Off-Highway Tractors750	750	1.629	13.849	11.847	0.896	0.896	1.018	568.3	0.147	0.014
Off-Highway Tractors	1990	1990Off-Highway Tractors1000	1000	1.622	13.849	11.847	0.888	0.888	1.018	568.3	0.146	0.014
Off-Highway Tractors	2000	2000Off-Highway Tractors120	120	2.047	11.606	5.046	0.972	0.972	0.06	568.299	0.184	0.014
Off-Highway Tractors	2000	2000Off-Highway Tractors175	175	1.413	10.675	4.213	0.602	0.602	0.057	568.299	0.127	0.014
Off-Highway Tractors	2000	2000Off-Highway Tractors250	250	1.269	10.426	3.665	0.532	0.532	0.057	568.299	0.114	0.014
Off-Highway Tractors	2000	2000Off-Highway Tractors750	750	1.134	9.864	6.836	0.461	0.461	0.052	568.299	0.102	0.014
Off-Highway Tractors	2000	2000Off-Highway Tractors1000	1000	1.17	10.29	7.259	0.444	0.444	0.052	568.299	0.105	0.014
Off-Highway Tractors	2005	2005Off-Highway Tractors120	120	1.86	10.379	4.801	0.932	0.932	0.06	568.299	0.167	0.014
Off-Highway Tractors	2005	2005Off-Highway Tractors175	175	1.246	9.479	3.943	0.547	0.547	0.057	568.299	0.112	0.014
Off-Highway Tractors	2005	2005Off-Highway Tractors250	250	1.027	9.16	2.923	0.425	0.425	0.057	568.299	0.092	0.014
Off-Highway Tractors	2005	2005Off-Highway Tractors750	750	0.913	8.543	4.992	0.372	0.372	0.052	568.299	0.082	0.014
Off-Highway Tractors	2005	2005Off-Highway Tractors1000	1000	0.975	9.293	5.369	0.359	0.359	0.052	568.299	0.088	0.014
Off-Highway Tractors	2010	2010Off-Highway Tractors120	120	0.8440	7.39576	4.06859	0.6100	0.5610	0.0050	529.8898	0.1540	0.013
Off-Highway Tractors	2010	2010Off-Highway Tractors175	175	0.524	6.19445	3.25207	0.3220	0.2970	0.0050	526.0485	0.1530	0.013
Off-Highway Tractors	2010	2010Off-Highway Tractors250	250	0.4540	6.56823	1.80076	0.241	0.2220	0.0050	522.8212	0.1520	0.013
Off-Highway Tractors	2010	2010Off-Highway Tractors750	750	0.2970	4.74911	1.65183	0.1630	0.1500	0.0050	526.6401	0.1530	0.013
Off-Highway Tractors	2010	2010Off-Highway Tractors1000	1000	1.0380	12.2723	13.844	0.6240	0.5740	0.0050	524.505	0.1530	0.013
Off-Highway Tractors	2011	2011Off-Highway Tractors120	120	0.8050	7.12201	4.04749	0.5880	0.5410	0.0050	528.6123	0.1540	0.013
Off-Highway Tractors	2011	2011Off-Highway Tractors175	175	0.4950	5.88095	3.25718	0.307	0.2820	0.0050	524.5528	0.1530	0.013
Off-Highway Tractors	2011	2011Off-Highway Tractors250	250	0.4390	6.3706	1.73271	0.2300	0.2120	0.0050	521.5328	0.1520	0.013
Off-Highway Tractors	2011	2011Off-Highway Tractors750	750	0.3080	4.77936	1.66137	0.1660	0.1530	0.0050	525.3172	0.1530	0.013
Off-Highway Tractors	2011	2011Off-Highway Tractors1000	1000	1.0380	12.2723	13.844	0.6240	0.5740	0.0050	523.1938	0.1530	0.013
Off-Highway Tractors	2012	2012Off-Highway Tractors120	120	0.804	7.07175	4.07302	0.588	0.5410	0.0050	527.1281	0.1540	0.013
Off-Highway Tractors	2012	2012Off-Highway Tractors175	175	0.4820	5.70904	3.27598	0.2990	0.2760	0.0050	523.1986	0.1530	0.013
Off-Highway Tractors	2012	2012Off-Highway Tractors250	250	0.434	6.26836	1.70131	0.2250	0.2070	0.0050	520.2636	0.1520	0.013
Off-Highway Tractors	2012	2012Off-Highway Tractors750	750	0.318	4.80904	1.67078	0.1690	0.1550	0.0050	523.9941	0.1530	0.013
Off-Highway Tractors	2012	2012Off-Highway Tractors1000	1000	1.0380	12.2723	13.844	0.6240	0.5740	0.0050	521.8825	0.1530	0.013
Off-Highway Tractors	2013	2013Off-Highway Tractors120	120	0.769	6.79599	4.04714	0.564	0.5190	0.0050	524.1555	0.1540	0.013
Off-Highway Tractors	2013	2013Off-Highway Tractors175	175	0.4570	5.42114	3.28016	0.2810	0.2580	0.0050	520.6151	0.1530	0.013
Off-Highway Tractors	2013	2013Off-Highway Tractors250	250	0.4280	6.11434	1.67153	0.2190	0.2010	0.0050	517.5627	0.1520	0.013
Off-Highway Tractors	2013	2013Off-Highway Tractors750	750	0.2880	4.32547	1.42496	0.1490	0.1370	0.0050	519.6246	0.1530	0.013
Off-Highway Tractors	2013	2013Off-Highway Tractors1000	1000	1.0380	12.2723	13.844	0.6240	0.5740	0.0050	519.26	0.1530	0.013
Off-Highway Tractors	2014	2014Off-Highway Tractors120	120	0.6980	6.28073	3.97241	0.5130	0.4720	0.0050	520.8244	0.1540	0.013
Off-Highway Tractors	2014	2014Off-Highway Tractors175	175	0.4240	5.02525	3.26511	0.2580	0.2370	0.0050	518.1639	0.1530	0.013
Off-Highway Tractors	2014	2014Off-Highway Tractors250	250	0.4050	5.66092	1.62822	0.2030	0.1870	0.0050	514.3699	0.152	0.013
Off-Highway Tractors	2014	2014Off-Highway Tractors750	750	0.2670	4.00651	1.33448	0.133	0.1220	0.0050	516.904	0.1530	0.013
Off-Highway Tractors	2014	2014Off-Highway Tractors1000	1000	0.0850	2.27938	0.94694	0.0540	0.0500	0.0050	516.6375	0.1530	0.013
Off-Highway Tractors	2015	2015Off-Highway Tractors120	120	0.6740	6.06726	3.96474	0.4940	0.4550	0.0050	515.3203	0.1540	0.013
Off-Highway Tractors	2015	2015Off-Highway Tractors175	175	0.4020	4.72365	3.26419	0.2390	0.2200	0.0050	512.6079	0.153	0.013
Off-Highway Tractors	2015	2015Off-Highway Tractors250	250	0.4000	5.52773	1.60534	0.1990	0.183	0.0050	509.1896	0.152	0.013
Off-Highway Tractors	2015	2015Off-Highway Tractors750	750	0.2620	3.87437	1.17195	0.1260	0.1160	0.0050	511.0814	0.1530	0.013
Off-Highway Tractors	2015	2015Off-Highway Tractors1000	1000	0.096	2.29983	0.96003	0.0560	0.0510	0.0050	511.3924	0.1530	0.013
Off-Highway Tractors	2016	2016Off-Highway Tractors120	120	0.6250	5.6465	3.92464	0.4540	0.4180	0.0050	509.4472	0.1540	0.013
Off-Highway Tractors	2016	2016Off-Highway Tractors175	175	0.391	4.51093	3.27806	0.229	0.2110	0.0050	507.6294	0.1530	0.013
Off-Highway Tractors	2016	2016Off-Highway Tractors250	250	0.3590	4.92994	1.47177	0.1710	0.1570	0.0050	504.1229	0.1520	0.013
Off-Highway Tractors	2016	2016Off-Highway Tractors750	750	0.2520	3.57265	1.14348	0.1170	0.1080	0.0050	505.762	0.1530	0.013
Off-Highway Tractors	2016	2016Off-Highway Tractors1000	1000	0.1070	2.31987	0.97285	0.0570	0.0530	0.0050	506.1474	0.1530	0.013
Off-Highway Tractors	2017	2017Off-Highway Tractors120	120	0.5860	5.31726	3.90108	0.4230	0.389	0.0050	501.2453	0.1540	0.013
Off-Highway Tractors	2017	2017Off-Highway Tractors175	175	0.3560	4.02594	3.2589	0.2050	0.1890	0.0050	499.2446	0.153	0.013
Off-Highway Tractors	2017	2017Off-Highway Tractors250	250	0.3280	4.38216	1.403	0.1510	0.139	0.0050	496.4983	0.1520	0.013
Off-Highway Tractors	2017	2017Off-Highway Tractors750	750	0.2480	3.32351	1.14456	0.1120	0.1030	0.0050	497.6181	0.1520	0.013
Off-Highway Tractors	2017	20170ff-Highway Tractors1000	1000	0.1180	2.33951	0.98542	0.0590	0.0540	0.0050	498.2798	0.1530	0.013
Off-Highway Tractors	2018	2018Off-Highway Tractors120	120	0.5220	4.78732	3.83227	0.3730	0.343	0.0050	492.8709	0.1530	0.013
Off-Highway Tractors	2018	2018Off-Highway Tractors175	175	0.3150	3.49764	3.2191	0.1760	0.1620	0.0050	491.3142	0.153	0.013
Off-Highway Tractors	2018	2018Off-Highway Tractors250	250	0.2720	3.45421	1.29494	0.1190	0.1090	0.0050	488.6765	0.1520	0.012
Off-Highway Tractors	2018	2018Off-Highway Tractors750	750	0.1960	2.1656	1.11871	0.0810	0.0740	0.0050	490.1818	0.1530	0.012
Off-Highway Tractors	2018	2018Off-Highway Tractors1000	1000	0.1290	2.35874	0.99773	0.0600	0.0550	0.0050	490.4122	0.1530	0.012
Off-Highway Tractors	2019	2019Off-Highway Tractors120	120	0.4730	4.42145	3.79465	0.3310	0.3050	0.0050	484.2693	0.1530	0.012
Off-Highway Tractors	2019	2019Off-Highway Tractors175	175	0.2940	3.20755	3.21895	0.1590	0.1460	0.0050	483.4306	0.153	0.012
Off-Highway Tractors	2019	2019Off-Highway Tractors250	250	0.2380	2.9142	1.21832	0.0980	0.0900	0.0050	481.2751	0.1520	0.012
Off-Highway Tractors	2019	2019Off-Highway Tractors750	750	0.2050	2.17682	1.12934	0.082	0.0750	0.0050	482.3091	0.1530	0.012
Off-Highway Tractors	2019	2019Off-Highway Tractors1000	1000	0.1400	2.37757	1.00978	0.0620	0.0570	0.0050	482.5446	0.1530	0.012
Off-Highway Tractors	2020	2020Off-Highway Tractors120	120	0.4480	4.18317	3.78798	0.307	0.2820	0.0050	474.1481	0.1530	0.012
Off-Highway Tractors	2020	2020Off-Highway Tractors175	175	0.271	2.89032	3.21511	0.1400	0.129	0.0050	472.9169	0.153	0.012
Off-Highway Tractors	2020	2020Off-Highway Tractors250	250	0.2210	2.57547	1.1813	0.0860	0.0790	0.0050	470.943	0.1520	0.012
Off-Highway Tractors	2020	2020Off-Highway Tractors750	750	0.2010	2.04663	1.13143	0.0760	0.0700	0.0050	471.8151	0.1530	0.012
Off-Highway Tractors	2020	20200ff-Highway Tractors1000	1000	0.15	2.39599	1.02156	0.063	0.058	0.0050	472.0545	0.1530	0.012
Off-Highway Tractors	2021	2021Off-Highway Tractors120	120	0.3950	3.77306	3.74258	0.261	0.2400	0.0050	474.5155	0.1530	0.012
Off-Highway Tractors	2021	2021Off-Highway Tractors175	175	0.2590	2.65962	3.21953	0.1290	0.1180	0.0050	472.9236	0.153	0.012
Off-Highway Tractors	2021	2021Off-Highway Tractors250	250	0.2000	2.11341	1.16179	0.0720	0.0670	0.0050	471.0028	0.1520	0.012
Off-Highway Tractors	2021	2021Off-Highway Tractors750	750	0.1810	1.71505	1.12237	0.063	0.058	0.0050	471.8056	0.1530	0.012
Off-Highway Tractors	2021	20210ff-Highway Tractors1000	1000	0.1600	2.41401	1.0331	0.0640	0.0590	0.0050	472.0545	0.1530	0.012
Off-Highway Tractors	2022	2022Off-Highway Tractors120	120	0.3480	3.39986	3.70994	0.2190	0.2020	0.0050	475.2338	0.1540	0.012
Off-Highway Tractors	2022	2022Off-Highway Tractors175	175	0.2310	2.23877	3.18586	0.1070	0.0990	0.0050	472.8111	0.1530	0.012
Off-Highway Tractors	2022	2022Off-Highway Tractors250	250	0.1800	1.73242	1.14284	0.0600	0.0550	0.0050	471.1313	0.1520	0.012
Off-Highway Tractors	2022	2022Off-Highway Tractors750	750	0.171	1.43309	1.12111	0.0550	0.0500	0.0050	471.939	0.1530	0.012
Off-Highway Tractors	2022	20220ff-Highway Tractors1000	1000	0.1700	2.43162	1.04437	0.0660	0.0600	0.0050	472.0545	0.1530	0.012
Off-Highway Tractors	2023	2023Off-Highway Tractors120	120	0.3160	3.09527	3.68654	0.1870	0.1720	0.0050	476.0871	0.154	0.012
Off-Highway Tractors	2023	2023Off-Highway Tractors175	175	0.201	1.78476	3.14329	0.0850	0.0790	0.0050	472.9962	0.153	0.012
Off-Highway Tractors	2023	2023Off-Highway Tractors250	250	0.171	1.49148	1.13796	0.053	0.0490	0.0050	470.845	0.1520	0.012
Off-Highway Tractors	2023	2023Off-Highway Tractors750	750	0.1680	1.28868	1.12418	0.0510	0.0470	0.0050	471.9321	0.1530	0.012
Off-Highway Tractors	2023	20230ff-Highway Tractors1000	1000	0.1800	2.44883	1.05538	0.067	0.0620	0.0050	472.0545	0.1530	0.012
Off-Highway Tractors	2024	2024Off-Highway Tractors120	120	0.3020	2.94932	3.69095	0.1710	0.1570	0.0050	476.3711	0.1540	0.012
Off-Highway Tractors	2024	2024Off-Highway Tractors175	175	0.1830	1.49579	3.1328	0.0710	0.0660	0.0050	473.097	0.153	0.012
Off-Highway Tractors	2024	2024Off-Highway Tractors250	250	0.1690	1.37732	1.13461	0.0490	0.0450	0.0050	470.6894	0.1520	0.012
Off-Highway Tractors	2024	2024Off-Highway Tractors750	750	0.1690	1.23477	1.13006	0.0480	0.0440	0.0050	471.9247	0.1530	0.012
Off-Highway Tractors	2024	20240ff-Highway Tractors1000	1000	0.189	2.46563	1.06613	0.0680	0.0630	0.0050	472.0545	0.1530	0.012
Off-Highway Tractors	2025	2025Off-Highway Tractors120	120	0.2760	2.70745	3.66914	0.1440	0.1320	0.0050	476.9211	0.1540	0.012
Off-Highway Tractors	2025	2025Off-Highway Tractors175	175	0.1750	1.34858	3.14246	0.0650	0.0590	0.0050	473.3021	0.1530	0.012
Off-Highway Tractors	2025	2025Off-Highway Tractors250	250	0.1540	1.11624	1.13017	0.04	0.0370	0.0050	470.861	0.1520	0.012
Off-Highway Tractors	2025	2025Off-Highway Tractors750	750	0.1670	1.11804	1.13452	0.0450	0.0410	0.0050	471.9169	0.1530	0.012
Off-Highway Tractors	2025	20250ff-Highway Tractors1000	1000	0.1980	2.48203	1.07663	0.0690	0.0640	0.0050	472.0545	0.1530	0.012
Off-Highway Tractors	2030	2030Off-Highway Tractors120	120	0.518	2.959	3.944	0.175	0.175	0.006	568.299	0.046	0.014
Off-Highway Tractors	2030	2030Off-Highway Tractors175	175	0.373	1.916	3.435	0.104	0.104	0.006	568.299	0.033	0.014
Off-Highway Tractors	2030	2030Off-Highway Tractors250	250	0.315	1.715	1.286	0.064	0.064	0.006	568.299	0.028	0.014
Off-Highway Tractors	2030	2030Off-Highway Tractors750	750	0.304	1.59	1.351	0.06	0.06	0.005	568.299	0.027	0.014
Off-Highway Tractors	2030	20300ff-Highway Tractors1000	1000	0.318	3.569	1.409	0.078	0.078	0.005	568.3	0.028	0.014
Off-Highway Tractors	2035	2035Off-Highway Tractors120	120	0.418	2.35	3.902	0.107	0.107	0.006	568.299	0.037	0.014
Off-Highway Tractors	2035	2035Off-Highway Tractors175	175	0.301	1.252	3.421	0.065	0.065	0.006	568.299	0.027	0.014
Off-Highway Tractors	2035	2035Off-Highway Tractors250	250	0.268	1.115	1.232	0.042	0.042	0.006	568.299	0.024	0.014
Off-Highway Tractors	2035	2035Off-Highway Tractors750	750	0.262	1.045	1.238	0.04	0.04	0.005	568.299	0.023	0.014
Off-Highway Tractors	2035	20350ff-Highway Tractors1000	1000	0.269	3.116	1.268	0.056	0.056	0.005	568.299	0.024	0.014

Off-Highway Tractors	2040	2040Off-Highway Tractors120	120	0.362	1.976	3.878	0.067	0.067	0.006	568.299	0.032	0.014
Off-Highway Tractors	2040	2040Off-Highway Tractors175	175	0.257	0.836	3.412	0.041	0.041	0.006	568.299	0.023	0.014
Off-Highway Tractors	2040	2040Off-Highway Tractors250	250	0.237	0.747	1.198	0.028	0.028	0.006	568.299	0.021	0.014
Off-Highway Tractors	2040	2040Off-Highway Tractors750	750	0.234	0.71	1.164	0.027	0.027	0.005	568.299	0.021	0.014
Off-Highway Tractors	2040	2040Off-Highway Tractors1000	1000	0.238	2.844	1.183	0.042	0.042	0.005	568.299	0.021	0.014
Off-Highway Trucks	1990	1990Off-Highway Trucks175	175	2.005	15.394	5.36	1.133	1.133	0.758	568.299	0.18	0.014
Off-Highway Trucks	1990	1990Off-Highway Trucks250	250	2.005	15.394	5.36	1.133	1.133	0.758	568.299	0.18	0.014
Off-Highway Trucks	1990	1990Off-Highway Trucks500	500	1.757	14.499	12.538	0.959	0.959	0.662	568.299	0.158	0.014
Off-Highway Trucks	1990	1990Off-Highway Trucks750	750	1.757	14.499	12.538	0.976	0.976	1.018	568.299	0.158	0.014
Off-Highway Trucks	1990	1990Off-Highway Trucks1000	1000	1.746	14.499	12.538	0.963	0.963	1.018	568.3	0.157	0.014
Off-Highway Trucks	2000	2000Off-Highway Trucks175	175	1.278	9.57	3.772	0.548	0.548	0.057	568.299	0.115	0.014
Off-Highway Trucks	2000	2000Off-Highway Trucks250	250	1.039	9.178	2.896	0.425	0.425	0.057	568.299	0.093	0.014
Off-Highway Trucks	2000	2000Off-Highway Trucks500	500	0.94	8.675	4.214	0.376	0.376	0.05	568.299	0.084	0.014
Off-Highway Trucks	2000	2000Off-Highway Trucks750	750	0.94	8.675	4.214	0.376	0.376	0.052	568.299	0.084	0.014
Off-Highway Trucks	2000	2000Off-Highway Trucks1000	1000	1.003	9.339	4.878	0.355	0.355	0.052	568.3	0.09	0.014
Off-Highway Trucks	2005	2005Off-Highway Trucks175	175	1.075	8.1	3.531	0.481	0.481	0.057	568.299	0.097	0.014
Off-Highway Trucks	2005	2005Off-Highway Trucks250	250	0.748	7.652	1.978	0.291	0.291	0.057	568.299	0.067	0.014
Off-Highway Trucks	2005	2005Off-Highway Trucks500	500	0.669	6.848	2.332	0.26	0.26	0.05	568.299	0.06	0.014
Off-Highway Trucks	2005	2005Off-Highway Trucks750	750	0.677	7.052	2.33	0.264	0.264	0.052	568.299	0.061	0.014
Off-Highway Trucks	2005	2005Off-Highway Trucks1000	1000	0.773	8.177	2.812	0.266	0.266	0.052	568.299	0.069	0.014
Off-Highway Trucks	2010	2010Off-Highway Trucks175	175	0.6380	6.59182	3.51002	0.3900	0.3590	0.0050	522.6455	0.1520	0.013
Off-Highway Trucks	2010	2010Off-Highway Trucks250	250	0.5520	6.86617	2.13151	0.29	0.2670	0.0050	521.8781	0.1520	0.013
Off-Highway Trucks	2010	2010Off-Highway Trucks500	500	0.4300	5.52051	2.52222	0.2130	0.1960	0.0050	528.8078	0.1540	0.013
Off-Highway Trucks	2010	2010Off-Highway Trucks750	750	0.5330	6.54487	3.68555	0.2760	0.2540	0.0050	530.4366	0.1540	0.014
Off-Highway Trucks	2010	2010Off-Highway Trucks1000	1000	0.462	7.15365	2.05613	0.2110	0.1940	0.0050	526.5915	0.1530	0.013
Off-Highway Trucks	2011	2011Off-Highway Trucks175	175	0.592	6.13879	3.48667	0.357	0.3280	0.0050	521.3222	0.1520	0.013
Off-Highway Trucks	2011	2011Off-Highway Trucks250	250	0.5380	6.53722	2.08881	0.2780	0.256	0.0050	520.1539	0.1520	0.013
Off-Highway Trucks	2011	2011Off-Highway Trucks500	500	0.4330	5.39802	2.27798	0.2100	0.1930	0.0050	527.2602	0.1540	0.013
Off-Highway Trucks	2011	2011Off-Highway Trucks750	750	0.541	6.51376	3.68121	0.2760	0.2540	0.0050	529.0143	0.1540	0.013
Off-Highway Trucks	2011	2011Off-Highway Trucks1000	1000	0.4620	7.09609	2.03783	0.2110	0.1940	0.0050	524.7459	0.1530	0.013
Off-Highway Trucks	2012	2012Off-Highway Trucks175	175	0.5920	6.0668	3.51164	0.3540	0.3250	0.0050	519.901	0.1520	0.013
Off-Highway Trucks	2012	2012Off-Highway Trucks250	250	0.5430	6.43814	2.1013	0.2770	0.2550	0.0050	518.7133	0.1520	0.013
Off-Highway Trucks	2012	2012Off-Highway Trucks500	500	0.4420	5.37678	2.29017	0.2100	0.1930	0.0050	525.9398	0.1540	0.013
Off-Highway Trucks	2012	2012Off-Highway Trucks750	750	0.5560	6.55684	3.73128	0.2800	0.2580	0.0050	527.6141	0.1540	0.013
Off-Highway Trucks	2012	2012Off-Highway Trucks1000	1000	0.4700	7.10377	2.05327	0.2130	0.1960	0.0050	523.3305	0.1530	0.013
Off-Highway Trucks	2013	2013Off-Highway Trucks175	175	0.5650	5.78297	3.51059	0.3300	0.3040	0.0050	517.0124	0.152	0.013
Off-Highway Trucks	2013	2013Off-Highway Trucks250	250	0.524	6.05816	2.04802	0.2630	0.2420	0.0050	515.8273	0.1520	0.013
Off-Highway Trucks	2013	2013Off-Highway Trucks500	500	0.4220	5.06239	2.17762	0.1970	0.1810	0.0050	523.5459	0.1540	0.013
Off-Highway Trucks	2013	2013Off-Highway Trucks750	750	0.5420	6.30864	3.55888	0.2680	0.2470	0.0050	525.1075	0.1540	0.013
Off-Highway Trucks	2013	2013Off-Highway Trucks1000	1000	0.4560	6.89277	1.9094	0.2050	0.1890	0.0050	520.5876	0.1530	0.013
Off-Highway Trucks	2014	2014Off-Highway Trucks175	175	0.5130	5.21922	3.47308	0.2920	0.2690	0.0050	514.0574	0.1520	0.013
Off-Highway Trucks	2014	2014Off-Highway Trucks250	250	0.4830	5.4411	1.93163	0.2350	0.2170	0.0050	512.8333	0.1520	0.013
Off-Highway Trucks	2014	2014Off-Highway Trucks500	500	0.3930	4.68575	2.07518	0.1800	0.1650	0.0050	521.0573	0.154	0.013
Off-Highway Trucks	2014	2014Off-Highway Trucks750	750	0.4850	5.57816	2.95299	0.2310	0.2120	0.0050	521.2295	0.154	0.013
Off-Highway Trucks	2014	2014Off-Highway Trucks1000	1000	0.4150	6.36534	1.77934	0.1870	0.1720	0.0050	516.9385	0.1530	0.013
Off-Highway Trucks	2015	2015Off-Highway Trucks175	175	0.5080	5.10449	3.48853	0.2840	0.2620	0.0050	508.7011	0.1520	0.013
Off-Highway Trucks	2015	2015Off-Highway Trucks250	250	0.4730	5.24228	1.89994	0.2270	0.2090	0.0050	507.8087	0.1520	0.013
Off-Highway Trucks	2015	2015Off-Highway Trucks500	500	0.3840	4.52794	2.0367	0.173	0.1590	0.0050	515.8419	0.154	0.013
Off-Highway Trucks	2015	2015Off-Highway Trucks750	750	0.4520	5.12427	2.61969	0.2080	0.1920	0.0050	514.6436	0.1540	0.013
Off-Highway Trucks	2015	2015Off-Highway Trucks1000	1000	0.411	6.28012	1.77206	0.1850	0.1700	0.0050	511.1369	0.1530	0.013
Off-Highway Trucks	2016	2016Off-Highway Trucks175	175	0.473	4.64707	3.45883	0.2580	0.237	0.0050	503.5515	0.1520	0.013
Off-Highway Trucks	2016	2016Off-Highway Trucks250	250	0.4460	4.82646	1.82377	0.2080	0.1910	0.0050	502.4732	0.1520	0.013
Off-Highway Trucks	2016	2016Off-Highway Trucks500	500	0.3510	4.04798	1.88523	0.1530	0.1410	0.0050	509.8604	0.1540	0.013
Off-Highway Trucks	2016	2016Off-Highway Trucks750	750	0.418	4.64247	2.43646	0.1870	0.1720	0.0050	508.3916	0.1530	0.013
Off-Highway Trucks	2016	2016Off-Highway Trucks1000	1000	0.3930	6.0352	1.70739	0.1750	0.1610	0.0050	505.7218	0.1530	0.013
Off-Highway Trucks	2017	2017Off-Highway Trucks175	175	0.4410	4.23649	3.43636	0.2330	0.2150	0.0050	495.924	0.152	0.013
Off-Highway Trucks	2017	2017Off-Highway Trucks250	250	0.4170	4.36785	1.75281	0.1890	0.1740	0.0050	494.7935	0.1520	0.013
Off-Highway Trucks	2017	2017Off-Highway Trucks500	500	0.3250	3.66841	1.74773	0.1360	0.1250	0.0050	501.4368	0.1540	0.013
Off-Highway Trucks	2017	2017Off-Highway Trucks750	750	0.3940	4.25656	2.35644	0.1700	0.1570	0.0050	500.1987	0.1530	0.013
Off-Highway Trucks	2017	2017Off-Highway Trucks1000	1000	0.362	5.65254	1.54555	0.1590	0.1460	0.0050	497.1154	0.1520	0.013
Off-Highway Trucks	2018	2018Off-Highway Trucks175	175	0.3830	3.54273	3.38333	0.1920	0.1770	0.0050	488.0439	0.1520	0.012
Off-Highway Trucks	2018	2018Off-Highway Trucks250	250	0.3410	3.45071	1.54329	0.1410	0.13	0.0050	487.6353	0.1520	0.012
Off-Highway Trucks	2018	2018Off-Highway Trucks500	500	0.287	3.08995	1.5595	0.1130	0.1040	0.0050	493.5059	0.1540	0.013
Off-Highway Trucks	2018	2018Off-Highway Trucks750	750	0.3480	3.69054	2.17619	0.1430	0.1320	0.0050	492.1136	0.1530	0.013
Off-Highway Trucks	2018	2018Off-Highway Trucks1000	1000	0.2970	4.85753	1.35734	0.1260	0.1160	0.0050	487.7902	0.1520	0.012
Off-Highway Trucks	2019	2019Off-Highway Trucks175	175	0.3230	2.82463	3.32598	0.1490	0.1370	0.0050	480.3623	0.152	0.012
Off-Highway Trucks	2019	2019Off-Highway Trucks250	250	0.307	2.98481	1.46079	0.119	0.1090	0.0050	480.1703	0.1520	0.012
Off-Highway Trucks	2019	2019Off-Highway Trucks500	500	0.2630	2.66851	1.48346	0.097	0.0890	0.0050	485.3832	0.1540	0.012
Off-Highway Trucks	2019	2019Off-Highway Trucks750	750	0.3270	3.32044	2.04129	0.1290	0.1180	0.0050	483.2182	0.1530	0.012
Off-Highway Trucks	2019	2019Off-Highway Trucks1000	1000	0.2950	4.76495	1.3561	0.1240	0.1140	0.0050	480.3479	0.152	0.012
Off-Highway Trucks	2020	2020Off-Highway Trucks175	175	0.3100	2.62769	3.3388	0.137	0.126	0.0050	470.0967	0.152	0.012
Off-Highway Trucks	2020	2020Off-Highway Trucks250	250	0.2750	2.50726	1.39106	0.0980	0.0900	0.0050	470.1675	0.1520	0.012
Off-Highway Trucks	2020	2020Off-Highway Trucks500	500	0.2460	2.34677	1.41417	0.0860	0.0790	0.0050	474.5787	0.1530	0.012
Off-Highway Trucks	2020	2020Off-Highway Trucks750	750	0.3120	3.05816	2.02683	0.1200	0.11	0.0050	472.7499	0.1530	0.012
Off-Highway Trucks	2020	2020Off-Highway Trucks1000	1000	0.303	4.79365	1.37163	0.1250	0.1150	0.0050	469.8892	0.152	0.012
Off-Highway Trucks	2021	2021Off-Highway Trucks175	175	0.2780	2.24626	3.32405	0.1130	0.1040	0.0050	470.2898	0.1520	0.012
Off-Highway Trucks	2021	2021Off-Highway Trucks250	250	0.2490	2.10869	1.34839	0.0820	0.0760	0.0050	470.1932	0.1520	0.012
Off-Highway Trucks	2021	2021Off-Highway Trucks500	500	0.2250	1.95357	1.33781	0.0720	0.0660	0.0050	474.542	0.1530	0.012
Off-Highway Trucks	2021	2021Off-Highway Trucks750	750	0.2930	2.66798	1.93522	0.1060	0.0980	0.0050	472.991	0.153	0.012
Off-Highway Trucks	2021	2021Off-Highway Trucks1000	1000	0.2560	4.15817	1.25154	0.0990	0.0910	0.0050	471.0552	0.1520	0.012
Off-Highway Trucks	2022	2022Off-Highway Trucks175	175	0.2410	1.81091	3.28383	0.0880	0.0810	0.0050	470.1813	0.1520	0.012
Off-Highway Trucks	2022	2022Off-Highway Trucks250	250	0.2150	1.61794	1.27852	0.0640	0.0590	0.0050	469.6151	0.1520	0.012
Off-Highway Trucks	2022	2022Off-Highway Trucks500	500	0.1960	1.48975	1.24664	0.0540	0.0500	0.0050	474.7136	0.1540	0.012
Off-Highway Trucks	2022	2022Off-Highway Trucks750	750	0.2630	2.26799	1.74571	0.0880	0.0810	0.0050	473.9773	0.1530	0.012
Off-Highway Trucks	2022	2022Off-Highway Trucks1000	1000	0.2340	3.84239	1.2141	0.0860	0.079	0.0050	472.3437	0.1530	0.012
Off-Highway Trucks	2023	2023Off-Highway Trucks175	175	0.2360	1.68277	3.30432	0.0810	0.0740	0.0050	470.2917	0.1520	0.012
Off-Highway Trucks	2023	2023Off-Highway Trucks250	250	0.2070	1.45572	1.27325	0.059	0.0540	0.0050	469.4464	0.1520	0.012
Off-Highway Trucks	2023	2023Off-Highway Trucks500	500	0.187	1.32428	1.22057	0.0480	0.0440	0.0050	475.0488	0.1540	0.012
Off-Highway Trucks	2023	2023Off-Highway Trucks750	750	0.2630	2.18151	1.71923	0.0840	0.0780	0.0050	473.7666	0.1530	0.012
Off-Highway Trucks	2023	2023Off-Highway Trucks1000	1000	0.2140	3.54374	1.19398	0.0740	0.068	0.0050	472.8574	0.1530	0.012
Off-Highway Trucks	2024	2024Off-Highway Trucks175	175	0.2240	1.49436	3.3248	0.0700	0.0640	0.0050	470.2638	0.1520	0.012
Off-Highway Trucks	2024	2024Off-Highway Trucks250	250	0.202	1.35543	1.25915	0.0540	0.0500	0.0050	469.1126	0.1520	0.012
Off-Highway Trucks	2024	2024Off-Highway Trucks500	500	0.1840	1.23518	1.20637	0.0440	0.0410	0.0050	475.2203	0.1540	0.012
Off-Highway Trucks	2024	2024Off-Highway Trucks750	750	0.2590	2.04986	1.64986	0.0790	0.0730	0.0050	473.8394	0.153	0.012
Off-Highway Trucks	2024	2024Off-Highway Trucks1000	1000	0.2090	3.43925	1.19994	0.0690	0.0640	0.0050	473.0969	0.153	0.012
Off-Highway Trucks	2025	2025Off-Highway Trucks175	175	0.2140	1.3354	3.32765	0.0650	0.0600	0.0050	470.0035	0.152	0.012
Off-Highway Trucks	2025	2025Off-Highway Trucks250	250	0.1850	1.12886	1.21268	0.0430	0.0400	0.0050	469.1258	0.1520	0.012
Off-Highway Trucks	2025	2025Off-Highway Trucks500	500	0.1770	1.06379	1.18233	0.038	0.035	0.0050	474.9697	0.1540	0.012
Off-Highway Trucks	2025	2025Off-Highway Trucks750	750	0.2350	1.75055	1.57807	0.066	0.0610	0.0050	476.314	0.154	0.012
Off-Highway Trucks	2025	2025Off-Highway Trucks1000	1000	0.1870	3.13521	1.14565	0.0570	0.0520	0.0050	473.3693	0.1530	0.012
Off-Highway Trucks	2030	2030Off-Highway Trucks175	175	0.229	0.563	3.425	0.025	0.025	0.006	568.299	0.02	0.014
Off-Highway Trucks	2030	2030Off-Highway Trucks250	250	0.217	0.481	1.166	0.017	0.017	0.006	568.3	0.019	0.014
Off-Highway Trucks	2030	2030Off-Highway Trucks500	500	0.216	0.458	1.104	0.017	0.017	0.005	568.299	0.019	0.014
Off-Highway Trucks	2030	2030Off-Highway Trucks750	750	0.217	0.463	1.104	0.017	0.017	0.005	568.299	0.019	0.014
Off-Highway Trucks	2030	2030Off-Highway Trucks1000	1000	0.22	2.651	1.107	0.033	0.033	0.005	568.3	0.019	0.014
Off-Highway Trucks	2035	2035Off-Highway Trucks175	175	0.211	0.38	3.425	0.016	0.016	0.006	568.299	0.019	0.014
Off-Highway Trucks	2035	2035Off-Highway Trucks250	250	0.208	0.353	1.167	0.013	0.013	0.006	568.299	0.018	0.014
Off-Highway Trucks	2035	2035Off-Highway Trucks500	500	0.208	0.348	1.105	0.013	0.013	0.005	568.299	0.018	0.014
Off-Highway Trucks	2035	2035Off-Highway Trucks750	750	0.208	0.348	1.105	0.013	0.013	0.005	568.299	0.018	0.014
Off-Highway Trucks	2035	2035Off-Highway Trucks1000	1000	0.209	2.565	1.105	0.028	0.028	0.005	568.299	0.018	0.014
Off-Highway Trucks	2040	2040Off-Highway Trucks175	175	0.205	0.318	3.426	0.013	0.013	0.006	568.299	0.018	0.014
Off-Highway Trucks	2040	2040Off-Highway Trucks250	250	0.204	0.305	1.167	0.012	0.012	0.006	568.3	0.018	0.014
Off-Highway Trucks	2040	2040Off-Highway Trucks500	500	0.204	0.305	1.105	0.012	0.012	0.005	568.299	0.018	0.014
Off-Highway Trucks	2040	2040Off-Highway Trucks750	750	0.204	0.305	1.105	0.012	0.012	0.005	568.299	0.018	0.014
Off-Highway Trucks	2040	2040Off-Highway Trucks1000	1000	0.205	2.532	1.105	0.026	0.026	0.005	568.299	0.018	0.014
Other Construction Equipment	1990	1990Other Construction Equipment15	15	1.804	9.999	4.999	0.975	0.975	1.049	568.3	0.162	0.014
Other Construction Equipment	1990	1990Other Construction Equipment25	25	2.213	6.919	4.999	0.741	0.741	0.855	568.299	0.199	0.014
Other Construction Equipment	1990	1990Other Construction Equipment50	50	4.791	7.947	9.693	1.267	1.267	0.871	568.299	0.432	0.014
Other Construction Equipment	1990	1990Other Construction Equipment120	120	2.388	15.176	5.782	1.343	1.343	0.791	568.299	0.215	0.014
Other Construction Equipment	1990	1990Other Construction Equipment175	175	1.948	15.112	5.191	1.085	1.085	0.758	568.299	0.175	0.014
Other Construction Equipment	1990	1990Other Construction Equipment500	500	1.72	14.332	11.412	0.927	0.927	0.662	568.299	0.155	0.014
Other Construction Equipment	2000	2000Other Construction Equipment15	15	1.475	8.242	4.49	0.676	0.676	0.079	568.299	0.133	0.014
Other Construction Equipment	2000	2000Other Construction Equipment25	25	1.958	6.358	4.53	0.563	0.563	0.065	568.3	0.176	0.014
Other Construction Equipment	2000	2000Other Construction Equipment50	50	3.73	6.784	7.85	0.816	0.816	0.066	568.299	0.336	0.014
Other Construction Equipment	2000	2000Other Construction Equipment120	120	1.636	9.507	4.283	0.786	0.786	0.06	568.3	0.147	0.014
Other Construction Equipment	2000	2000Other Construction Equipment175	175	1.106	8.749	3.417	0.453	0.453	0.057	568.299	0.099	0.014
Other Construction Equipment	2000	2000Other Construction Equipment500	500	0.83	8.069	3.67	0.321	0.321	0.05	568.299	0.074	0.014
Other Construction Equipment	2005	2005Other Construction Equipment15	15	0.766	5.228	3.469	0.361	0.361	0.079	568.299	0.069	0.014
Other Construction Equipment	2005	2005Other Construction Equipment25	25	0.919	5.412	2.642	0.347	0.347	0.065	568.3	0.082	0.014
Other Construction Equipment	2005	2005Other Construction Equipment50	50	3.192	6.226	7.102	0.739	0.739	0.066	568.299	0.288	0.014
Other Construction Equipment	2005	2005Other Construction Equipment120	120	1.397	8.067	4.043	0.725	0.725	0.06	568.299	0.126	0.014
Other Construction Equipment	2005	2005Other Construction Equipment175	175	0.903	7.379	3.208	0.392	0.392	0.057	568.299	0.081	0.014
Other Construction Equipment	2005	2005Other Construction Equipment500	500	0.55	6.334	2.051	0.22	0.22	0.05	568.299	0.049	0.014
Other Construction Equipment	2010	2010Other Construction Equipment15	15	1.2840	5.55407	5.29076	0.4970	0.4570	0.0050	587.5495	0.171	0.015
Other Construction Equipment	2010	2010Other Construction Equipment25	25	1.2840	5.55407	5.29076	0.4970	0.4570	0.0050	587.5495	0.171	0.015
Other Construction Equipment	2010	2010Other Construction Equipment50	50	1.2840	5.55407	5.29076	0.4970	0.4570	0.0050	587.5495	0.171	0.015
Other Construction Equipment	2010	2010Other Construction Equipment120	120	0.7790	7.11752	3.89903	0.5490	0.5050	0.0050	523.1661	0.1520	0.013
Other Construction Equipment	2010	2010Other Construction Equipment175	175	0.6470	7.30949	3.47406	0.3800	0.3490	0.0050	522.1244	0.152	0.013
Other Construction Equipment	2010	2010Other Construction Equipment500	500	0.4040	5.78616	3.20434	0.2190	0.2010	0.0050	530.8514	0.1550	0.014
Other Construction Equipment	2011	2011Other Construction Equipment15	15	1.2870	5.5686	5.36962	0.4990	0.4590	0.0050	586.0703	0.171	0.015
Other Construction Equipment	2011	2011Other Construction Equipment25	25	1.2870	5.5686	5.36962	0.4990	0.4590	0.0050	586.0703	0.171	0.015
Other Construction Equipment	2011	2011Other Construction Equipment50	50	1.2870	5.5686	5.36962	0.4990	0.4590	0.0050	586.0703	0.171	0.015

Other Construction Equipment	2011	2011Other Construction Equipment120	120	0.7640	6.98332	3.89723	0.5420	0.4980	0.0050	521.5282	0.1520	0.013
Other Construction Equipment	2011	2011Other Construction Equipment175	175	0.6100	6.92098	3.41832	0.3610	0.3320	0.0050	520.664	0.1520	0.013
Other Construction Equipment	2011	2011Other Construction Equipment500	500	0.3780	5.42766	2.91483	0.204	0.1880	0.0050	529.9639	0.1550	0.013
Other Construction Equipment	2012	2012Other Construction Equipment15	15	1.3010	5.58169	5.47004	0.5030	0.463	0.0050	584.6639	0.171	0.015
Other Construction Equipment	2012	2012Other Construction Equipment25	25	1.3010	5.58169	5.47004	0.5030	0.463	0.0050	584.6639	0.171	0.015
Other Construction Equipment	2012	2012Other Construction Equipment50	50	1.3010	5.58169	5.47004	0.5030	0.463	0.0050	584.6639	0.171	0.015
Other Construction Equipment	2012	2012Other Construction Equipment120	120	0.7650	6.95644	3.91674	0.5430	0.5000	0.0050	519.9075	0.1520	0.013
Other Construction Equipment	2012	2012Other Construction Equipment175	175	0.614	6.91612	3.4429	0.3630	0.3340	0.0050	519.3479	0.1520	0.013
Other Construction Equipment	2012	2012Other Construction Equipment500	500	0.3860	5.42334	2.95715	0.2060	0.1890	0.0050	528.6246	0.1550	0.013
Other Construction Equipment	2013	2013Other Construction Equipment15	15	1.3210	5.60361	5.57699	0.509	0.4680	0.0050	581.8471	0.1710	0.015
Other Construction Equipment	2013	2013Other Construction Equipment25	25	1.3210	5.60361	5.57699	0.509	0.4680	0.0050	581.8471	0.1710	0.015
Other Construction Equipment	2013	2013Other Construction Equipment50	50	1.3210	5.60361	5.57699	0.509	0.4680	0.0050	581.8471	0.1710	0.015
Other Construction Equipment	2013	2013Other Construction Equipment120	120	0.7500	6.82868	3.91866	0.5320	0.489	0.0050	517.5939	0.1520	0.013
Other Construction Equipment	2013	2013Other Construction Equipment175	175	0.595	6.69102	3.41257	0.351	0.3230	0.0050	516.9857	0.152	0.013
Other Construction Equipment	2013	2013Other Construction Equipment500	500	0.3700	5.14317	2.79519	0.1940	0.1790	0.0050	525.1086	0.1540	0.013
Other Construction Equipment	2014	2014Other Construction Equipment15	15	1.3010	5.56546	5.60223	0.5020	0.4620	0.0050	578.9591	0.1710	0.015
Other Construction Equipment	2014	2014Other Construction Equipment25	25	1.3010	5.56546	5.60223	0.5020	0.4620	0.0050	578.9591	0.1710	0.015
Other Construction Equipment	2014	2014Other Construction Equipment50	50	1.3010	5.56546	5.60223	0.5020	0.4620	0.0050	578.9591	0.1710	0.015
Other Construction Equipment	2014	2014Other Construction Equipment120	120	0.7280	6.63282	3.90558	0.5180	0.4760	0.0050	515.2847	0.1520	0.013
Other Construction Equipment	2014	2014Other Construction Equipment175	175	0.5670	6.37185	3.38516	0.3330	0.3070	0.0050	514.5518	0.1520	0.013
Other Construction Equipment	2014	2014Other Construction Equipment500	500	0.3300	4.5608	2.47571	0.168	0.1550	0.0050	520.9444	0.1540	0.013
Other Construction Equipment	2015	2015Other Construction Equipment15	15	1.3090	5.56397	5.68113	0.5030	0.4630	0.0050	573.0198	0.1710	0.015
Other Construction Equipment	2015	2015Other Construction Equipment25	25	1.3090	5.56397	5.68113	0.5030	0.4630	0.0050	573.0198	0.1710	0.015
Other Construction Equipment	2015	2015Other Construction Equipment50	50	1.3090	5.56397	5.68113	0.5030	0.4630	0.0050	573.0198	0.1710	0.015
Other Construction Equipment	2015	2015Other Construction Equipment120	120	0.7230	6.53649	3.9159	0.5120	0.4710	0.0050	510.1706	0.1520	0.013
Other Construction Equipment	2015	2015Other Construction Equipment175	175	0.5570	6.2305	3.38183	0.3260	0.3000	0.0050	509.3069	0.152	0.013
Other Construction Equipment	2015	2015Other Construction Equipment500	500	0.3240	4.41519	2.40724	0.1630	0.1500	0.0050	515.1953	0.1540	0.013
Other Construction Equipment	2016	2016Other Construction Equipment15	15	1.2810	5.49921	5.67687	0.492	0.4530	0.0050	566.9782	0.171	0.014
Other Construction Equipment	2016	2016Other Construction Equipment25	25	1.2810	5.49921	5.67687	0.492	0.4530	0.0050	566.9782	0.171	0.014
Other Construction Equipment	2016	2016Other Construction Equipment50	50	1.2810	5.49921	5.67687	0.492	0.4530	0.0050	566.9782	0.171	0.014
Other Construction Equipment	2016	2016Other Construction Equipment120	120	0.7030	6.32533	3.90894	0.4960	0.456	0.0050	505.349	0.1520	0.013
Other Construction Equipment	2016	2016Other Construction Equipment175	175	0.5240	5.81763	3.35672	0.3060	0.2810	0.0050	503.9641	0.152	0.013
Other Construction Equipment	2016	2016Other Construction Equipment500	500	0.3080	4.08972	2.28488	0.1510	0.1390	0.0050	509.7062	0.1540	0.013
Other Construction Equipment	2017	2017Other Construction Equipment15	15	1.2440	5.42066	5.65509	0.4770	0.4390	0.0050	558.0007	0.171	0.014
Other Construction Equipment	2017	2017Other Construction Equipment25	25	1.2440	5.42066	5.65509	0.4770	0.4390	0.0050	558.0007	0.171	0.014
Other Construction Equipment	2017	2017Other Construction Equipment50	50	1.2440	5.42066	5.65509	0.4770	0.4390	0.0050	558.0007	0.171	0.014
Other Construction Equipment	2017	2017Other Construction Equipment120	120	0.6760	6.06955	3.88542	0.4750	0.4370	0.0050	497.3832	0.1520	0.013
Other Construction Equipment	2017	2017Other Construction Equipment175	175	0.5000	5.49424	3.33767	0.2900	0.2670	0.0050	495.9311	0.152	0.013
Other Construction Equipment	2017	2017Other Construction Equipment500	500	0.2900	3.77706	2.12114	0.1380	0.1270	0.0050	501.1295	0.1540	0.013
Other Construction Equipment	2018	2018Other Construction Equipment15	15	1.1690	5.27161	5.54108	0.4490	0.4130	0.0050	548.9388	0.1710	0.014
Other Construction Equipment	2018	2018Other Construction Equipment25	25	1.1690	5.27161	5.54108	0.4490	0.4130	0.0050	548.9388	0.1710	0.014
Other Construction Equipment	2018	2018Other Construction Equipment50	50	1.1690	5.27161	5.54108	0.4490	0.4130	0.0050	548.9388	0.1710	0.014
Other Construction Equipment	2018	2018Other Construction Equipment120	120	0.5980	5.44123	3.79863	0.4170	0.3830	0.0050	490.018	0.1530	0.012
Other Construction Equipment	2018	2018Other Construction Equipment175	175	0.4360	4.75499	3.26346	0.2500	0.2300	0.0050	487.9859	0.1520	0.012
Other Construction Equipment	2018	2018Other Construction Equipment500	500	0.2510	3.16693	1.81261	0.1150	0.1050	0.0050	493.36	0.1540	0.013
Other Construction Equipment	2019	2019Other Construction Equipment15	15	1.1520	5.20338	5.54123	0.4370	0.4020	0.0050	539.7349	0.1710	0.014
Other Construction Equipment	2019	2019Other Construction Equipment25	25	1.1520	5.20338	5.54123	0.4370	0.4020	0.0050	539.7349	0.1710	0.014
Other Construction Equipment	2019	2019Other Construction Equipment50	50	1.1520	5.20338	5.54123	0.4370	0.4020	0.0050	539.7349	0.1710	0.014
Other Construction Equipment	2019	2019Other Construction Equipment120	120	0.5500	5.04831	3.7535	0.3790	0.3490	0.0050	482.2177	0.1530	0.012
Other Construction Equipment	2019	2019Other Construction Equipment175	175	0.4120	4.4331	3.25619	0.2330	0.2150	0.0050	480.4518	0.152	0.012
Other Construction Equipment	2019	2019Other Construction Equipment500	500	0.2330	2.85547	1.66739	0.1030	0.0940	0.0050	485.4127	0.1540	0.012
Other Construction Equipment	2020	20200ther Construction Equipment15	15	1.0720	5.03626	5.40446	0.4050	0.3730	0.0050	527.9656	0.1710	0.013
Other Construction Equipment	2020	20200ther Construction Equipment25	25	1.0720	5.03626	5.40446	0.4050	0.3730	0.0050	527.9656	0.1710	0.013
Other Construction Equipment	2020	20200ther Construction Equipment50	50	1.0720	5.03626	5.40446	0.4050	0.3730	0.0050	527.9656	0.1710	0.013
Other Construction Equipment	2020	20200ther Construction Equipment120	120	0.5190	4.7712	3.73189	0.3540	0.3250	0.0050	472.2162	0.1530	0.012
Other Construction Equipment	2020	20200ther Construction Equipment175	175	0.3880	4.11203	3.23528	0.217	0.2000	0.0050	469.9837	0.152	0.012
Other Construction Equipment	2020	20200ther Construction Equipment500	500	0.2240	2.63672	1.6338	0.096	0.0880	0.0050	475.2326	0.1540	0.012
Other Construction Equipment	2021	20210ther Construction Equipment15	15	1.0100	4.90234	5.30749	0.3820	0.351	0.0050	527.7834	0.1710	0.013
Other Construction Equipment	2021	20210ther Construction Equipment25	25	1.0100	4.90234	5.30749	0.3820	0.351	0.0050	527.7834	0.1710	0.013
Other Construction Equipment	2021	20210ther Construction Equipment50	50	1.0100	4.90234	5.30749	0.3820	0.351	0.0050	527.7834	0.1710	0.013
Other Construction Equipment	2021	20210ther Construction Equipment120	120	0.4820	4.4558	3.70304	0.3230	0.2980	0.0050	472.275	0.1530	0.012
Other Construction Equipment	2021	20210ther Construction Equipment175	175	0.3300	3.43847	3.18275	0.1800	0.1650	0.0050	469.7642	0.1520	0.012
Other Construction Equipment	2021	20210ther Construction Equipment500	500	0.2150	2.42822	1.59874	0.0900	0.0820	0.0050	475.2124	0.1540	0.012
Other Construction Equipment	2022	20220ther Construction Equipment15	15	0.9200	4.74117	5.16732	0.3480	0.32	0.0050	529.1825	0.1710	0.013
Other Construction Equipment	2022	20220ther Construction Equipment25	25	0.9200	4.74117	5.16732	0.3480	0.32	0.0050	529.1825	0.1710	0.013
Other Construction Equipment	2022	20220ther Construction Equipment50	50	0.9200	4.74117	5.16732	0.3480	0.32	0.0050	529.1825	0.1710	0.013
Other Construction Equipment	2022	20220ther Construction Equipment120	120	0.44	4.09846	3.66623	0.2880	0.2650	0.0050	472.3178	0.1530	0.012
Other Construction Equipment	2022	20220ther Construction Equipment175	175	0.2950	2.99437	3.15539	0.1560	0.1440	0.0050	469.6126	0.1520	0.012
Other Construction Equipment	2022	20220ther Construction Equipment500	500	0.1880	1.97544	1.43828	0.0740	0.0680	0.0050	475.9983	0.1540	0.012
Other Construction Equipment	2023	20230ther Construction Equipment15	15	0.866	4.59446	5.07368	0.3220	0.2960	0.0050	529.3389	0.1710	0.013
Other Construction Equipment	2023	20230ther Construction Equipment25	25	0.866	4.59446	5.07368	0.3220	0.2960	0.0050	529.3389	0.1710	0.013
Other Construction Equipment	2023	20230ther Construction Equipment50	50	0.866	4.59446	5.07368	0.3220	0.2960	0.0050	529.3389	0.1710	0.013
Other Construction Equipment	2023	20230ther Construction Equipment120	120	0.4060	3.79013	3.63188	0.2590	0.2380	0.0050	471.9899	0.1530	0.012
Other Construction Equipment	2023	20230ther Construction Equipment175	175	0.2730	2.69821	3.14152	0.1400	0.1290	0.0050	469.5579	0.1520	0.012
Other Construction Equipment	2023	20230ther Construction Equipment500	500	0.1800	1.81226	1.39596	0.0690	0.0630	0.0050	476.1847	0.154	0.012
Other Construction Equipment	2024	20240ther Construction Equipment15	15	0.8280	4.51017	5.03181	0.3050	0.2800	0.0050	529.2094	0.1710	0.013
Other Construction Equipment	2024	20240ther Construction Equipment25	25	0.8280	4.51017	5.03181	0.3050	0.2800	0.0050	529.2094	0.1710	0.013
Other Construction Equipment	2024	20240ther Construction Equipment50	50	0.8280	4.51017	5.03181	0.3050	0.2800	0.0050	529.2094	0.1710	0.013
Other Construction Equipment	2024	20240ther Construction Equipment120	120	0.3820	3.58173	3.61958	0.2370	0.2180	0.0050	472.1254	0.1530	0.012
Other Construction Equipment	2024	20240ther Construction Equipment175	175	0.2610	2.52019	3.14951	0.13	0.1200	0.0050	469.5445	0.1520	0.012
Other Construction Equipment	2024	20240ther Construction Equipment500	500	0.175	1.67692	1.38248	0.0640	0.0590	0.0050	476.4838	0.1540	0.012
Other Construction Equipment	2025	20250ther Construction Equipment15	15	0.7570	4.30575	4.87388	0.2680	0.2460	0.0050	528.9535	0.1710	0.013
Other Construction Equipment	2025	20250ther Construction Equipment25	25	0.7570	4.30575	4.87388	0.2680	0.2460	0.0050	528.9535	0.1710	0.013
Other Construction Equipment	2025	20250ther Construction Equipment50	50	0.7570	4.30575	4.87388	0.2680	0.2460	0.0050	528.9535	0.1710	0.013
Other Construction Equipment	2025	20250ther Construction Equipment120	120	0.3410	3.25221	3.58397	0.2030	0.1870	0.0050	472.7482	0.1530	0.012
Other Construction Equipment	2025	20250ther Construction Equipment175	175	0.2350	2.16742	3.13647	0.1120	0.1030	0.0050	469.843	0.152	0.012
Other Construction Equipment	2025	20250ther Construction Equipment500	500	0.1680	1.55241	1.3582	0.0590	0.0550	0.0050	476.2959	0.154	0.012
Other Construction Equipment	2030	20300ther Construction Equipment15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Other Construction Equipment	2030	20300ther Construction Equipment25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Other Construction Equipment	2030	20300ther Construction Equipment50	50	0.429	3.19	4.39	0.03	0.03	0.007	568.299	0.038	0.014
Other Construction Equipment	2030	20300ther Construction Equipment120	120	0.225	1.576	3.538	0.027	0.027	0.006	568.3	0.02	0.014
Other Construction Equipment	2030	20300ther Construction Equipment175	175	0.161	0.459	3.127	0.019	0.019	0.006	568.299	0.014	0.014
Other Construction Equipment	2030	20300ther Construction Equipment500	500	0.154	0.391	1.028	0.014	0.014	0.005	568.3	0.013	0.014
Other Construction Equipment	2035	20350ther Construction Equipment15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Other Construction Equipment	2035	20350ther Construction Equipment25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Other Construction Equipment	2035	20350ther Construction Equipment50	50	0.41	3.124	4.377	0.018	0.018	0.007	568.299	0.037	0.014
Other Construction Equipment	2035	20350ther Construction Equipment120	120	0.213	1.474	3.536	0.017	0.017	0.006	568.299	0.019	0.014
Other Construction Equipment	2035	20350ther Construction Equipment175	175	0.15	0.334	3.128	0.013	0.013	0.006	568.299	0.013	0.014
Other Construction Equipment	2035	20350ther Construction Equipment500	500	0.147	0.311	1.029	0.011	0.011	0.005	568.299	0.013	0.014
Other Construction Equipment	2040	20400ther Construction Equipment15	15	0.661	4.142	3.47	0.161	0.161	0.008	568.3	0.059	0.014
Other Construction Equipment	2040	20400ther Construction Equipment25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Other Construction Equipment	2040	20400ther Construction Equipment50	50	0.409	3.096	4.377	0.015	0.015	0.007	568.3	0.036	0.014
Other Construction Equipment	2040	20400ther Construction Equipment120	120	0.21	1.441	3.536	0.014	0.014	0.006	568.299	0.018	0.014
Other Construction Equipment	2040	20400ther Construction Equipment175	175	0.145	0.29	3.128	0.011	0.011	0.006	568.299	0.013	0.014
Other Construction Equipment	2040	20400ther Construction Equipment500	500	0.145	0.282	1.029	0.01	0.01	0.005	568.299	0.013	0.014
Other General Industrial Equipment	1990	1990Other General Industrial Equipment15	15	1.804	9.999	4.999	0.968	0.968	0.833	568.299	0.162	0.014
Other General Industrial Equipment	1990	1990Other General Industrial Equipment25	25	2.213	6.919	4.999	0.735	0.735	0.679	568.299	0.199	0.014
Other General Industrial Equipment	1990	1990Other General Industrial Equipment50	50	4.828	7.957	9.768	1.266	1.266	0.692	568.299	0.435	0.014
Other General Industrial Equipment	1990	1990Other General Industrial Equipment120	120	2.363	14.962	5.72	1.331	1.331	0.628	568.299	0.213	0.014
Other General Industrial Equipment	1990	1990Other General Industrial Equipment175	175	1.61	13.434	5.066	0.88	0.88	0.602	568.299	0.145	0.014
Other General Industrial Equipment	1990	1990Other General Industrial Equipment250	250	1.61	13.434	5.066	0.88	0.88	0.602	568.299	0.145	0.014
Other General Industrial Equipment	1990	1990Other General Industrial Equipment500	500	1.425	12.743	11.207	0.756	0.756	0.525	568.299	0.128	0.014
Other General Industrial Equipment	1990	1990Other General Industrial Equipment750	750	1.425	12.743	11.207	0.756	0.756	0.538	568.299	0.128	0.014
Other General Industrial Equipment	1990	1990Other General Industrial Equipment1000	1000	1.417	12.743	11.207	0.746	0.746	0.538	568.299	0.127	0.014
Other General Industrial Equipment	2000	20000ther General Industrial Equipment15	15	1.047	7.362	4.258	0.428	0.428	0.079	568.299	0.094	0.014
Other General Industrial Equipment	2000	20000ther General Industrial Equipment25	25	1.027	6.284	4.322	0.431	0.431	0.064	568.299	0.092	0.014
Other General Industrial Equipment	2000	20000ther General Industrial Equipment50	50	4.49	7.09	9.236	0.935	0.935	0.065	568.299	0.405	0.014
Other General Industrial Equipment	2000	20000ther General Industrial Equipment120	120	1.883	10.664	4.733	0.91	0.91	0.059	568.299	0.169	0.014
Other General Industrial Equipment	2000	20000ther General Industrial Equipment175	175	1.261	9.686	3.852	0.536	0.536	0.057	568.299	0.113	0.014
Other General Industrial Equipment	2000	20000ther General Industrial Equipment250	250	1.057	9.325	3.072	0.438	0.438	0.057	568.299	0.095	0.014
Other General Industrial Equipment	2000	20000ther General Industrial Equipment500	500	0.956	8.862	5.179	0.385	0.385	0.049	568.299	0.086	0.014
Other General Industrial Equipment	2000	20000ther General Industrial Equipment750	750	0.956	8.862	5.179	0.385	0.385	0.051	568.3	0.086	0.014
Other General Industrial Equipment	2000	20000ther General Industrial Equipment1000	1000	1.034	9.479	5.791	0.385	0.385	0.051	568.299	0.093	0.014
Other General Industrial Equipment	2005	20050ther General Industrial Equipment15	15	0.708	4.985	3.469	0.35	0.35	0.079	568.299	0.063	0.014
Other General Industrial Equipment	2005	20050ther General Industrial Equipment25	25	0.755	5.226	2.4	0.315	0.315	0.064	568.299	0.068	0.014
Other General Industrial Equipment	2005	20050ther General Industrial Equipment50	50	4.122	6.676	8.765	0.888	0.888	0.065	568.299	0.371	0.014
Other General Industrial Equipment	2005	20050ther General Industrial Equipment120	120	1.649	9.041	4.418	0.867	0.867	0.059	568.299	0.148	0.014
Other General Industrial Equipment	2005	20050ther General Industrial Equipment175	175	1.084	8.273	3.513	0.479	0.479	0.057	568.299	0.097	0.014
Other General Industrial Equipment	2005	20050ther General Industrial Equipment250	250	0.762	7.795	2.065	0.301	0.301	0.057	568.299	0.068	0.014
Other General Industrial Equipment	2005	20050ther General Industrial Equipment500	500	0.675	7.094	2.681	0.269	0.269	0.049	568.299	0.06	0.014
Other General Industrial Equipment	2005	20050ther General Industrial Equipment750	750	0.686	7.252	2.681	0.272	0.272	0.051	568.3	0.061	0.014
Other General Industrial Equipment	2005	20050ther General Industrial Equipment1000	1000	0.806	8.322	3.276	0.28	0.28	0.051	568.299	0.072	0.014
Other General Industrial Equipment	2010	20100ther General Industrial Equipment15	15	1.5740	5.68505	6.00712	0.5630	0.5180	0.0050	584.6401	0.1700	0.015
Other General Industrial Equipment	2010	20100ther General Industrial Equipment25	25	1.5740	5.68505	6.00712	0.5630	0.5180	0.0050	584.6401	0.1700	0.015
Other General Industrial Equipment	2010	20100ther General Industrial Equipment50	50	1.5740	5.68505	6.00712	0.5630	0.5180	0.0050	584.6401	0.1700	0.015
Other General Industrial Equipment	2010	20100ther General Industrial Equipment120	120	0.8550	7.36447	4.0773	0.611	0.5620	0.0050	522.222	0.152	0.013
Other General Industrial Equipment	2010	20100ther General Industrial Equipment175	175	0.6270	7.0202	3.51505	0.3790	0.3490	0.0050	524.278	0.1530	0.013
Other General Industrial Equipment	2010	20100ther General Industrial Equipment250	250	0.6460	8.04899	2.61803	0.3590	0.33	0.0050	525.8035	0.153	0.013
Other General Industrial Equipment	2010	20100ther General Industrial Equipment500	500	0.4110	5.68219	2.96412	0.2190	0.2020	0.0050	525.4767	0.153	0.013
Other General Industrial Equipment	2010	20100ther General Industrial Equipment750	750	0.3100	4.78207	1.62081	0.1680	0.1540	0.0050	526.0709	0.1530	0.013
Other General Industrial Equipment	2010	20100ther General Industrial Equipment1000	1000	0.31	6.10226	1.02418	0.1480	0.1360	0.0050	524.505	0.1530	0.013
Other General Industrial Equipment	2011	20110ther General Industrial Equipment15	15	1.5640	5.69446	6.08575	0.5620	0.5170	0.0050	583.1785	0.1700	0.015

Other General Industrial Equipment	2011	2011Other General Industrial Equipment25	25	1.5640	5.69446	6.08575	0.5620	0.5170	0.0050	583.1785	0.1700	0.015
Other General Industrial Equipment	2011	2011Other General Industrial Equipment50	50	1.5640	5.69446	6.08575	0.5620	0.5170	0.0050	583.1785	0.1700	0.015
Other General Industrial Equipment	2011	2011Other General Industrial Equipment120	120	0.8460	7.24885	4.08854	0.6090	0.5600	0.0050	520.9164	0.152	0.013
Other General Industrial Equipment	2011	2011Other General Industrial Equipment175	175	0.5790	6.5273	3.47165	0.352	0.3240	0.0050	522.9673	0.1530	0.013
Other General Industrial Equipment	2011	2011Other General Industrial Equipment250	250	0.5710	7.30022	2.33422	0.3130	0.2880	0.0050	524.489	0.153	0.013
Other General Industrial Equipment	2011	2011Other General Industrial Equipment500	500	0.3930	5.42881	2.74249	0.2070	0.1900	0.0050	524.163	0.153	0.013
Other General Industrial Equipment	2011	2011Other General Industrial Equipment750	750	0.3140	4.72869	1.62791	0.1630	0.1500	0.0050	524.7557	0.1530	0.013
Other General Industrial Equipment	2011	2011Other General Industrial Equipment1000	1000	0.3190	6.1714	1.03813	0.1530	0.1410	0.0050	523.1938	0.1530	0.013
Other General Industrial Equipment	2012	2012Other General Industrial Equipment15	15	1.5930	5.71254	6.24676	0.5690	0.5240	0.0050	581.7169	0.1700	0.015
Other General Industrial Equipment	2012	2012Other General Industrial Equipment25	25	1.5930	5.71254	6.24676	0.5690	0.5240	0.0050	581.7169	0.1700	0.015
Other General Industrial Equipment	2012	2012Other General Industrial Equipment50	50	1.5930	5.71254	6.24676	0.5690	0.5240	0.0050	581.7169	0.1700	0.015
Other General Industrial Equipment	2012	2012Other General Industrial Equipment120	120	0.8470	7.21493	4.12133	0.612	0.563	0.0050	519.6109	0.152	0.013
Other General Industrial Equipment	2012	2012Other General Industrial Equipment175	175	0.5760	6.44491	3.49618	0.3490	0.3210	0.0050	521.6566	0.1530	0.013
Other General Industrial Equipment	2012	2012Other General Industrial Equipment250	250	0.5670	7.14362	2.33594	0.3080	0.2840	0.0050	523.1745	0.153	0.013
Other General Industrial Equipment	2012	2012Other General Industrial Equipment500	500	0.4000	5.39821	2.75094	0.2070	0.1900	0.0050	522.8493	0.153	0.013
Other General Industrial Equipment	2012	2012Other General Industrial Equipment750	750	0.3190	4.69855	1.63473	0.1610	0.148	0.0050	523.4405	0.1530	0.013
Other General Industrial Equipment	2012	2012Other General Industrial Equipment1000	1000	0.3280	6.24054	1.05208	0.1580	0.1450	0.0050	521.8825	0.1530	0.013
Other General Industrial Equipment	2013	2013Other General Industrial Equipment15	15	1.5530	5.64536	6.26146	0.5560	0.5110	0.0050	578.7937	0.1700	0.015
Other General Industrial Equipment	2013	2013Other General Industrial Equipment25	25	1.5530	5.64536	6.26146	0.5560	0.5110	0.0050	578.7937	0.1700	0.015
Other General Industrial Equipment	2013	2013Other General Industrial Equipment50	50	1.5530	5.64536	6.26146	0.5560	0.5110	0.0050	578.7937	0.1700	0.015
Other General Industrial Equipment	2013	2013Other General Industrial Equipment120	120	0.8250	7.03299	4.11871	0.5970	0.5490	0.0050	516.9998	0.152	0.013
Other General Industrial Equipment	2013	2013Other General Industrial Equipment175	175	0.538	6.02319	3.4592	0.3240	0.2980	0.0050	519.0352	0.1530	0.013
Other General Industrial Equipment	2013	2013Other General Industrial Equipment250	250	0.5120	6.51958	2.15134	0.273	0.2510	0.0050	520.5455	0.153	0.013
Other General Industrial Equipment	2013	2013Other General Industrial Equipment500	500	0.3650	4.82071	2.62159	0.1830	0.1680	0.0050	520.2219	0.153	0.013
Other General Industrial Equipment	2013	2013Other General Industrial Equipment750	750	0.2900	4.12057	1.58393	0.1390	0.1280	0.0050	520.8102	0.1530	0.013
Other General Industrial Equipment	2013	2013Other General Industrial Equipment1000	1000	0.3370	6.30968	1.06602	0.1620	0.1490	0.0050	519.26	0.1530	0.013
Other General Industrial Equipment	2014	2014Other General Industrial Equipment15	15	1.521	5.58361	6.28785	0.5440	0.5000	0.0050	575.8705	0.1700	0.015
Other General Industrial Equipment	2014	2014Other General Industrial Equipment25	25	1.521	5.58361	6.28785	0.5440	0.5000	0.0050	575.8705	0.1700	0.015
Other General Industrial Equipment	2014	2014Other General Industrial Equipment50	50	1.521	5.58361	6.28785	0.5440	0.5000	0.0050	575.8705	0.1700	0.015
Other General Industrial Equipment	2014	2014Other General Industrial Equipment120	120	0.7890	6.72277	4.09005	0.5740	0.528	0.0050	514.3886	0.152	0.013
Other General Industrial Equipment	2014	2014Other General Industrial Equipment175	175	0.5230	5.79166	3.46929	0.3120	0.2870	0.0050	516.4138	0.1530	0.013
Other General Industrial Equipment	2014	2014Other General Industrial Equipment250	250	0.4880	6.15263	2.05376	0.2550	0.2340	0.0050	517.9164	0.153	0.013
Other General Industrial Equipment	2014	2014Other General Industrial Equipment500	500	0.3550	4.56494	2.49943	0.1720	0.1590	0.0050	517.5945	0.153	0.013
Other General Industrial Equipment	2014	2014Other General Industrial Equipment750	750	0.2560	3.62195	1.48882	0.1150	0.1060	0.0050	518.1798	0.1530	0.013
Other General Industrial Equipment	2014	2014Other General Industrial Equipment1000	1000	0.3460	6.37883	1.07997	0.1670	0.1530	0.0050	516.6375	0.1530	0.013
Other General Industrial Equipment	2015	2015Other General Industrial Equipment15	15	1.4950	5.52435	6.32452	0.5320	0.4900	0.0050	570.0241	0.1700	0.015
Other General Industrial Equipment	2015	2015Other General Industrial Equipment25	25	1.4950	5.52435	6.32452	0.5320	0.4900	0.0050	570.0241	0.1700	0.015
Other General Industrial Equipment	2015	2015Other General Industrial Equipment50	50	1.4950	5.52435	6.32452	0.5320	0.4900	0.0050	570.0241	0.1700	0.015
Other General Industrial Equipment	2015	2015Other General Industrial Equipment120	120	0.7610	6.50163	4.0811	0.5530	0.5090	0.0050	509.1664	0.152	0.013
Other General Industrial Equipment	2015	2015Other General Industrial Equipment175	175	0.4950	5.3974	3.45434	0.294	0.2700	0.0050	511.171	0.1530	0.013
Other General Industrial Equipment	2015	2015Other General Industrial Equipment250	250	0.4520	5.64293	1.9257	0.2300	0.2110	0.0050	512.6584	0.153	0.013
Other General Industrial Equipment	2015	2015Other General Industrial Equipment500	500	0.3530	4.42481	2.43603	0.1670	0.1540	0.0050	512.3397	0.153	0.013
Other General Industrial Equipment	2015	2015Other General Industrial Equipment750	750	0.2510	3.36512	1.49062	0.1090	0.1000	0.0050	512.9191	0.1530	0.013
Other General Industrial Equipment	2015	2015Other General Industrial Equipment1000	1000	0.3550	6.44797	1.09391	0.1710	0.1580	0.0050	511.3924	0.1530	0.013
Other General Industrial Equipment	2016	2016Other General Industrial Equipment15	15	1.4200	5.40705	6.25866	0.5060	0.466	0.0050	564.1777	0.1700	0.014
Other General Industrial Equipment	2016	2016Other General Industrial Equipment25	25	1.4200	5.40705	6.25866	0.5060	0.466	0.0050	564.1777	0.1700	0.014
Other General Industrial Equipment	2016	2016Other General Industrial Equipment50	50	1.4200	5.40705	6.25866	0.5060	0.466	0.0050	564.1777	0.1700	0.014
Other General Industrial Equipment	2016	2016Other General Industrial Equipment120	120	0.7150	6.14411	4.04541	0.5180	0.4760	0.0050	503.9442	0.152	0.013
Other General Industrial Equipment	2016	2016Other General Industrial Equipment175	175	0.4700	5.05466	3.43665	0.2760	0.2540	0.0050	505.9282	0.1530	0.013
Other General Industrial Equipment	2016	2016Other General Industrial Equipment250	250	0.4370	5.40733	1.8667	0.2170	0.2000	0.0050	507.4004	0.153	0.013
Other General Industrial Equipment	2016	2016Other General Industrial Equipment500	500	0.342	4.14966	2.36652	0.1590	0.1460	0.0050	507.085	0.153	0.013
Other General Industrial Equipment	2016	2016Other General Industrial Equipment750	750	0.2430	3.10202	1.49061	0.1000	0.0920	0.0050	507.6584	0.1530	0.013
Other General Industrial Equipment	2016	2016Other General Industrial Equipment1000	1000	0.2420	4.7462	1.04483	0.112	0.103	0.0050	506.1474	0.1530	0.013
Other General Industrial Equipment	2017	2017Other General Industrial Equipment15	15	1.3490	5.27694	6.17923	0.4790	0.4410	0.0050	555.4081	0.1700	0.014
Other General Industrial Equipment	2017	2017Other General Industrial Equipment25	25	1.3490	5.27694	6.17923	0.4790	0.4410	0.0050	555.4081	0.1700	0.014
Other General Industrial Equipment	2017	2017Other General Industrial Equipment50	50	1.3490	5.27694	6.17923	0.4790	0.4410	0.0050	555.4081	0.1700	0.014
Other General Industrial Equipment	2017	2017Other General Industrial Equipment120	120	0.66	5.72138	3.99811	0.4700	0.4330	0.0050	496.1109	0.152	0.013
Other General Industrial Equipment	2017	2017Other General Industrial Equipment175	175	0.4370	4.53359	3.39928	0.2500	0.2300	0.0050	498.0641	0.1530	0.013
Other General Industrial Equipment	2017	2017Other General Industrial Equipment250	250	0.4110	5.02246	1.78	0.199	0.183	0.0050	499.5133	0.153	0.013
Other General Industrial Equipment	2017	2017Other General Industrial Equipment500	500	0.3340	3.9491	2.36453	0.152	0.1400	0.0050	499.2028	0.153	0.013
Other General Industrial Equipment	2017	2017Other General Industrial Equipment750	750	0.2190	2.59187	1.48016	0.0860	0.0790	0.0050	499.7673	0.1530	0.013
Other General Industrial Equipment	2017	2017Other General Industrial Equipment1000	1000	0.2510	4.7865	1.05719	0.1140	0.1050	0.0050	498.2798	0.1530	0.013
Other General Industrial Equipment	2018	2018Other General Industrial Equipment15	15	1.1540	4.97857	5.82717	0.4140	0.3810	0.0050	546.6385	0.1700	0.014
Other General Industrial Equipment	2018	2018Other General Industrial Equipment25	25	1.1540	4.97857	5.82717	0.4140	0.3810	0.0050	546.6385	0.1700	0.014
Other General Industrial Equipment	2018	2018Other General Industrial Equipment50	50	1.1540	4.97857	5.82717	0.4140	0.3810	0.0050	546.6385	0.1700	0.014
Other General Industrial Equipment	2018	2018Other General Industrial Equipment120	120	0.5570	4.95455	3.87633	0.3920	0.3600	0.0050	488.2775	0.152	0.012
Other General Industrial Equipment	2018	2018Other General Industrial Equipment175	175	0.3180	3.23673	3.23662	0.172	0.1580	0.0050	490.1999	0.1530	0.012
Other General Industrial Equipment	2018	2018Other General Industrial Equipment250	250	0.3030	3.64819	1.45525	0.1350	0.124	0.0050	491.6263	0.153	0.013
Other General Industrial Equipment	2018	2018Other General Industrial Equipment500	500	0.2540	2.90735	1.58301	0.1040	0.0950	0.0050	491.3207	0.153	0.013
Other General Industrial Equipment	2018	2018Other General Industrial Equipment750	750	0.2160	2.41933	1.48303	0.0830	0.076	0.0050	491.8763	0.1530	0.013
Other General Industrial Equipment	2018	2018Other General Industrial Equipment1000	1000	0.2570	4.81007	1.06646	0.1160	0.1070	0.0050	490.4122	0.1530	0.012
Other General Industrial Equipment	2019	2019Other General Industrial Equipment15	15	1.0420	4.80683	5.66186	0.3740	0.3440	0.0050	537.8689	0.1700	0.014
Other General Industrial Equipment	2019	2019Other General Industrial Equipment25	25	1.0420	4.80683	5.66186	0.3740	0.3440	0.0050	537.8689	0.1700	0.014
Other General Industrial Equipment	2019	2019Other General Industrial Equipment50	50	1.0420	4.80683	5.66186	0.3740	0.3440	0.0050	537.8689	0.1700	0.014
Other General Industrial Equipment	2019	2019Other General Industrial Equipment120	120	0.5000	4.49674	3.82128	0.3430	0.3150	0.0050	480.4442	0.152	0.012
Other General Industrial Equipment	2019	2019Other General Industrial Equipment175	175	0.3020	2.99891	3.24129	0.1560	0.144	0.0050	482.3357	0.1530	0.012
Other General Industrial Equipment	2019	2019Other General Industrial Equipment250	250	0.2590	3.01996	1.29893	0.1060	0.0970	0.0050	483.7392	0.153	0.012
Other General Industrial Equipment	2019	2019Other General Industrial Equipment500	500	0.2390	2.57531	1.56115	0.0920	0.0850	0.0050	483.4385	0.153	0.012
Other General Industrial Equipment	2019	2019Other General Industrial Equipment750	750	0.1990	2.11518	1.47441	0.0760	0.0700	0.0050	483.9852	0.1530	0.012
Other General Industrial Equipment	2019	2019Other General Industrial Equipment1000	1000	0.264	4.83364	1.07573	0.1170	0.1080	0.0050	482.5446	0.1530	0.012
Other General Industrial Equipment	2020	2020Other General Industrial Equipment15	15	0.946	4.62219	5.50397	0.334	0.3070	0.0050	526.1761	0.1700	0.013
Other General Industrial Equipment	2020	2020Other General Industrial Equipment25	25	0.946	4.62219	5.50397	0.334	0.3070	0.0050	526.1761	0.1700	0.013
Other General Industrial Equipment	2020	2020Other General Industrial Equipment50	50	0.946	4.62219	5.50397	0.334	0.3070	0.0050	526.1761	0.1700	0.013
Other General Industrial Equipment	2020	2020Other General Industrial Equipment120	120	0.446	4.06079	3.77073	0.2960	0.2720	0.0050	469.9998	0.152	0.012
Other General Industrial Equipment	2020	2020Other General Industrial Equipment175	175	0.2680	2.57503	3.22922	0.135	0.1240	0.0050	471.8502	0.1530	0.012
Other General Industrial Equipment	2020	2020Other General Industrial Equipment250	250	0.2370	2.66782	1.23914	0.0900	0.083	0.0050	473.2231	0.153	0.012
Other General Industrial Equipment	2020	2020Other General Industrial Equipment500	500	0.2080	2.06187	1.34424	0.0720	0.0670	0.0050	472.929	0.153	0.012
Other General Industrial Equipment	2020	2020Other General Industrial Equipment750	750	0.1750	1.67591	1.46184	0.0620	0.0570	0.0050	473.4638	0.1530	0.012
Other General Industrial Equipment	2020	2020Other General Industrial Equipment1000	1000	0.2710	4.85721	1.085	0.1190	0.1090	0.0050	472.0545	0.1530	0.012
Other General Industrial Equipment	2021	2021Other General Industrial Equipment15	15	0.8310	4.42532	5.31354	0.2890	0.2660	0.0050	526.1761	0.1700	0.013
Other General Industrial Equipment	2021	2021Other General Industrial Equipment25	25	0.8310	4.42532	5.31354	0.2890	0.2660	0.0050	526.1761	0.1700	0.013
Other General Industrial Equipment	2021	2021Other General Industrial Equipment50	50	0.8310	4.42532	5.31354	0.2890	0.2660	0.0050	526.1761	0.1700	0.013
Other General Industrial Equipment	2021	2021Other General Industrial Equipment120	120	0.4040	3.7177	3.74029	0.2560	0.2350	0.0050	469.9998	0.152	0.012
Other General Industrial Equipment	2021	2021Other General Industrial Equipment175	175	0.2540	2.34745	3.23421	0.1210	0.1110	0.0050	471.8502	0.1530	0.012
Other General Industrial Equipment	2021	2021Other General Industrial Equipment250	250	0.2040	2.0939	1.17138	0.0700	0.0640	0.0050	473.2231	0.153	0.012
Other General Industrial Equipment	2021	2021Other General Industrial Equipment500	500	0.1950	1.79624	1.32956	0.0640	0.059	0.0050	472.929	0.153	0.012
Other General Industrial Equipment	2021	2021Other General Industrial Equipment750	750	0.166	1.38672	1.46305	0.0540	0.05	0.0050	473.4638	0.1530	0.012
Other General Industrial Equipment	2021	2021Other General Industrial Equipment1000	1000	0.2760	4.87557	1.09291	0.1200	0.1100	0.0050	472.0545	0.1530	0.012
Other General Industrial Equipment	2022	2022Other General Industrial Equipment15	15	0.7020	4.19687	5.07591	0.2380	0.2190	0.0050	526.1761	0.1700	0.013
Other General Industrial Equipment	2022	2022Other General Industrial Equipment25	25	0.7020	4.19687	5.07591	0.2380	0.2190	0.0050	526.1761	0.1700	0.013
Other General Industrial Equipment	2022	2022Other General Industrial Equipment50	50	0.7020	4.19687	5.07591	0.2380	0.2190	0.0050	526.1761	0.1700	0.013
Other General Industrial Equipment	2022	2022Other General Industrial Equipment120	120	0.3390	3.19968	3.66821	0.1990	0.1830	0.0050	469.9998	0.152	0.012
Other General Industrial Equipment	2022	2022Other General Industrial Equipment175	175	0.2440	2.14959	3.23346	0.1110	0.102	0.0050	471.8502	0.1530	0.012
Other General Industrial Equipment	2022	2022Other General Industrial Equipment250	250	0.1870	1.75874	1.13752	0.0570	0.0520	0.0050	473.2231	0.153	0.012
Other General Industrial Equipment	2022	2022Other General Industrial Equipment500	500	0.1750	1.43348	1.17139	0.0500	0.0460	0.0050	472.929	0.153	0.012
Other General Industrial Equipment	2022	2022Other General Industrial Equipment750	750	0.149	1.06247	1.45658	0.0460	0.0420	0.0050	473.4638	0.1530	0.012
Other General Industrial Equipment	2022	2022Other General Industrial Equipment1000	1000	0.1870	3.942	1.03925	0.0790	0.073	0.0050	472.0545	0.1530	0.012
Other General Industrial Equipment	2023	2023Other General Industrial Equipment15	15	0.6030	3.99304	4.88317	0.194	0.1780	0.0050	526.1761	0.1700	0.013
Other General Industrial Equipment	2023	2023Other General Industrial Equipment25	25	0.6030	3.99304	4.88317	0.194	0.1780	0.0050	526.1761	0.1700	0.013
Other General Industrial Equipment	2023	2023Other General Industrial Equipment50	50	0.6030	3.99304	4.88317	0.194	0.1780	0.0050	526.1761	0.1700	0.013
Other General Industrial Equipment	2023	2023Other General Industrial Equipment120	120	0.3080	2.92394	3.64703	0.1680	0.155	0.0050	469.9998	0.152	0.012
Other General Industrial Equipment	2023	2023Other General Industrial Equipment175	175	0.2000	1.60937	3.17453	0.0800	0.0740	0.0050	471.8502	0.1530	0.012
Other General Industrial Equipment	2023	2023Other General Industrial Equipment250	250	0.1810	1.53043	1.14024	0.0510	0.0470	0.0050	473.2231	0.153	0.012
Other General Industrial Equipment	2023	2023Other General Industrial Equipment500	500	0.164	1.25618	1.12057	0.043	0.0400	0.0050	472.929	0.153	0.012
Other General Industrial Equipment	2023	2023Other General Industrial Equipment750	750	0.1110	0.62571	1.10458	0.0230	0.0210	0.0050	473.4638	0.1530	0.012
Other General Industrial Equipment	2023	2023Other General Industrial Equipment1000	1000	0.1930	3.95649	1.04852	0.0800	0.0730	0.0050	472.0545	0.1530	0.012
Other General Industrial Equipment	2024	2024Other General Industrial Equipment15	15	0.546	3.85892	4.78022	0.1650	0.1520	0.0050	526.1761	0.1700	0.013
Other General Industrial Equipment	2024	2024Other General Industrial Equipment25	25	0.546	3.85892	4.78022	0.1650	0.1520	0.0050	526.1761	0.1700	0.013
Other General Industrial Equipment	2024	2024Other General Industrial Equipment50	50	0.546	3.85892	4.78022	0.1650	0.1520	0.0050	526.1761	0.1700	0.013
Other General Industrial Equipment	2024	2024Other General Industrial Equipment120	120	0.2870	2.70778	3.63929	0.1460	0.1340	0.0050	469.9998	0.152	0.012
Other General Industrial Equipment	2024	2024Other General Industrial Equipment175	175	0.1910	1.44774	3.18534	0.0730	0.0670	0.0050	471.8502	0.1530	0.012
Other General Industrial Equipment	2024	2024Other General Industrial Equipment250	250	0.1730	1.31888	1.14124	0.0460	0.0420	0.0050	473.2231	0.153	0.012
Other General Industrial Equipment	2024	2024Other General Industrial Equipment500	500	0.1580	1.15288	1.1102	0.0400	0.0360	0.0050	472.929	0.153	0.012
Other General Industrial Equipment	2024	2024Other General Industrial Equipment750	750	0.1150	0.62782	1.11228	0.0230	0.0210	0.0050	473.4638	0.1530	0.012
Other General Industrial Equipment	2024	2024Other General Industrial Equipment1000	1000	0.1980	3.97098	1.05779	0.0800	0.0740	0.0050	472.0545	0.1530	0.012
Other General Industrial Equipment	2025	2025Other General Industrial Equipment15	15	0.492	3.71721	4.67981	0.1360	0.1250	0.0050	526.1761	0.1700	0.013
Other General Industrial Equipment	2025	2025Other General Industrial Equipment25	25	0.492	3.71721	4.67981	0.1360	0.1250	0.0050	526.1761	0.1700	0.013
Other General Industrial Equipment	2025	2025Other General Industrial Equipment50	50	0.492	3.71721	4.67981	0.1360	0.1250	0.0050	526.1761	0.1700	0.013
Other General Industrial Equipment	2025	2025Other General Industrial Equipment120	120	0.2570	2.43889	3.61204	0.1180	0.1090	0.0050	469.9998	0.152	0.012
Other General Industrial Equipment	2025	2025Other General Industrial Equipment175	175	0.189	1.36379	3.20434	0.0700	0.0650	0.0050	471.8502	0.1530	0.012
Other General Industrial Equipment	2025	2025Other General Industrial Equipment250	250	0.1550	1.02801	1.13176	0.0360	0.0330	0.0050	473.2231	0.153	0.012
Other General Industrial Equipment	2025	2025Other General Industrial Equipment500	500	0.1510	1.05334	1.10932	0.0350	0.0320	0.0050	472.929	0.153	0.012
Other General Industrial Equipment	2025	2025Other General Industrial Equipment750	750	0.117	0.629	1.1152	0.0230	0.021	0.0050	473.4638	0.1530	0.012
Other General Industrial Equipment	2025	2025Other General Industrial Equipment1000	1000	0.203	3.98546	1.06706	0.0810	0.0740	0.0050	472.0545	0.1530	0.012
Other General Industrial Equipment	2030	2030Other General Industrial Equipment15	15	0.589	4.142	3.469	0.161	0.161	0.008	568.299	0.053	0.014
Other General Industrial Equipment	2030	2030Other General Industrial Equipment25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Other General Industrial Equipment	2030	2030Other General Industrial Equipment50	50	0.609	3.46	5.299	0.048	0.048	0.007	568.299	0.054	0.014
Other General Industrial Equipment	2030	2030Other General Industrial Equipment120	120	0.309	1.766	3.802	0.043	0.043	0.006	568.299	0.027	0.014
Other General Industrial Equipment	2030	2030Other General Industrial Equipment175	175	0.223	0.641	3.357	0.028	0.028	0.006	568.299	0.02	0.014
Other General Industrial Equipment	2030	2030Other General Industrial Equipment250	250	0.209	0.536	1.143	0.018	0.018	0.006	568.299	0.018	0.014
Other General Industrial Equipment	2030	2030Other General Industrial Equipment500	500	0.208	0.506	1.087	0.018	0.018	0.005	568.299	0.018	0.014
Other General Industrial Equipment	2030	2030Other General Industrial Equipment750	750	0.208	0.512	1.087	0.018	0.018	0.005	568.299	0.018	0.014

Other General Industrial Equipment	2030	2030Other General Industrial Equipment1000	1000	0.212	2.66	1.088	0.035	0.035	0.005	568.299	0.019	0.014
Other General Industrial Equipment	2035	2035Other General Industrial Equipment15	15	0.589	4.142	3.469	0.161	0.161	0.008	568.299	0.053	0.014
Other General Industrial Equipment	2035	2035Other General Industrial Equipment25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Other General Industrial Equipment	2035	2035Other General Industrial Equipment50	50	0.564	3.334	5.255	0.025	0.025	0.007	568.299	0.05	0.014
Other General Industrial Equipment	2035	2035Other General Industrial Equipment120	120	0.282	1.567	3.794	0.022	0.022	0.006	568.3	0.025	0.014
Other General Industrial Equipment	2035	2035Other General Industrial Equipment175	175	0.199	0.399	3.355	0.016	0.016	0.006	568.3	0.018	0.014
Other General Industrial Equipment	2035	2035Other General Industrial Equipment250	250	0.195	0.355	1.143	0.013	0.013	0.006	568.299	0.017	0.014
Other General Industrial Equipment	2035	2035Other General Industrial Equipment500	500	0.195	0.351	1.087	0.013	0.013	0.005	568.299	0.017	0.014
Other General Industrial Equipment	2035	2035Other General Industrial Equipment750	750	0.195	0.351	1.087	0.013	0.013	0.005	568.299	0.017	0.014
Other General Industrial Equipment	2035	2035Other General Industrial Equipment1000	1000	0.196	2.532	1.087	0.028	0.028	0.005	568.299	0.017	0.014
Other General Industrial Equipment	2040	2040Other General Industrial Equipment15	15	0.589	4.142	3.47	0.161	0.161	0.008	568.299	0.053	0.014
Other General Industrial Equipment	2040	2040Other General Industrial Equipment25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Other General Industrial Equipment	2040	2040Other General Industrial Equipment50	50	0.562	3.283	5.257	0.019	0.019	0.007	568.299	0.05	0.014
Other General Industrial Equipment	2040	2040Other General Industrial Equipment120	120	0.277	1.506	3.794	0.017	0.017	0.006	568.299	0.025	0.014
Other General Industrial Equipment	2040	2040Other General Industrial Equipment175	175	0.191	0.315	3.356	0.012	0.012	0.006	568.299	0.017	0.014
Other General Industrial Equipment	2040	2040Other General Industrial Equipment250	250	0.19	0.299	1.143	0.011	0.011	0.006	568.299	0.017	0.014
Other General Industrial Equipment	2040	2040Other General Industrial Equipment500	500	0.19	0.299	1.087	0.011	0.011	0.005	568.299	0.017	0.014
Other General Industrial Equipment	2040	2040Other General Industrial Equipment750	750	0.19	0.299	1.087	0.011	0.011	0.005	568.299	0.017	0.014
Other General Industrial Equipment	2040	2040Other General Industrial Equipment1000	1000	0.191	2.5	1.087	0.025	0.025	0.005	568.299	0.017	0.014
Other Material Handling Equipment	1990	1990Other Material Handling Equipment50	50	4.763	7.932	9.649	1.252	1.252	0.692	568.3	0.429	0.014
Other Material Handling Equipment	1990	1990Other Material Handling Equipment120	120	2.346	14.896	5.692	1.317	1.317	0.628	568.299	0.211	0.014
Other Material Handling Equipment	1990	1990Other Material Handling Equipment175	175	1.599	13.377	5.041	0.872	0.872	0.602	568.299	0.144	0.014
Other Material Handling Equipment	1990	1990Other Material Handling Equipment250	250	1.599	13.377	5.041	0.872	0.872	0.602	568.3	0.144	0.014
Other Material Handling Equipment	1990	1990Other Material Handling Equipment500	500	1.417	12.702	11.046	0.75	0.75	0.525	568.299	0.127	0.014
Other Material Handling Equipment	1990	1990Other Material Handling Equipment9999	9999	1.41	12.702	11.046	0.741	0.741	0.525	568.3	0.127	0.014
Other Material Handling Equipment	2000	2000Other Material Handling Equipment50	50	4.428	7.068	9.121	0.925	0.925	0.065	568.299	0.399	0.014
Other Material Handling Equipment	2000	2000Other Material Handling Equipment120	120	1.871	10.623	4.712	0.901	0.901	0.059	568.299	0.168	0.014
Other Material Handling Equipment	2000	2000Other Material Handling Equipment175	175	1.253	9.648	3.836	0.531	0.531	0.057	568.299	0.113	0.014
Other Material Handling Equipment	2000	2000Other Material Handling Equipment250	250	1.051	9.289	3.061	0.435	0.435	0.057	568.3	0.094	0.014
Other Material Handling Equipment	2000	2000Other Material Handling Equipment500	500	0.951	8.836	5.171	0.383	0.383	0.049	568.299	0.085	0.014
Other Material Handling Equipment	2000	2000Other Material Handling Equipment9999	9999	1.031	9.45	5.779	0.384	0.384	0.049	568.299	0.093	0.014
Other Material Handling Equipment	2005	2005Other Material Handling Equipment50	50	4.06	6.65	8.646	0.878	0.878	0.065	568.299	0.366	0.014
Other Material Handling Equipment	2005	2005Other Material Handling Equipment120	120	1.634	9.001	4.393	0.857	0.857	0.059	568.3	0.147	0.014
Other Material Handling Equipment	2005	2005Other Material Handling Equipment175	175	1.073	8.235	3.493	0.473	0.473	0.057	568.299	0.096	0.014
Other Material Handling Equipment	2005	2005Other Material Handling Equipment250	250	0.757	7.76	2.058	0.299	0.299	0.057	568.299	0.068	0.014
Other Material Handling Equipment	2005	2005Other Material Handling Equipment500	500	0.67	7.071	2.676	0.268	0.268	0.049	568.299	0.06	0.014
Other Material Handling Equipment	2005	2005Other Material Handling Equipment9999	9999	0.803	8.291	3.267	0.278	0.278	0.049	568.299	0.072	0.014
Other Material Handling Equipment	2010	2010Other Material Handling Equipment50	50	2.1120	6.11921	7.14242	0.6730	0.6190	0.0050	581.8987	0.1690	0.015
Other Material Handling Equipment	2010	2010Other Material Handling Equipment120	120	0.7400	6.86036	3.91836	0.5500	0.5060	0.0050	526.2094	0.1530	0.013
Other Material Handling Equipment	2010	2010Other Material Handling Equipment175	175	0.5920	6.62945	3.45939	0.3640	0.3350	0.0050	524.6881	0.1530	0.013
Other Material Handling Equipment	2010	2010Other Material Handling Equipment250	250	0.537	7.05748	2.2178	0.2920	0.2690	0.0050	523.8689	0.1520	0.013
Other Material Handling Equipment	2010	2010Other Material Handling Equipment500	500	0.3990	5.53948	2.89546	0.2250	0.2070	0.0050	522.5525	0.1520	0.013
Other Material Handling Equipment	2010	2010Other Material Handling Equipment9999	9999	0.1630	4.31467	0.96514	0.1000	0.0920	0.0050	524.505	0.1530	0.013
Other Material Handling Equipment	2011	2011Other Material Handling Equipment50	50	1.9810	6.0264	6.95209	0.644	0.5930	0.0050	580.4439	0.1690	0.015
Other Material Handling Equipment	2011	2011Other Material Handling Equipment120	120	0.702	6.54765	3.89742	0.5270	0.485	0.0050	524.8938	0.1530	0.013
Other Material Handling Equipment	2011	2011Other Material Handling Equipment175	175	0.5840	6.48588	3.45599	0.3600	0.3310	0.0050	523.3764	0.1530	0.013
Other Material Handling Equipment	2011	2011Other Material Handling Equipment250	250	0.5350	6.98965	2.18416	0.288	0.265	0.0050	522.5592	0.1520	0.013
Other Material Handling Equipment	2011	2011Other Material Handling Equipment500	500	0.3990	5.43165	2.78574	0.2210	0.203	0.0050	521.2461	0.1520	0.013
Other Material Handling Equipment	2011	2011Other Material Handling Equipment9999	9999	0.1770	4.35542	0.97804	0.1030	0.0950	0.0050	523.1938	0.1530	0.013
Other Material Handling Equipment	2012	2012Other Material Handling Equipment50	50	1.8810	5.92499	6.81597	0.6200	0.5700	0.0050	578.9892	0.1690	0.015
Other Material Handling Equipment	2012	2012Other Material Handling Equipment120	120	0.6870	6.36758	3.90414	0.5160	0.4750	0.0050	523.5783	0.1530	0.013
Other Material Handling Equipment	2012	2012Other Material Handling Equipment175	175	0.5820	6.40913	3.47827	0.3570	0.328	0.0050	522.0647	0.1530	0.013
Other Material Handling Equipment	2012	2012Other Material Handling Equipment250	250	0.5430	7.02565	2.19514	0.2900	0.267	0.0050	521.2496	0.1520	0.013
Other Material Handling Equipment	2012	2012Other Material Handling Equipment500	500	0.3950	5.30246	2.61135	0.2140	0.1970	0.0050	519.9397	0.1520	0.013
Other Material Handling Equipment	2012	2012Other Material Handling Equipment9999	9999	0.1910	4.39617	0.99094	0.1060	0.0980	0.0050	521.8825	0.1530	0.013
Other Material Handling Equipment	2013	2013Other Material Handling Equipment50	50	1.7700	5.85572	6.66457	0.596	0.5480	0.0050	576.0797	0.1690	0.015
Other Material Handling Equipment	2013	2013Other Material Handling Equipment120	120	0.6080	5.76277	3.82317	0.447	0.4110	0.0050	520.9473	0.1530	0.013
Other Material Handling Equipment	2013	2013Other Material Handling Equipment175	175	0.5600	6.15356	3.43613	0.3330	0.3060	0.0050	519.4412	0.1530	0.013
Other Material Handling Equipment	2013	2013Other Material Handling Equipment250	250	0.5330	6.82184	2.16882	0.2810	0.2590	0.0050	518.6302	0.1520	0.013
Other Material Handling Equipment	2013	2013Other Material Handling Equipment500	500	0.3680	4.87099	2.33558	0.1950	0.1790	0.0050	517.327	0.1520	0.013
Other Material Handling Equipment	2013	2013Other Material Handling Equipment9999	9999	0.2050	4.43692	1.00384	0.1100	0.101	0.0050	519.26	0.1530	0.013
Other Material Handling Equipment	2014	2014Other Material Handling Equipment50	50	1.6950	5.75119	6.58988	0.5750	0.5290	0.0050	573.1702	0.1690	0.015
Other Material Handling Equipment	2014	2014Other Material Handling Equipment120	120	0.5580	5.37202	3.77914	0.4120	0.3790	0.0050	518.3162	0.1530	0.013
Other Material Handling Equipment	2014	2014Other Material Handling Equipment175	175	0.5280	5.79759	3.43064	0.3130	0.2880	0.0050	516.8178	0.1530	0.013
Other Material Handling Equipment	2014	2014Other Material Handling Equipment250	250	0.4750	6.17254	1.93605	0.2420	0.2230	0.0050	516.0109	0.1520	0.013
Other Material Handling Equipment	2014	2014Other Material Handling Equipment500	500	0.3310	4.35658	1.92674	0.1690	0.1550	0.0050	514.7142	0.1520	0.013
Other Material Handling Equipment	2014	2014Other Material Handling Equipment9999	9999	0.1410	3.4363	0.97804	0.0660	0.0610	0.0050	516.6375	0.1530	0.013
Other Material Handling Equipment	2015	2015Other Material Handling Equipment50	50	1.7330	5.7994	6.75642	0.5860	0.5390	0.0050	567.3512	0.1690	0.014
Other Material Handling Equipment	2015	2015Other Material Handling Equipment120	120	0.5280	4.98312	3.75787	0.3830	0.352	0.0050	513.0541	0.1530	0.013
Other Material Handling Equipment	2015	2015Other Material Handling Equipment175	175	0.5250	5.6445	3.43301	0.306	0.2820	0.0050	511.5709	0.1530	0.013
Other Material Handling Equipment	2015	2015Other Material Handling Equipment250	250	0.4230	5.5323	1.74236	0.2070	0.1910	0.0050	510.7722	0.1520	0.013
Other Material Handling Equipment	2015	2015Other Material Handling Equipment500	500	0.333	4.27243	1.91761	0.1660	0.1520	0.0050	509.4887	0.1520	0.013
Other Material Handling Equipment	2015	2015Other Material Handling Equipment9999	9999	0.1480	3.45753	0.98449	0.0680	0.0630	0.0050	511.3924	0.1530	0.013
Other Material Handling Equipment	2016	2016Other Material Handling Equipment50	50	1.7650	5.80157	6.89161	0.5930	0.5460	0.0050	561.5322	0.1690	0.014
Other Material Handling Equipment	2016	2016Other Material Handling Equipment120	120	0.5140	4.79843	3.76606	0.367	0.3380	0.0050	507.792	0.1530	0.013
Other Material Handling Equipment	2016	2016Other Material Handling Equipment175	175	0.4890	5.21152	3.41823	0.2790	0.2570	0.0050	506.324	0.1530	0.013
Other Material Handling Equipment	2016	2016Other Material Handling Equipment250	250	0.3980	5.19629	1.64277	0.1890	0.1740	0.0050	505.5335	0.1520	0.013
Other Material Handling Equipment	2016	2016Other Material Handling Equipment500	500	0.3230	4.05322	1.87077	0.1560	0.1430	0.0050	504.2631	0.1520	0.013
Other Material Handling Equipment	2016	2016Other Material Handling Equipment9999	9999	0.1590	3.48884	0.99739	0.0700	0.0650	0.0050	506.1474	0.1530	0.013
Other Material Handling Equipment	2017	2017Other Material Handling Equipment50	50	1.6150	5.57447	6.63527	0.5460	0.5020	0.0050	552.8037	0.1690	0.014
Other Material Handling Equipment	2017	2017Other Material Handling Equipment120	120	0.4880	4.56113	3.75788	0.3410	0.3140	0.0050	499.8989	0.1530	0.013
Other Material Handling Equipment	2017	2017Other Material Handling Equipment175	175	0.4770	4.48809	3.35117	0.2380	0.2190	0.0050	498.4537	0.1530	0.013
Other Material Handling Equipment	2017	2017Other Material Handling Equipment250	250	0.3590	4.70454	1.51249	0.163	0.15	0.0050	497.6755	0.1520	0.013
Other Material Handling Equipment	2017	2017Other Material Handling Equipment500	500	0.3250	3.9709	1.86256	0.1540	0.1410	0.0050	496.4249	0.1520	0.013
Other Material Handling Equipment	2017	2017Other Material Handling Equipment9999	9999	0.169	3.52015	1.01029	0.0720	0.0660	0.0050	498.2798	0.1530	0.013
Other Material Handling Equipment	2018	2018Other Material Handling Equipment50	50	1.2890	5.18225	6.06083	0.4570	0.4200	0.0050	544.0753	0.1690	0.014
Other Material Handling Equipment	2018	2018Other Material Handling Equipment120	120	0.4070	3.9436	3.67482	0.2710	0.2490	0.0050	492.0058	0.1530	0.013
Other Material Handling Equipment	2018	2018Other Material Handling Equipment175	175	0.3260	3.33231	3.21803	0.1730	0.1590	0.0050	490.5834	0.1530	0.012
Other Material Handling Equipment	2018	2018Other Material Handling Equipment250	250	0.3160	4.09187	1.3884	0.135	0.1240	0.0050	489.8174	0.1520	0.012
Other Material Handling Equipment	2018	2018Other Material Handling Equipment500	500	0.2960	3.52439	1.63271	0.1330	0.1230	0.0050	488.5866	0.1520	0.012
Other Material Handling Equipment	2018	2018Other Material Handling Equipment9999	9999	0.1790	3.55146	1.02319	0.0740	0.0680	0.0050	490.4122	0.1530	0.012
Other Material Handling Equipment	2019	2019Other Material Handling Equipment50	50	1.2750	5.17904	6.13945	0.4520	0.4160	0.0050	535.3468	0.1690	0.014
Other Material Handling Equipment	2019	2019Other Material Handling Equipment120	120	0.3600	3.56573	3.63634	0.2310	0.2120	0.0050	484.1126	0.1530	0.012
Other Material Handling Equipment	2019	2019Other Material Handling Equipment175	175	0.2800	2.77369	3.1852	0.1390	0.1280	0.0050	482.7131	0.1530	0.012
Other Material Handling Equipment	2019	2019Other Material Handling Equipment250	250	0.3	3.81716	1.34052	0.1230	0.1130	0.0050	481.9594	0.1520	0.012
Other Material Handling Equipment	2019	2019Other Material Handling Equipment500	500	0.2910	3.37078	1.61951	0.1280	0.1180	0.0050	480.7483	0.1520	0.012
Other Material Handling Equipment	2019	2019Other Material Handling Equipment9999	9999	0.1900	3.58277	1.03609	0.0760	0.0700	0.0050	482.5446	0.1530	0.012
Other Material Handling Equipment	2020	2020Other Material Handling Equipment50	50	1.2450	5.13925	6.1671	0.4390	0.4040	0.0050	523.7088	0.1690	0.013
Other Material Handling Equipment	2020	2020Other Material Handling Equipment120	120	0.3070	3.10396	3.58938	0.1820	0.1680	0.0050	473.5884	0.1530	0.012
Other Material Handling Equipment	2020	2020Other Material Handling Equipment175	175	0.252	2.36653	3.17089	0.1180	0.1090	0.0050	472.2193	0.1530	0.012
Other Material Handling Equipment	2020	2020Other Material Handling Equipment250	250	0.2910	3.59889	1.31882	0.1150	0.106	0.0050	471.482	0.1520	0.012
Other Material Handling Equipment	2020	2020Other Material Handling Equipment500	500	0.2820	3.20974	1.52346	0.1200	0.1100	0.0050	470.2972	0.1520	0.012
Other Material Handling Equipment	2020	2020Other Material Handling Equipment9999	9999	0.2000	3.61407	1.04898	0.0780	0.072	0.0050	472.0545	0.1530	0.012
Other Material Handling Equipment	2021	2021Other Material Handling Equipment50	50	1.1080	4.96638	5.95956	0.3960	0.364	0.0050	523.7088	0.1690	0.013
Other Material Handling Equipment	2021	2021Other Material Handling Equipment120	120	0.2940	2.95622	3.60203	0.1660	0.1520	0.0050	473.5884	0.1530	0.012
Other Material Handling Equipment	2021	2021Other Material Handling Equipment175	175	0.2490	2.24633	3.19638	0.1140	0.1050	0.0050	472.2193	0.1530	0.012
Other Material Handling Equipment	2021	2021Other Material Handling Equipment250	250	0.2690	3.08193	1.30911	0.1020	0.0940	0.0050	471.482	0.1520	0.012
Other Material Handling Equipment	2021	2021Other Material Handling Equipment500	500	0.2540	2.60166	1.44188	0.1010	0.093	0.0050	470.2972	0.1520	0.012
Other Material Handling Equipment	2021	2021Other Material Handling Equipment9999	9999	0.0720	2.3179	0.97159	0.0190	0.0180	0.0050	472.0545	0.1530	0.012
Other Material Handling Equipment	2022	2022Other Material Handling Equipment50	50	1.1030	4.92048	5.98386	0.3850	0.3540	0.0050	523.7088	0.1690	0.013
Other Material Handling Equipment	2022	2022Other Material Handling Equipment120	120	0.2470	2.56673	3.55673	0.1210	0.1110	0.0050	473.5884	0.1530	0.012
Other Material Handling Equipment	2022	2022Other Material Handling Equipment175	175	0.2260	1.89383	3.17607	0.1030	0.0950	0.0050	472.2193	0.1530	0.012
Other Material Handling Equipment	2022	2022Other Material Handling Equipment250	250	0.2290	2.42542	1.23917	0.0830	0.076	0.0050	471.482	0.1520	0.012
Other Material Handling Equipment	2022	2022Other Material Handling Equipment500	500	0.2260	2.06254	1.34592	0.0830	0.0770	0.0050	470.2972	0.1520	0.012
Other Material Handling Equipment	2022	2022Other Material Handling Equipment9999	9999	0.0760	2.32798	0.97804	0.0200	0.0180	0.0050	472.0545	0.1530	0.012
Other Material Handling Equipment	2023	2023Other Material Handling Equipment50	50	1.0110	4.68435	5.75727	0.3400	0.3130	0.0050	523.7088	0.1690	0.013
Other Material Handling Equipment	2023	2023Other Material Handling Equipment120	120	0.2250	2.29768	3.51535	0.1040	0.0950	0.0050	473.5884	0.1530	0.012
Other Material Handling Equipment	2023	2023Other Material Handling Equipment175	175	0.2170	1.76898	3.17066	0.0960	0.0880	0.0050	472.2193	0.1530	0.012
Other Material Handling Equipment	2023	2023Other Material Handling Equipment250	250	0.207	2.00366	1.20917	0.069	0.0640	0.0050	471.482	0.1520	0.012
Other Material Handling Equipment	2023	2023Other Material Handling Equipment500	500	0.2170	1.87023	1.34382	0.0780	0.0720	0.0050	470.2972	0.1520	0.012
Other Material Handling Equipment	2023	2023Other Material Handling Equipment9999	9999	0.0540	2.26751	0.93935	0.0180	0.0170	0.0050	472.0545	0.1530	0.012
Other Material Handling Equipment	2024	2024Other Material Handling Equipment50	50	0.9430	4.5789	5.6693	0.3140	0.2890	0.0050	523.7088	0.1690	0.013
Other Material Handling Equipment	2024	2024Other Material Handling Equipment120	120	0.2200	2.22162	3.51036	0.0960	0.0890	0.0050	473.5884	0.1530	0.012
Other Material Handling Equipment	2024	2024Other Material Handling Equipment175	175	0.2080	1.63864	3.18111	0.088	0.0810	0.0050	472.2193	0.1530	0.012
Other Material Handling Equipment	2024	2024Other Material Handling Equipment250	250	0.2100	1.98559	1.21822	0.0680	0.0630	0.0050	471.482	0.1520	0.012
Other Material Handling Equipment	2024	2024Other Material Handling Equipment500	500	0.2120	1.75588	1.26223	0.072	0.0660	0.0050	470.2972	0.1520	0.012
Other Material Handling Equipment	2024	2024Other Material Handling Equipment9999	9999	0.058	2.27759	0.9458	0.0180	0.0170	0.0050	472.0545	0.1530	0.012
Other Material Handling Equipment	2025	2025Other Material Handling Equipment50	50	0.7440	4.23278	5.24797	0.2390	0.2190	0.0050	523.7088	0.1690	0.013
Other Material Handling Equipment	2025	2025Other Material Handling Equipment120	120	0.2030	2.05524	3.49652	0.0810	0.0740	0.0050	473.5884	0.1530	0.012
Other Material Handling Equipment	2025	2025Other Material Handling Equipment175	175	0.1890	1.39583	3.1679	0.0720	0.0670	0.0050	472.2193	0.1530	0.012
Other Material Handling Equipment	2025	2025Other Material Handling Equipment250	250	0.2000	1.77352	1.19728	0.06	0.0550	0.0050	471.482	0.1520	0.012
Other Material Handling Equipment	2025	2025Other Material Handling Equipment500	500	0.2040	1.60116	1.25988	0.0670	0.0610	0.0050	470.2972	0.1520	0.012
Other Material Handling Equipment	2025	2025Other Material Handling Equipment9999	9999	0.0650	2.29775	0.9587	0.0190	0.0170	0.0050	472.0545	0.1530	0.012
Other Material Handling Equipment	2030	2030Other Material Handling Equipment50	50	0.598	3.447	5.237	0.048	0.048	0.007	568.299	0.053	0.014
Other Material Handling Equipment	2030	2030Other Material Handling Equipment120	120	0.304	1.762	3.784	0.043	0.043	0.006	568.299	0.027	0.014
Other Material Handling Equipment	2030	2030Other Material Handling Equipment175	175	0.22	0.64	3.341	0.028	0.028	0.006	568.299	0.019	0.014
Other Material Handling Equipment	2030	2030Other Material Handling Equipment250	250	0.206	0.535	1.138	0.018	0.018	0.006	568.299	0.018	0.014
Other Material Handling Equipment	2030	2030Other Material Handling Equipment500	500	0.205	0.505	1.083	0.018	0.018	0.005	568.299	0.018	0.014
Other Material Handling Equipment	2030	2030Other Material Handling Equipment9999	9999	0.218	2.653	1.084	0.035	0.035	0.005	568.299	0.019	0.014
Other Material Handling Equipment	2035	2035Other Material Handling Equipment50	50	0.552	3.321	5.189	0.025	0.025	0.007	568.299	0.049	0.014
Other Material Handling Equipment	2035	2035Other Material Handling Equipment120	120	0.277	1.563	3.774	0.022	0.022	0.006	568.299	0.025	0.014
Other Material Handling Equipment	2035	2035Other Material Handling Equipment175	175	0.196	0.398	3.338	0.016	0.016	0.006	568.299	0.017	0.014

Other Material Handling Equipment	2035	2035Other Material Handling Equipment250	250	0.192	0.354	1.137	0.013	0.013	0.006	568.299	0.017	0.014
Other Material Handling Equipment	2035	2035Other Material Handling Equipment500	500	0.192	0.35	1.082	0.013	0.013	0.005	568.299	0.017	0.014
Other Material Handling Equipment	2035	2035Other Material Handling Equipment9999	9999	0.197	2.525	1.082	0.027	0.027	0.005	568.299	0.017	0.014
Other Material Handling Equipment	2040	2040Other Material Handling Equipment50	50	0.551	3.269	5.191	0.018	0.018	0.007	568.299	0.049	0.014
Other Material Handling Equipment	2040	2040Other Material Handling Equipment120	120	0.272	1.502	3.775	0.017	0.017	0.006	568.3	0.024	0.014
Other Material Handling Equipment	2040	2040Other Material Handling Equipment175	175	0.188	0.314	3.339	0.012	0.012	0.006	568.299	0.017	0.014
Other Material Handling Equipment	2040	2040Other Material Handling Equipment250	250	0.187	0.298	1.137	0.011	0.011	0.006	568.299	0.016	0.014
Other Material Handling Equipment	2040	2040Other Material Handling Equipment500	500	0.187	0.298	1.082	0.011	0.011	0.005	568.299	0.016	0.014
Other Material Handling Equipment	2040	2040Other Material Handling Equipment9999	9999	0.189	2.493	1.082	0.025	0.025	0.005	568.3	0.017	0.014
Pavers	1990	1990Pavers25	25	2.213	6.919	4.999	0.741	0.741	0.855	568.299	0.199	0.014
Pavers	1990	1990Pavers50	50	4.794	7.946	9.701	1.268	1.268	0.871	568.299	0.432	0.014
Pavers	1990	1990Pavers120	120	2.373	15.062	5.748	1.339	1.339	0.791	568.299	0.214	0.014
Pavers	1990	1990Pavers175	175	1.822	14.503	5.135	1.01	1.01	0.758	568.3	0.164	0.014
Pavers	1990	1990Pavers250	250	1.822	14.503	5.135	1.01	1.01	0.758	568.299	0.164	0.014
Pavers	1990	1990Pavers500	500	1.61	13.755	11.305	0.864	0.864	0.662	568.3	0.145	0.014
Pavers	2000	2000Pavers25	25	2.044	6.391	4.689	0.569	0.569	0.065	568.299	0.184	0.014
Pavers	2000	2000Pavers50	50	4.464	7.116	9.175	0.93	0.93	0.066	568.299	0.402	0.014
Pavers	2000	2000Pavers120	120	1.94	11.121	4.853	0.916	0.916	0.06	568.299	0.175	0.014
Pavers	2000	2000Pavers175	175	1.324	10.172	4.022	0.558	0.558	0.057	568.299	0.119	0.014
Pavers	2000	2000Pavers250	250	1.175	9.909	3.443	0.488	0.488	0.057	568.299	0.106	0.014
Pavers	2000	2000Pavers500	500	1.058	9.422	6.242	0.426	0.426	0.05	568.299	0.095	0.014
Pavers	2005	2005Pavers25	25	1.388	5.819	3.497	0.444	0.444	0.065	568.299	0.125	0.014
Pavers	2005	2005Pavers50	50	4.125	6.746	8.722	0.883	0.883	0.066	568.299	0.372	0.014
Pavers	2005	2005Pavers120	120	1.733	9.797	4.584	0.869	0.869	0.06	568.299	0.156	0.014
Pavers	2005	2005Pavers175	175	1.147	8.921	3.731	0.5	0.5	0.057	568.299	0.103	0.014
Pavers	2005	2005Pavers250	250	0.928	8.591	2.661	0.382	0.382	0.057	568.299	0.083	0.014
Pavers	2005	2005Pavers500	500	0.818	7.91	4.283	0.335	0.335	0.05	568.299	0.073	0.014
Pavers	2010	2010Pavers25	25	1.886	5.97127	6.22261	0.6190	0.5690	0.0050	585.4019	0.1700	0.015
Pavers	2010	2010Pavers50	50	1.886	5.97127	6.22261	0.6190	0.5690	0.0050	585.4019	0.1700	0.015
Pavers	2010	2010Pavers120	120	0.7750	7.01944	3.82417	0.5400	0.4970	0.0050	521.2606	0.1520	0.013
Pavers	2010	2010Pavers175	175	0.5830	6.66867	3.10662	0.3370	0.31	0.0050	525.3233	0.1530	0.013
Pavers	2010	2010Pavers250	250	0.1990	4.38018	1.01703	0.1110	0.1020	0.0050	526.8527	0.1530	0.013
Pavers	2010	2010Pavers500	500	0.2020	3.56944	1.1256	0.1230	0.1130	0.0050	517.8758	0.1510	0.013
Pavers	2011	2011Pavers25	25	1.8950	5.97418	6.28822	0.6210	0.5710	0.0050	583.8947	0.1700	0.015
Pavers	2011	2011Pavers50	50	1.8950	5.97418	6.28822	0.6210	0.5710	0.0050	583.8947	0.1700	0.015
Pavers	2011	2011Pavers120	120	0.7410	6.70468	3.7912	0.5210	0.4790	0.0050	519.7431	0.1520	0.013
Pavers	2011	2011Pavers175	175	0.567	6.45159	3.11177	0.3270	0.3010	0.0050	524.0864	0.1530	0.013
Pavers	2011	2011Pavers250	250	0.2060	4.38871	1.02596	0.1120	0.1030	0.0050	525.5251	0.1530	0.013
Pavers	2011	2011Pavers500	500	0.2100	3.58498	1.13249	0.125	0.115	0.0050	516.5811	0.1510	0.013
Pavers	2012	2012Pavers25	25	1.9210	5.86068	6.36408	0.609	0.5600	0.0050	582.5825	0.1700	0.015
Pavers	2012	2012Pavers50	50	1.9210	5.86068	6.36408	0.609	0.5600	0.0050	582.5825	0.1700	0.015
Pavers	2012	2012Pavers120	120	0.745	6.67323	3.81157	0.5230	0.4810	0.0050	518.3581	0.1520	0.013
Pavers	2012	2012Pavers175	175	0.5690	6.44162	3.13178	0.3290	0.303	0.0050	522.8325	0.1530	0.013
Pavers	2012	2012Pavers250	250	0.2130	4.41317	1.035	0.114	0.1050	0.0050	524.2222	0.1530	0.013
Pavers	2012	2012Pavers500	500	0.2170	3.59993	1.13914	0.1270	0.1170	0.0050	515.2863	0.1510	0.013
Pavers	2013	2013Pavers25	25	1.9120	5.84153	6.39148	0.6050	0.5570	0.0050	580.2093	0.1710	0.015
Pavers	2013	2013Pavers50	50	1.9120	5.84153	6.39148	0.6050	0.5570	0.0050	580.2093	0.1710	0.015
Pavers	2013	2013Pavers120	120	0.7110	6.43604	3.79289	0.5010	0.4610	0.0050	516.6013	0.1520	0.013
Pavers	2013	2013Pavers175	175	0.5290	6.05919	3.11657	0.3040	0.2800	0.0050	519.6823	0.1530	0.013
Pavers	2013	2013Pavers250	250	0.2060	4.23038	1.01743	0.1060	0.0980	0.0050	521.5314	0.1530	0.013
Pavers	2013	2013Pavers500	500	0.2040	3.39449	1.08604	0.1180	0.1080	0.0050	514.2313	0.1510	0.013
Pavers	2014	2014Pavers25	25	1.8980	5.71682	6.3806	0.5950	0.547	0.0050	577.016	0.1710	0.015
Pavers	2014	2014Pavers50	50	1.8980	5.71682	6.3806	0.5950	0.547	0.0050	577.016	0.1710	0.015
Pavers	2014	2014Pavers120	120	0.6830	6.19872	3.77256	0.4830	0.4440	0.0050	514.3769	0.152	0.013
Pavers	2014	2014Pavers175	175	0.5020	5.73631	3.1146	0.2870	0.2640	0.0050	516.745	0.1530	0.013
Pavers	2014	2014Pavers250	250	0.2080	4.14032	1.02279	0.1050	0.0970	0.0050	518.7225	0.1530	0.013
Pavers	2014	2014Pavers500	500	0.1800	3.04734	1.00469	0.1010	0.0930	0.0050	512.1908	0.1510	0.013
Pavers	2015	2015Pavers25	25	1.8530	5.63731	6.34019	0.5790	0.5330	0.0050	571.0859	0.1700	0.015
Pavers	2015	2015Pavers50	50	1.8530	5.63731	6.34019	0.5790	0.5330	0.0050	571.0859	0.1700	0.015
Pavers	2015	2015Pavers120	120	0.6800	6.14096	3.78832	0.4790	0.441	0.0050	509.3767	0.1520	0.013
Pavers	2015	2015Pavers175	175	0.4890	5.53669	3.11546	0.2770	0.2550	0.0050	511.6457	0.1530	0.013
Pavers	2015	2015Pavers250	250	0.2140	4.16051	1.03121	0.1070	0.098	0.0050	513.4682	0.1530	0.013
Pavers	2015	2015Pavers500	500	0.1760	2.91741	0.97787	0.0970	0.0890	0.0050	506.0973	0.1510	0.013
Pavers	2016	2016Pavers25	25	1.8270	5.57882	6.33993	0.5690	0.5230	0.0050	565.2336	0.1700	0.014
Pavers	2016	2016Pavers50	50	1.8270	5.57882	6.33993	0.5690	0.5230	0.0050	565.2336	0.1700	0.014
Pavers	2016	2016Pavers120	120	0.6500	5.88646	3.76854	0.4570	0.42	0.0050	503.7795	0.152	0.013
Pavers	2016	2016Pavers175	175	0.4330	4.87397	3.08023	0.2420	0.2230	0.0050	506.5401	0.1530	0.013
Pavers	2016	2016Pavers250	250	0.2140	4.02384	1.03591	0.1040	0.0960	0.0050	508.0698	0.1530	0.013
Pavers	2016	2016Pavers500	500	0.1800	2.88492	0.9829	0.0960	0.0890	0.0050	500.9364	0.1510	0.013
Pavers	2017	2017Pavers25	25	1.7310	5.43675	6.19932	0.5400	0.4960	0.0050	556.4528	0.1700	0.014
Pavers	2017	2017Pavers50	50	1.7310	5.43675	6.19932	0.5400	0.4960	0.0050	556.4528	0.1700	0.014
Pavers	2017	2017Pavers120	120	0.6250	5.69243	3.75882	0.4370	0.4020	0.0050	495.9253	0.152	0.013
Pavers	2017	2017Pavers175	175	0.3890	4.35312	3.06282	0.2140	0.1970	0.0050	498.967	0.1530	0.013
Pavers	2017	2017Pavers250	250	0.2080	3.80866	1.03652	0.1000	0.0920	0.0050	499.5617	0.1530	0.013
Pavers	2017	2017Pavers500	500	0.1680	2.48674	0.97942	0.0870	0.0800	0.0050	491.7843	0.1510	0.013
Pavers	2018	2018Pavers25	25	1.5390	5.12103	5.8493	0.4780	0.4400	0.0050	547.0785	0.1700	0.014
Pavers	2018	2018Pavers50	50	1.5390	5.12103	5.8493	0.4780	0.4400	0.0050	547.0785	0.1700	0.014
Pavers	2018	2018Pavers120	120	0.5360	5.01936	3.66032	0.3750	0.3450	0.0050	488.1812	0.152	0.012
Pavers	2018	2018Pavers175	175	0.3390	3.7472	3.03913	0.1830	0.1680	0.0050	491.322	0.153	0.013
Pavers	2018	2018Pavers250	250	0.1980	3.47438	1.03446	0.0920	0.0850	0.0050	491.543	0.153	0.013
Pavers	2018	2018Pavers500	500	0.1640	2.32002	0.98125	0.0830	0.076	0.0050	484.2774	0.1510	0.012
Pavers	2019	2019Pavers25	25	1.4180	4.91634	5.65687	0.4360	0.4010	0.0050	538.3246	0.1700	0.014
Pavers	2019	2019Pavers50	50	1.4180	4.91634	5.65687	0.4360	0.4010	0.0050	538.3246	0.1700	0.014
Pavers	2019	2019Pavers120	120	0.4960	4.67048	3.62215	0.3450	0.3180	0.0050	480.2509	0.1520	0.012
Pavers	2019	2019Pavers175	175	0.2990	3.24473	3.01323	0.1590	0.1460	0.0050	483.3938	0.1530	0.012
Pavers	2019	2019Pavers250	250	0.1870	3.11084	1.03181	0.0840	0.0770	0.0050	483.5743	0.153	0.012
Pavers	2019	2019Pavers500	500	0.1660	2.26992	0.98586	0.081	0.0750	0.0050	476.9707	0.1510	0.012
Pavers	2020	2020Pavers25	25	1.3180	4.76401	5.52345	0.4020	0.37	0.0050	526.2098	0.1700	0.013
Pavers	2020	2020Pavers50	50	1.3180	4.76401	5.52345	0.4020	0.37	0.0050	526.2098	0.1700	0.013
Pavers	2020	2020Pavers120	120	0.4700	4.42718	3.60405	0.3250	0.2990	0.0050	469.8815	0.152	0.012
Pavers	2020	2020Pavers175	175	0.2730	2.91833	3.0097	0.1420	0.1310	0.0050	472.7746	0.1530	0.012
Pavers	2020	2020Pavers250	250	0.1760	2.77699	1.02834	0.076	0.0700	0.0050	472.8337	0.1530	0.012
Pavers	2020	2020Pavers500	500	0.1650	2.13394	0.98677	0.0770	0.071	0.0050	466.2059	0.1510	0.012
Pavers	2021	2021Pavers25	25	1.2080	4.60183	5.30162	0.3700	0.3400	0.0050	526.5153	0.1700	0.013
Pavers	2021	2021Pavers50	50	1.2080	4.60183	5.30162	0.3700	0.3400	0.0050	526.5153	0.1700	0.013
Pavers	2021	2021Pavers120	120	0.4200	4.02622	3.56251	0.2850	0.2620	0.0050	469.7736	0.1520	0.012
Pavers	2021	2021Pavers175	175	0.2560	2.6948	3.01647	0.1300	0.1200	0.0050	472.5552	0.1530	0.012
Pavers	2021	2021Pavers250	250	0.1650	2.4844	1.02422	0.0700	0.0640	0.0050	472.4765	0.1530	0.012
Pavers	2021	2021Pavers500	500	0.1640	2.05298	0.9877	0.074	0.068	0.0050	465.5908	0.1510	0.012
Pavers	2022	2022Pavers25	25	1.0920	4.42092	5.11433	0.3300	0.3030	0.0050	526.8963	0.1700	0.013
Pavers	2022	2022Pavers50	50	1.0920	4.42092	5.11433	0.3300	0.3030	0.0050	526.8963	0.1700	0.013
Pavers	2022	2022Pavers120	120	0.373	3.65932	3.52511	0.2480	0.2280	0.0050	470.1854	0.1520	0.012
Pavers	2022	2022Pavers175	175	0.2150	2.17958	2.99478	0.1040	0.0950	0.0050	472.7599	0.1530	0.012
Pavers	2022	2022Pavers250	250	0.1400	1.89985	1.01231	0.0550	0.0500	0.0050	472.3718	0.1530	0.012
Pavers	2022	2022Pavers500	500	0.15	1.81028	0.98238	0.0630	0.058	0.0050	466.0042	0.1510	0.012
Pavers	2023	2023Pavers25	25	1.0070	4.28484	5.00667	0.2990	0.2750	0.0050	526.8595	0.1700	0.013
Pavers	2023	2023Pavers50	50	1.0070	4.28484	5.00667	0.2990	0.2750	0.0050	526.8595	0.1700	0.013
Pavers	2023	2023Pavers120	120	0.3490	3.42661	3.50733	0.2260	0.2080	0.0050	470.0839	0.152	0.012
Pavers	2023	2023Pavers175	175	0.1990	1.95517	2.99398	0.092	0.0850	0.0050	472.7178	0.1530	0.012
Pavers	2023	2023Pavers250	250	0.1300	1.6106	1.01018	0.047	0.0430	0.0050	472.6051	0.1530	0.012
Pavers	2023	2023Pavers500	500	0.1520	1.77101	0.98653	0.0620	0.0570	0.0050	466.0038	0.1510	0.012
Pavers	2024	2024Pavers25	25	0.9500	4.20308	4.95625	0.2790	0.2570	0.0050	526.8565	0.1700	0.013
Pavers	2024	2024Pavers50	50	0.9500	4.20308	4.95625	0.2790	0.2570	0.0050	526.8565	0.1700	0.013
Pavers	2024	2024Pavers120	120	0.3370	3.2771	3.50784	0.2130	0.1960	0.0050	470.2262	0.1520	0.012
Pavers	2024	2024Pavers175	175	0.1910	1.80882	3.0042	0.0840	0.0780	0.0050	472.6605	0.1530	0.012
Pavers	2024	2024Pavers250	250	0.1190	1.34323	1.00872	0.0410	0.0380	0.0050	473.2362	0.1530	0.012
Pavers	2024	2024Pavers500	500	0.1430	1.54798	0.98624	0.0540	0.0490	0.0050	467.1711	0.1510	0.012
Pavers	2025	2025Pavers25	25	0.9180	4.13112	4.94451	0.2650	0.2430	0.0050	526.8533	0.1700	0.013
Pavers	2025	2025Pavers50	50	0.9180	4.13112	4.94451	0.2650	0.2430	0.0050	526.8533	0.1700	0.013
Pavers	2025	2025Pavers120	120	0.3140	3.06788	3.49286	0.1900	0.1750	0.0050	469.8988	0.152	0.012
Pavers	2025	2025Pavers175	175	0.1800	1.64396	3.0071	0.077	0.0710	0.0050	472.485	0.1530	0.012
Pavers	2025	2025Pavers250	250	0.107	1.03493	1.00414	0.0340	0.031	0.0050	473.4832	0.1530	0.012
Pavers	2025	2025Pavers500	500	0.1150	1.13351	0.96892	0.039	0.0360	0.0050	465.8824	0.1510	0.012
Pavers	2030	2030Pavers25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Pavers	2030	2030Pavers50	50	0.845	3.841	5.396	0.134	0.134	0.007	568.299	0.076	0.014
Pavers	2030	2030Pavers120	120	0.408	2.468	3.8	0.121	0.121	0.006	568.3	0.036	0.014
Pavers	2030	2030Pavers175	175	0.3	1.425	3.326	0.074	0.074	0.006	568.299	0.027	0.014
Pavers	2030	2030Pavers250	250	0.259	1.246	1.192	0.043	0.045	0.006	568.299	0.023	0.014
Pavers	2030	2030Pavers500	500	0.253	1.141	1.181	0.043	0.043	0.005	568.299	0.022	0.014
Pavers	2035	2035Pavers25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Pavers	2035	2035Pavers50	50	0.694	3.555	5.26	0.076	0.076	0.007	568.299	0.062	0.014
Pavers	2035	2035Pavers120	120	0.338	1.986	3.774	0.069	0.069	0.006	568.299	0.03	0.014
Pavers	2035	2035Pavers175	175	0.244	0.889	3.319	0.043	0.043	0.006	568.299	0.022	0.014
Pavers	2035	2035Pavers250	250	0.221	0.772	1.157	0.027	0.027	0.006	568.3	0.019	0.014
Pavers	2035	2035Pavers500	500	0.218	0.722	1.111	0.026	0.026	0.005	568.299	0.019	0.014
Pavers	2040	2040Pavers25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Pavers	2040	2040Pavers50	50	0.618	3.393	5.189	0.047	0.047	0.007	568.299	0.055	0.014
Pavers	2040	2040Pavers120	120	0.302	1.731	3.763	0.043	0.043	0.006	568.299	0.027	0.014
Pavers	2040	2040Pavers175	175	0.213	0.583	3.319	0.027	0.027	0.006	568.299	0.019	0.014
Pavers	2040	2040Pavers250	250	0.2	0.525	1.138	0.018	0.018	0.006	568.299	0.018	0.014
Pavers	2040	2040Pavers500	500	0.198	0.498	1.085	0.018	0.018	0.005	568.299	0.017	0.014
Paving Equipment	1990	1990Paving Equipment25	25	2.213	6.919	4.999	0.741	0.741	0.855	568.299	0.199	0.014

Paving Equipment	1990	1990Paving Equipment50	50	4.84	7.965	9.783	1.277	1.277	0.871	568.299	0.436	0.014
Paving Equipment	1990	1990Paving Equipment120	120	2.398	15.202	5.796	1.352	1.352	0.791	568.299	0.216	0.014
Paving Equipment	1990	1990Paving Equipment175	175	1.88	14.821	5.196	1.044	1.044	0.758	568.3	0.169	0.014
Paving Equipment	1990	1990Paving Equipment250	250	1.88	14.821	5.196	1.044	1.044	0.758	568.299	0.169	0.014
Paving Equipment	2000	2000Paving Equipment25	25	1.958	6.358	4.53	0.563	0.563	0.065	568.299	0.176	0.014
Paving Equipment	2000	2000Paving Equipment50	50	4.412	7.101	9.076	0.921	0.921	0.066	568.299	0.398	0.014
Paving Equipment	2000	2000Paving Equipment120	120	1.933	11.122	4.844	0.909	0.909	0.06	568.299	0.174	0.014
Paving Equipment	2000	2000Paving Equipment175	175	1.316	10.15	4.018	0.553	0.553	0.057	568.299	0.118	0.014
Paving Equipment	2000	2000Paving Equipment250	250	1.172	9.895	3.458	0.486	0.486	0.057	568.299	0.105	0.014
Paving Equipment	2005	2005Paving Equipment25	25	0.919	5.412	2.642	0.347	0.347	0.065	568.299	0.082	0.014
Paving Equipment	2005	2005Paving Equipment50	50	4.077	6.73	8.626	0.875	0.875	0.066	568.299	0.367	0.014
Paving Equipment	2005	2005Paving Equipment120	120	1.719	9.754	4.557	0.86	0.86	0.06	568.299	0.155	0.014
Paving Equipment	2005	2005Paving Equipment175	175	1.135	8.873	3.705	0.494	0.494	0.057	568.299	0.102	0.014
Paving Equipment	2005	2005Paving Equipment250	250	0.921	8.548	2.655	0.38	0.38	0.057	568.299	0.083	0.014
Paving Equipment	2010	2010Paving Equipment25	25	1.1590	5.35696	4.92203	0.4700	0.4330	0.0050	578.6236	0.1680	0.015
Paving Equipment	2010	2010Paving Equipment50	50	1.1590	5.35696	4.92203	0.4700	0.4330	0.0050	578.6236	0.1680	0.015
Paving Equipment	2010	2010Paving Equipment120	120	0.7860	7.23593	3.90118	0.5530	0.5080	0.0050	526.5834	0.1530	0.013
Paving Equipment	2010	2010Paving Equipment175	175	0.4820	6.09511	3.13688	0.2950	0.2710	0.0050	523.4127	0.1520	0.013
Paving Equipment	2010	2010Paving Equipment250	250	0.4090	6.03614	1.69744	0.2240	0.2060	0.0050	524.3728	0.1530	0.013
Paving Equipment	2011	2011Paving Equipment25	25	1.1600	5.36974	4.99687	0.4720	0.4340	0.0050	577.1303	0.1680	0.015
Paving Equipment	2011	2011Paving Equipment50	50	1.1600	5.36974	4.99687	0.4720	0.4340	0.0050	577.1303	0.1680	0.015
Paving Equipment	2011	2011Paving Equipment120	120	0.7520	6.99544	3.87125	0.5360	0.4930	0.0050	524.9269	0.1530	0.013
Paving Equipment	2011	2011Paving Equipment175	175	0.4750	5.97526	3.14337	0.2900	0.267	0.0050	522.1549	0.1520	0.013
Paving Equipment	2011	2011Paving Equipment250	250	0.3920	5.77978	1.64572	0.2130	0.1960	0.0050	523.0323	0.1530	0.013
Paving Equipment	2012	2012Paving Equipment25	25	1.1640	5.34363	5.06516	0.4700	0.4320	0.0050	575.687	0.1680	0.015
Paving Equipment	2012	2012Paving Equipment50	50	1.1640	5.34363	5.06516	0.4700	0.4320	0.0050	575.687	0.1680	0.015
Paving Equipment	2012	2012Paving Equipment120	120	0.765	7.04165	3.90635	0.5460	0.5030	0.0050	523.5886	0.1530	0.013
Paving Equipment	2012	2012Paving Equipment175	175	0.4750	5.9326	3.15801	0.2900	0.2670	0.0050	520.7286	0.1520	0.013
Paving Equipment	2012	2012Paving Equipment250	250	0.399	5.81292	1.657	0.2150	0.1980	0.0050	521.7154	0.1530	0.013
Paving Equipment	2013	2013Paving Equipment25	25	1.1150	5.2986	5.02677	0.4590	0.4220	0.0050	572.4644	0.1680	0.015
Paving Equipment	2013	2013Paving Equipment50	50	1.1150	5.2986	5.02677	0.4590	0.4220	0.0050	572.4644	0.1680	0.015
Paving Equipment	2013	2013Paving Equipment120	120	0.7100	6.6576	3.86369	0.5070	0.4670	0.0050	520.6724	0.1530	0.013
Paving Equipment	2013	2013Paving Equipment175	175	0.4470	5.60344	3.1205	0.2710	0.2490	0.0050	517.6606	0.1520	0.013
Paving Equipment	2013	2013Paving Equipment250	250	0.3420	5.25206	1.48037	0.1800	0.166	0.0050	519.5215	0.1530	0.013
Paving Equipment	2014	2014Paving Equipment25	25	1.0530	5.18385	4.95215	0.4370	0.4020	0.0050	569.4822	0.1680	0.015
Paving Equipment	2014	2014Paving Equipment50	50	1.0530	5.18385	4.95215	0.4370	0.4020	0.0050	569.4822	0.1680	0.015
Paving Equipment	2014	2014Paving Equipment120	120	0.6770	6.36952	3.83664	0.4860	0.4470	0.0050	518.0756	0.1530	0.013
Paving Equipment	2014	2014Paving Equipment175	175	0.4150	5.21567	3.09686	0.2490	0.2290	0.0050	515.0343	0.1520	0.013
Paving Equipment	2014	2014Paving Equipment250	250	0.3100	4.78232	1.37011	0.1580	0.1460	0.0050	516.8998	0.1530	0.013
Paving Equipment	2015	2015Paving Equipment25	25	0.9810	5.02757	4.86895	0.4070	0.3740	0.0050	563.5534	0.1680	0.014
Paving Equipment	2015	2015Paving Equipment50	50	0.9810	5.02757	4.86895	0.4070	0.3740	0.0050	563.5534	0.1680	0.014
Paving Equipment	2015	2015Paving Equipment120	120	0.661	6.14454	3.83329	0.4710	0.4330	0.0050	513.1672	0.1530	0.013
Paving Equipment	2015	2015Paving Equipment175	175	0.4110	4.96561	3.10403	0.2420	0.2230	0.0050	509.8942	0.1520	0.013
Paving Equipment	2015	2015Paving Equipment250	250	0.315	4.77176	1.37947	0.1590	0.146	0.0050	511.6544	0.1530	0.013
Paving Equipment	2016	2016Paving Equipment25	25	0.9910	4.98487	4.93662	0.4030	0.3710	0.0050	557.7058	0.1680	0.014
Paving Equipment	2016	2016Paving Equipment50	50	0.9910	4.98487	4.93662	0.4030	0.3710	0.0050	557.7058	0.1680	0.014
Paving Equipment	2016	2016Paving Equipment120	120	0.6230	5.7333	3.79639	0.4380	0.4030	0.0050	507.9102	0.1530	0.013
Paving Equipment	2016	2016Paving Equipment175	175	0.3720	4.3217	3.08114	0.2140	0.1970	0.0050	504.8201	0.1520	0.013
Paving Equipment	2016	2016Paving Equipment250	250	0.2970	4.42821	1.33145	0.1480	0.1360	0.0050	506.1965	0.1530	0.013
Paving Equipment	2017	2017Paving Equipment25	25	0.9260	4.72756	4.80403	0.3590	0.3300	0.0050	548.6481	0.1680	0.014
Paving Equipment	2017	2017Paving Equipment50	50	0.9260	4.72756	4.80403	0.3590	0.3300	0.0050	548.6481	0.1680	0.014
Paving Equipment	2017	2017Paving Equipment120	120	0.563	5.20745	3.74146	0.3910	0.3590	0.0050	500.1649	0.1530	0.013
Paving Equipment	2017	2017Paving Equipment175	175	0.3420	3.89633	3.07321	0.1950	0.1790	0.0050	497.148	0.1520	0.013
Paving Equipment	2017	2017Paving Equipment250	250	0.2880	4.12109	1.333	0.1410	0.1300	0.0050	498.7323	0.1530	0.013
Paving Equipment	2018	2018Paving Equipment25	25	0.7370	4.31244	4.41578	0.286	0.2630	0.0050	540.6115	0.1680	0.014
Paving Equipment	2018	2018Paving Equipment50	50	0.7370	4.31244	4.41578	0.286	0.2630	0.0050	540.6115	0.1680	0.014
Paving Equipment	2018	2018Paving Equipment120	120	0.4490	4.27034	3.60743	0.3020	0.278	0.0050	492.1184	0.1530	0.013
Paving Equipment	2018	2018Paving Equipment175	175	0.2840	3.17208	3.02602	0.1550	0.1430	0.0050	489.2024	0.1520	0.012
Paving Equipment	2018	2018Paving Equipment250	250	0.2580	3.58656	1.28117	0.1230	0.1130	0.0050	490.6833	0.1530	0.012
Paving Equipment	2019	2019Paving Equipment25	25	0.7050	4.23779	4.40798	0.2700	0.2480	0.0050	531.8612	0.1680	0.014
Paving Equipment	2019	2019Paving Equipment50	50	0.7050	4.23779	4.40798	0.2700	0.2480	0.0050	531.8612	0.1680	0.014
Paving Equipment	2019	2019Paving Equipment120	120	0.4250	4.04152	3.59849	0.2810	0.2580	0.0050	484.387	0.1530	0.012
Paving Equipment	2019	2019Paving Equipment175	175	0.2540	2.6924	3.0109	0.1340	0.1230	0.0050	481.2251	0.1520	0.012
Paving Equipment	2019	2019Paving Equipment250	250	0.2410	3.25106	1.24449	0.1120	0.1030	0.0050	482.6441	0.1530	0.012
Paving Equipment	2020	2020Paving Equipment25	25	0.6210	3.9519	4.22322	0.2170	0.2000	0.0050	520.1235	0.1680	0.013
Paving Equipment	2020	2020Paving Equipment50	50	0.6210	3.9519	4.22322	0.2170	0.2000	0.0050	520.1235	0.1680	0.013
Paving Equipment	2020	2020Paving Equipment120	120	0.3970	3.78064	3.58172	0.2560	0.2350	0.0050	473.3249	0.1530	0.012
Paving Equipment	2020	2020Paving Equipment175	175	0.2480	2.55498	3.02393	0.1280	0.1180	0.0050	470.7359	0.1520	0.012
Paving Equipment	2020	2020Paving Equipment250	250	0.2430	3.2202	1.25215	0.1110	0.1020	0.0050	472.1514	0.1530	0.012
Paving Equipment	2021	2021Paving Equipment25	25	0.5870	3.88226	4.21072	0.2000	0.1840	0.0050	520.3965	0.1680	0.013
Paving Equipment	2021	2021Paving Equipment50	50	0.5870	3.88226	4.21072	0.2000	0.1840	0.0050	520.3965	0.1680	0.013
Paving Equipment	2021	2021Paving Equipment120	120	0.3550	3.45065	3.5537	0.219	0.2010	0.0050	473.2205	0.153	0.012
Paving Equipment	2021	2021Paving Equipment175	175	0.2290	2.31505	3.03229	0.1140	0.1050	0.0050	470.6495	0.1520	0.012
Paving Equipment	2021	2021Paving Equipment250	250	0.2110	2.58202	1.20904	0.0920	0.0850	0.0050	472.151	0.1530	0.012
Paving Equipment	2022	2022Paving Equipment25	25	0.5710	3.83611	4.24448	0.1880	0.1730	0.0050	520.6594	0.1680	0.013
Paving Equipment	2022	2022Paving Equipment50	50	0.5710	3.83611	4.24448	0.1880	0.1730	0.0050	520.6594	0.1680	0.013
Paving Equipment	2022	2022Paving Equipment120	120	0.2960	2.99968	3.50075	0.171	0.1570	0.0050	473.4475	0.1530	0.012
Paving Equipment	2022	2022Paving Equipment175	175	0.2130	2.07331	3.03777	0.1010	0.093	0.0050	470.6646	0.1520	0.012
Paving Equipment	2022	2022Paving Equipment250	250	0.1950	2.22813	1.20363	0.083	0.0760	0.0050	472.169	0.1530	0.012
Paving Equipment	2023	2023Paving Equipment25	25	0.5410	3.77446	4.24108	0.1730	0.1590	0.0050	521.1138	0.1690	0.013
Paving Equipment	2023	2023Paving Equipment50	50	0.5410	3.77446	4.24108	0.1730	0.1590	0.0050	521.1138	0.1690	0.013
Paving Equipment	2023	2023Paving Equipment120	120	0.2780	2.83717	3.50331	0.1520	0.1400	0.0050	473.427	0.1530	0.012
Paving Equipment	2023	2023Paving Equipment175	175	0.2040	1.91255	3.05059	0.093	0.0860	0.0050	470.663	0.1520	0.012
Paving Equipment	2023	2023Paving Equipment250	250	0.175	1.88495	1.16523	0.0700	0.0650	0.0050	472.169	0.1530	0.012
Paving Equipment	2024	2024Paving Equipment25	25	0.523	3.74329	4.27468	0.164	0.1510	0.0050	521.0575	0.1690	0.013
Paving Equipment	2024	2024Paving Equipment50	50	0.523	3.74329	4.27468	0.164	0.1510	0.0050	521.0575	0.1690	0.013
Paving Equipment	2024	2024Paving Equipment120	120	0.2620	2.67309	3.50288	0.1350	0.1250	0.0050	473.1748	0.153	0.012
Paving Equipment	2024	2024Paving Equipment175	175	0.1970	1.78512	3.06623	0.0860	0.0790	0.0050	470.6614	0.1520	0.012
Paving Equipment	2024	2024Paving Equipment250	250	0.1380	1.29567	1.11417	0.048	0.0440	0.0050	472.2124	0.1530	0.012
Paving Equipment	2025	2025Paving Equipment25	25	0.4760	3.62672	4.20347	0.1410	0.1300	0.0050	520.9975	0.1690	0.013
Paving Equipment	2025	2025Paving Equipment50	50	0.4760	3.62672	4.20347	0.1410	0.1300	0.0050	520.9975	0.1690	0.013
Paving Equipment	2025	2025Paving Equipment120	120	0.2410	2.49628	3.48256	0.1180	0.1080	0.0050	473.4239	0.1530	0.012
Paving Equipment	2025	2025Paving Equipment175	175	0.1750	1.509	3.03837	0.0750	0.0690	0.0050	470.4844	0.1520	0.012
Paving Equipment	2025	2025Paving Equipment250	250	0.1330	1.10952	1.11653	0.0430	0.04	0.0050	472.2341	0.1530	0.012
Paving Equipment	2030	2030Paving Equipment25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Paving Equipment	2030	2030Paving Equipment50	50	0.802	3.809	5.309	0.126	0.126	0.007	568.299	0.072	0.014
Paving Equipment	2030	2030Paving Equipment120	120	0.39	2.393	3.774	0.114	0.114	0.006	568.3	0.035	0.014
Paving Equipment	2030	2030Paving Equipment175	175	0.29	1.363	3.306	0.07	0.07	0.006	568.299	0.026	0.014
Paving Equipment	2030	2030Paving Equipment250	250	0.25	1.176	1.171	0.042	0.042	0.006	568.299	0.022	0.014
Paving Equipment	2035	2035Paving Equipment25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Paving Equipment	2035	2035Paving Equipment50	50	0.664	3.511	5.181	0.07	0.07	0.007	568.3	0.059	0.014
Paving Equipment	2035	2035Paving Equipment120	120	0.326	1.928	3.753	0.064	0.064	0.006	568.299	0.029	0.014
Paving Equipment	2035	2035Paving Equipment175	175	0.235	0.832	3.303	0.04	0.04	0.006	568.299	0.021	0.014
Paving Equipment	2035	2035Paving Equipment250	250	0.212	0.714	1.14	0.024	0.024	0.006	568.299	0.019	0.014
Paving Equipment	2040	2040Paving Equipment25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Paving Equipment	2040	2040Paving Equipment50	50	0.589	3.361	5.111	0.042	0.042	0.007	568.3	0.053	0.014
Paving Equipment	2040	2040Paving Equipment120	120	0.291	1.687	3.744	0.039	0.039	0.006	568.299	0.026	0.014
Paving Equipment	2040	2040Paving Equipment175	175	0.205	0.536	3.304	0.025	0.025	0.006	568.299	0.018	0.014
Paving Equipment	2040	2040Paving Equipment250	250	0.193	0.485	1.127	0.017	0.017	0.006	568.299	0.017	0.014
Plate Compactors	1990	1990Plate Compactors15	15	1.804	9.999	4.999	0.975	0.975	1.049	568.299	0.162	0.014
Plate Compactors	2000	2000Plate Compactors15	15	1.55	8.519	4.606	0.708	0.708	0.079	568.299	0.139	0.014
Plate Compactors	2005	2005Plate Compactors15	15	0.799	5.435	3.503	0.377	0.377	0.079	568.299	0.072	0.014
Plate Compactors	2010	2010Plate Compactors15	15	0.664	4.178	3.469	0.198	0.198	0.008	568.299	0.059	0.014
Plate Compactors	2011	2011Plate Compactors15	15	0.662	4.15	3.469	0.172	0.172	0.008	568.299	0.059	0.014
Plate Compactors	2012	2012Plate Compactors15	15	0.661	4.142	3.469	0.165	0.165	0.008	568.3	0.059	0.014
Plate Compactors	2013	2013Plate Compactors15	15	0.661	4.142	3.469	0.162	0.162	0.008	568.3	0.059	0.014
Plate Compactors	2014	2014Plate Compactors15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Plate Compactors	2015	2015Plate Compactors15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Plate Compactors	2016	2016Plate Compactors15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Plate Compactors	2017	2017Plate Compactors15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Plate Compactors	2018	2018Plate Compactors15	15	0.661	4.142	3.47	0.161	0.161	0.008	568.3	0.059	0.014
Plate Compactors	2019	2019Plate Compactors15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Plate Compactors	2020	2020Plate Compactors15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Plate Compactors	2021	2021Plate Compactors15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Plate Compactors	2022	2022Plate Compactors15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Plate Compactors	2023	2023Plate Compactors15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Plate Compactors	2024	2024Plate Compactors15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Plate Compactors	2025	2025Plate Compactors15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Plate Compactors	2030	2030Plate Compactors15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Plate Compactors	2035	2035Plate Compactors15	15	0.661	4.142	3.47	0.161	0.161	0.008	568.299	0.059	0.014
Plate Compactors	2040	2040Plate Compactors15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Pressure Washers	1990	1990Pressure Washers15	15	1.804	9.999	4.999	0.974	0.974	1.018	568.299	0.162	0.014
Pressure Washers	1990	1990Pressure Washers25	25	2.213	6.92	5	0.74	0.74	0.83	568.3	0.199	0.014
Pressure Washers	1990	1990Pressure Washers50	50	2.601	7.129	5.721	0.821	0.821	0.846	568.299	0.234	0.014
Pressure Washers	1990	1990Pressure Washers120	120	1.743	12.634	4.735	0.874	0.874	0.768	568.299	0.157	0.014
Pressure Washers	1990	1990Pressure Washers175	175	1.272	11.763	4.353	0.649	0.649	1.123	568.299	0.114	0.014
Pressure Washers	1990	1990Pressure Washers250	250	0.953	9.035	3.084	0.476	0.476	1.077	568.299	0.086	0.014
Pressure Washers	2000	2000Pressure Washers15	15	1.518	8.846	4.875	0.613	0.613	0.079	568.299	0.137	0.014
Pressure Washers	2000	2000Pressure Washers25	25	1.667	6.405	4.783	0.51	0.51	0.065	568.299	0.15	0.014
Pressure Washers	2000	2000Pressure Washers50	50	2.474	6.381	5.524	0.615	0.615	0.066	568.3	0.223	0.014
Pressure Washers	2000	2000Pressure Washers120	120	1.417	9.062	3.967	0.613	0.613	0.06	568.3	0.127	0.014
Pressure Washers	2000	2000Pressure Washers175	175	1.024	8.685	3.38	0.399	0.399	0.059	568.299	0.092	0.014

Pressure Washers	2000	2000Pressure Washers250	250	0.438	6.315	1.005	0.143	0.143	0.058	568.299	0.039	0.014
Pressure Washers	2005	2005Pressure Washers15	15	1.212	7.615	4.38	0.505	0.505	0.079	568.3	0.109	0.014
Pressure Washers	2005	2005Pressure Washers25	25	1.253	6.014	3.922	0.432	0.432	0.065	568.299	0.113	0.014
Pressure Washers	2005	2005Pressure Washers50	50	2.154	5.932	5.075	0.566	0.566	0.066	568.299	0.194	0.014
Pressure Washers	2005	2005Pressure Washers120	120	1.21	7.651	3.682	0.566	0.566	0.06	568.299	0.109	0.014
Pressure Washers	2005	2005Pressure Washers175	175	0.863	7.441	3.072	0.349	0.349	0.059	568.299	0.077	0.014
Pressure Washers	2005	2005Pressure Washers250	250	0.27	4.822	0.986	0.111	0.111	0.058	568.299	0.024	0.014
Pressure Washers	2010	2010Pressure Washers15	15	0.953	6.387	4.027	0.38	0.38	0.008	568.299	0.086	0.014
Pressure Washers	2010	2010Pressure Washers25	25	0.961	5.477	3.309	0.342	0.342	0.007	568.299	0.086	0.014
Pressure Washers	2010	2010Pressure Washers50	50	1.622	5.501	4.517	0.453	0.453	0.007	568.299	0.146	0.014
Pressure Washers	2010	2010Pressure Washers120	120	0.906	6.273	3.503	0.451	0.451	0.006	568.299	0.081	0.014
Pressure Washers	2010	2010Pressure Washers175	175	0.637	5.773	2.967	0.275	0.275	0.006	568.299	0.057	0.014
Pressure Washers	2010	2010Pressure Washers250	250	0.203	2.5	0.986	0.1	0.1	0.006	568.299	0.018	0.014
Pressure Washers	2011	2011Pressure Washers15	15	0.908	6.134	3.952	0.358	0.358	0.008	568.299	0.081	0.014
Pressure Washers	2011	2011Pressure Washers25	25	0.92	5.36	3.179	0.325	0.325	0.007	568.299	0.083	0.014
Pressure Washers	2011	2011Pressure Washers50	50	1.496	5.405	4.382	0.428	0.428	0.007	568.299	0.135	0.014
Pressure Washers	2011	2011Pressure Washers120	120	0.839	5.939	3.468	0.43	0.43	0.006	568.299	0.075	0.014
Pressure Washers	2011	2011Pressure Washers175	175	0.594	5.441	2.953	0.263	0.263	0.006	568.299	0.053	0.014
Pressure Washers	2011	2011Pressure Washers250	250	0.188	2.086	0.986	0.072	0.072	0.006	568.299	0.016	0.014
Pressure Washers	2012	2012Pressure Washers15	15	0.865	5.874	3.874	0.338	0.338	0.008	568.299	0.078	0.014
Pressure Washers	2012	2012Pressure Washers25	25	0.884	5.239	3.043	0.307	0.307	0.007	568.299	0.079	0.014
Pressure Washers	2012	2012Pressure Washers50	50	1.363	5.306	4.238	0.402	0.402	0.007	568.299	0.123	0.014
Pressure Washers	2012	2012Pressure Washers120	120	0.77	5.578	3.433	0.4	0.4	0.006	568.299	0.069	0.014
Pressure Washers	2012	2012Pressure Washers175	175	0.551	5.109	2.941	0.244	0.244	0.006	568.299	0.049	0.014
Pressure Washers	2012	2012Pressure Washers250	250	0.171	1.749	0.986	0.046	0.046	0.006	568.299	0.015	0.014
Pressure Washers	2013	2013Pressure Washers15	15	0.823	5.616	3.796	0.318	0.318	0.008	568.299	0.074	0.014
Pressure Washers	2013	2013Pressure Washers25	25	0.851	5.117	2.907	0.289	0.289	0.007	568.299	0.076	0.014
Pressure Washers	2013	2013Pressure Washers50	50	1.228	5.086	4.092	0.367	0.367	0.007	568.299	0.11	0.014
Pressure Washers	2013	2013Pressure Washers120	120	0.701	5.226	3.399	0.366	0.366	0.006	568.299	0.063	0.014
Pressure Washers	2013	2013Pressure Washers175	175	0.51	4.803	2.931	0.225	0.225	0.006	568.299	0.046	0.014
Pressure Washers	2013	2013Pressure Washers250	250	0.154	1.468	0.986	0.021	0.021	0.006	568.299	0.013	0.014
Pressure Washers	2014	2014Pressure Washers15	15	0.783	5.369	3.723	0.298	0.298	0.008	568.299	0.07	0.014
Pressure Washers	2014	2014Pressure Washers25	25	0.821	5	2.78	0.272	0.272	0.007	568.299	0.074	0.014
Pressure Washers	2014	2014Pressure Washers50	50	1.096	4.873	3.951	0.332	0.332	0.007	568.299	0.098	0.014
Pressure Washers	2014	2014Pressure Washers120	120	0.634	4.912	3.367	0.332	0.332	0.006	568.299	0.057	0.014
Pressure Washers	2014	2014Pressure Washers175	175	0.469	4.513	2.923	0.206	0.206	0.006	568.299	0.042	0.014
Pressure Washers	2014	2014Pressure Washers250	250	0.137	1.047	0.986	0.014	0.014	0.006	568.299	0.012	0.014
Pressure Washers	2015	2015Pressure Washers15	15	0.747	5.141	3.657	0.28	0.28	0.008	568.299	0.067	0.014
Pressure Washers	2015	2015Pressure Washers25	25	0.793	4.89	2.666	0.256	0.256	0.007	568.299	0.071	0.014
Pressure Washers	2015	2015Pressure Washers50	50	0.976	4.685	3.833	0.3	0.3	0.007	568.299	0.088	0.014
Pressure Washers	2015	2015Pressure Washers120	120	0.567	4.551	3.336	0.297	0.297	0.006	568.299	0.051	0.014
Pressure Washers	2015	2015Pressure Washers175	175	0.427	4.115	2.917	0.187	0.187	0.006	568.299	0.038	0.014
Pressure Washers	2015	2015Pressure Washers250	250	0.121	0.69	0.986	0.01	0.01	0.006	568.299	0.01	0.014
Pressure Washers	2016	2016Pressure Washers15	15	0.72	4.978	3.622	0.264	0.264	0.008	568.299	0.065	0.014
Pressure Washers	2016	2016Pressure Washers25	25	0.773	4.803	2.604	0.244	0.244	0.007	568.299	0.069	0.014
Pressure Washers	2016	2016Pressure Washers50	50	0.865	4.515	3.729	0.269	0.269	0.007	568.299	0.078	0.014
Pressure Washers	2016	2016Pressure Washers120	120	0.504	4.209	3.308	0.264	0.264	0.006	568.299	0.045	0.014
Pressure Washers	2016	2016Pressure Washers175	175	0.386	3.726	2.913	0.168	0.168	0.006	568.299	0.034	0.014
Pressure Washers	2016	2016Pressure Washers250	250	0.107	0.399	0.986	0.009	0.009	0.006	568.299	0.009	0.014
Pressure Washers	2017	2017Pressure Washers15	15	0.699	4.847	3.599	0.25	0.25	0.008	568.299	0.063	0.014
Pressure Washers	2017	2017Pressure Washers25	25	0.757	4.729	2.564	0.233	0.233	0.007	568.299	0.068	0.014
Pressure Washers	2017	2017Pressure Washers50	50	0.76	4.355	3.632	0.24	0.24	0.007	568.299	0.068	0.014
Pressure Washers	2017	2017Pressure Washers120	120	0.444	3.888	3.283	0.233	0.233	0.006	568.3	0.04	0.014
Pressure Washers	2017	2017Pressure Washers175	175	0.346	3.349	2.91	0.149	0.149	0.006	568.299	0.031	0.014
Pressure Washers	2017	2017Pressure Washers250	250	0.102	0.317	0.986	0.009	0.009	0.006	568.299	0.009	0.014
Pressure Washers	2018	2018Pressure Washers15	15	0.679	4.728	3.58	0.237	0.237	0.008	568.299	0.061	0.014
Pressure Washers	2018	2018Pressure Washers25	25	0.744	4.661	2.531	0.224	0.224	0.007	568.299	0.067	0.014
Pressure Washers	2018	2018Pressure Washers50	50	0.661	4.202	3.542	0.212	0.212	0.007	568.299	0.059	0.014
Pressure Washers	2018	2018Pressure Washers120	120	0.388	3.584	3.26	0.203	0.203	0.006	568.299	0.035	0.014
Pressure Washers	2018	2018Pressure Washers175	175	0.309	2.989	2.908	0.132	0.132	0.006	568.299	0.027	0.014
Pressure Washers	2018	2018Pressure Washers250	250	0.099	0.277	0.986	0.009	0.009	0.006	568.299	0.008	0.014
Pressure Washers	2019	2019Pressure Washers15	15	0.662	4.617	3.562	0.224	0.224	0.008	568.299	0.059	0.014
Pressure Washers	2019	2019Pressure Washers25	25	0.731	4.596	2.501	0.214	0.214	0.007	568.299	0.066	0.014
Pressure Washers	2019	2019Pressure Washers50	50	0.569	4.053	3.457	0.184	0.184	0.007	568.299	0.051	0.014
Pressure Washers	2019	2019Pressure Washers120	120	0.337	3.295	3.24	0.174	0.174	0.006	568.299	0.03	0.014
Pressure Washers	2019	2019Pressure Washers175	175	0.28	2.67	2.907	0.117	0.117	0.006	568.299	0.025	0.014
Pressure Washers	2019	2019Pressure Washers250	250	0.098	0.265	0.986	0.009	0.009	0.006	568.299	0.008	0.014
Pressure Washers	2020	2020Pressure Washers15	15	0.646	4.516	3.546	0.212	0.212	0.008	568.299	0.058	0.014
Pressure Washers	2020	2020Pressure Washers25	25	0.721	4.538	2.473	0.205	0.205	0.007	568.299	0.065	0.014
Pressure Washers	2020	2020Pressure Washers50	50	0.499	3.917	3.393	0.161	0.161	0.007	568.299	0.045	0.014
Pressure Washers	2020	2020Pressure Washers120	120	0.298	3.036	3.225	0.151	0.151	0.006	568.299	0.026	0.014
Pressure Washers	2020	2020Pressure Washers175	175	0.258	2.383	2.907	0.104	0.104	0.006	568.299	0.023	0.014
Pressure Washers	2020	2020Pressure Washers250	250	0.098	0.265	0.986	0.009	0.009	0.006	568.299	0.008	0.014
Pressure Washers	2021	2021Pressure Washers15	15	0.634	4.441	3.531	0.201	0.201	0.008	568.299	0.057	0.014
Pressure Washers	2021	2021Pressure Washers25	25	0.712	4.497	2.446	0.196	0.196	0.007	568.299	0.064	0.014
Pressure Washers	2021	2021Pressure Washers50	50	0.439	3.765	3.329	0.136	0.136	0.007	568.299	0.039	0.014
Pressure Washers	2021	2021Pressure Washers120	120	0.264	2.766	3.21	0.129	0.129	0.006	568.299	0.023	0.014
Pressure Washers	2021	2021Pressure Washers175	175	0.238	2.118	2.907	0.093	0.093	0.006	568.299	0.021	0.014
Pressure Washers	2021	2021Pressure Washers250	250	0.098	0.265	0.986	0.009	0.009	0.006	568.299	0.008	0.014
Pressure Washers	2022	2022Pressure Washers15	15	0.626	4.39	3.519	0.193	0.193	0.008	568.299	0.056	0.014
Pressure Washers	2022	2022Pressure Washers25	25	0.706	4.47	2.426	0.188	0.188	0.007	568.299	0.063	0.014
Pressure Washers	2022	2022Pressure Washers50	50	0.398	3.649	3.291	0.117	0.117	0.007	568.3	0.035	0.014
Pressure Washers	2022	2022Pressure Washers120	120	0.241	2.56	3.202	0.112	0.112	0.006	568.299	0.021	0.014
Pressure Washers	2022	2022Pressure Washers175	175	0.221	1.871	2.907	0.082	0.082	0.006	568.299	0.019	0.014
Pressure Washers	2022	2022Pressure Washers250	250	0.098	0.265	0.986	0.009	0.009	0.006	568.299	0.008	0.014
Pressure Washers	2023	2023Pressure Washers15	15	0.618	4.345	3.508	0.186	0.186	0.008	568.299	0.055	0.014
Pressure Washers	2023	2023Pressure Washers25	25	0.701	4.447	2.407	0.182	0.182	0.007	568.299	0.063	0.014
Pressure Washers	2023	2023Pressure Washers50	50	0.363	3.541	3.26	0.101	0.101	0.007	568.299	0.032	0.014
Pressure Washers	2023	2023Pressure Washers120	120	0.222	2.377	3.196	0.097	0.097	0.006	568.299	0.02	0.014
Pressure Washers	2023	2023Pressure Washers175	175	0.205	1.665	2.907	0.072	0.072	0.006	568.299	0.018	0.014
Pressure Washers	2023	2023Pressure Washers250	250	0.098	0.265	0.986	0.009	0.009	0.006	568.299	0.008	0.014
Pressure Washers	2024	2024Pressure Washers15	15	0.612	4.305	3.499	0.181	0.181	0.008	568.299	0.055	0.014
Pressure Washers	2024	2024Pressure Washers25	25	0.697	4.426	2.39	0.178	0.178	0.007	568.299	0.062	0.014
Pressure Washers	2024	2024Pressure Washers50	50	0.333	3.441	3.233	0.087	0.087	0.007	568.299	0.03	0.014
Pressure Washers	2024	2024Pressure Washers120	120	0.204	2.229	3.191	0.084	0.084	0.006	568.299	0.018	0.014
Pressure Washers	2024	2024Pressure Washers175	175	0.191	1.482	2.907	0.062	0.062	0.006	568.299	0.017	0.014
Pressure Washers	2024	2024Pressure Washers250	250	0.098	0.265	0.986	0.009	0.009	0.006	568.299	0.008	0.014
Pressure Washers	2025	2025Pressure Washers15	15	0.607	4.269	3.491	0.178	0.178	0.008	568.299	0.054	0.014
Pressure Washers	2025	2025Pressure Washers25	25	0.694	4.407	2.376	0.175	0.175	0.007	568.299	0.062	0.014
Pressure Washers	2025	2025Pressure Washers50	50	0.306	3.344	3.21	0.075	0.075	0.007	568.299	0.027	0.014
Pressure Washers	2025	2025Pressure Washers120	120	0.189	2.1	3.186	0.072	0.072	0.006	568.299	0.017	0.014
Pressure Washers	2025	2025Pressure Washers175	175	0.178	1.31	2.907	0.053	0.053	0.006	568.299	0.016	0.014
Pressure Washers	2025	2025Pressure Washers250	250	0.098	0.265	0.986	0.009	0.009	0.006	568.299	0.008	0.014
Pressure Washers	2030	2030Pressure Washers15	15	0.592	4.164	3.47	0.166	0.166	0.008	568.3	0.053	0.014
Pressure Washers	2030	2030Pressure Washers25	25	0.686	4.347	2.34	0.165	0.165	0.007	568.299	0.061	0.014
Pressure Washers	2030	2030Pressure Washers50	50	0.215	2.989	3.124	0.03	0.03	0.007	568.299	0.019	0.014
Pressure Washers	2030	2030Pressure Washers120	120	0.134	1.594	3.167	0.028	0.028	0.006	568.3	0.012	0.014
Pressure Washers	2030	2030Pressure Washers175	175	0.126	0.619	2.907	0.024	0.024	0.006	568.299	0.011	0.014
Pressure Washers	2030	2030Pressure Washers250	250	0.098	0.265	0.986	0.009	0.009	0.006	568.299	0.008	0.014
Pressure Washers	2035	2035Pressure Washers15	15	0.589	4.143	3.47	0.162	0.162	0.008	568.3	0.053	0.014
Pressure Washers	2035	2035Pressure Washers25	25	0.685	4.332	2.34	0.162	0.162	0.007	568.299	0.061	0.014
Pressure Washers	2035	2035Pressure Washers50	50	0.188	2.882	3.101	0.015	0.015	0.007	568.299	0.016	0.014
Pressure Washers	2035	2035Pressure Washers120	120	0.116	1.421	3.161	0.014	0.014	0.006	568.299	0.01	0.014
Pressure Washers	2035	2035Pressure Washers175	175	0.109	0.382	2.907	0.013	0.013	0.006	568.299	0.009	0.014
Pressure Washers	2035	2035Pressure Washers250	250	0.098	0.265	0.986	0.009	0.009	0.006	568.299	0.008	0.014
Pressure Washers	2040	2040Pressure Washers15	15	0.589	4.142	3.469	0.161	0.161	0.008	568.299	0.053	0.014
Pressure Washers	2040	2040Pressure Washers25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Pressure Washers	2040	2040Pressure Washers50	50	0.186	2.836	3.098	0.01	0.01	0.007	568.299	0.016	0.014
Pressure Washers	2040	2040Pressure Washers120	120	0.113	1.365	3.16	0.01	0.01	0.006	568.299	0.01	0.014
Pressure Washers	2040	2040Pressure Washers175	175	0.103	0.293	2.907	0.01	0.01	0.006	568.299	0.009	0.014
Pressure Washers	2040	2040Pressure Washers250	250	0.098	0.265	0.986	0.009	0.009	0.006	568.299	0.008	0.014
Pumps	1990	1990Pumps15	15	1.804	10	4.999	0.974	0.974	1.018	568.299	0.162	0.014
Pumps	1990	1990Pumps25	25	2.213	6.92	4.999	0.74	0.74	0.83	568.299	0.199	0.014
Pumps	1990	1990Pumps50	50	3.307	7.391	7.004	0.964	0.964	0.846	568.299	0.298	0.014
Pumps	1990	1990Pumps120	120	1.941	13.378	5.049	1.022	1.022	0.768	568.299	0.175	0.014
Pumps	1990	1990Pumps175	175	1.328	12.036	4.466	0.678	0.678	0.736	568.299	0.119	0.014
Pumps	1990	1990Pumps250	250	1.328	12.036	4.466	0.678	0.678	0.736	568.299	0.119	0.014
Pumps	1990	1990Pumps500	500	1.222	11.736	7.034	0.614	0.614	0.642	568.3	0.11	0.014
Pumps	1990	1990Pumps750	750	1.222	11.736	7.034	0.614	0.614	0.658	568.299	0.11	0.014
Pumps	1990	1990Pumps9999	9999	1.22	11.736	7.034	0.612	0.612	0.658	568.299	0.11	0.014
Pumps	2000	2000Pumps15	15	1.723	9.08	4.875	0.747	0.747	0.079	568.299	0.155	0.014
Pumps	2000	2000Pumps25	25	2.095	6.405	4.783	0.569	0.569	0.065	568.299	0.189	0.014
Pumps	2000	2000Pumps50	50	3.123	6.608	6.715	0.718	0.718	0.066	568.299	0.281	0.014
Pumps	2000	2000Pumps120	120	1.575	9.604	4.223	0.711	0.711	0.06	568.3	0.142	0.014
Pumps	2000	2000Pumps175	175	1.055	8.734	3.435	0.419	0.419	0.057	568.299	0.095	0.014
Pumps	2000	2000Pumps250	250	0.874	8.397	2.707	0.339	0.339	0.057	568.299	0.078	0.014
Pumps	2000	2000Pumps500	500	0.82	8.188	3.956	0.311	0.311	0.05	568.299	0.074	0.014
Pumps	2000	2000Pumps750	750	0.82	8.188	3.956	0.311	0.311	0.051	568.299	0.074	0.014
Pumps	2000	2000Pumps9999	9999	0.936	8.775	4.533	0.351	0.351	0.051	568.299	0.084	0.014
Pumps	2005	2005Pumps15	15	1.394	7.817	4.38	0.621	0.621	0.079	568.299	0.125	0.014
Pumps	2005	2005Pumps25	25	1.622	6.014	3.922	0.483	0.483	0.065	568.299	0.146	0.014
Pumps	2005	2005Pumps50	50	2.76	6.155	6.203	0.664	0.664	0.066	568.299	0.249	0.014

Pumps	2005	2005Pumps120	120	1.348	8.1	3.91	0.657	0.657	0.06	568.3	0.121	0.014
Pumps	2005	2005Pumps175	175	0.878	7.408	3.114	0.363	0.363	0.057	568.299	0.079	0.014
Pumps	2005	2005Pumps250	250	0.623	6.99	1.836	0.239	0.239	0.057	568.299	0.056	0.014
Pumps	2005	2005Pumps500	500	0.56	6.535	2.32	0.219	0.219	0.05	568.299	0.05	0.014
Pumps	2005	2005Pumps750	750	0.575	6.679	2.32	0.221	0.221	0.051	568.299	0.051	0.014
Pumps	2005	2005Pumps9999	9999	0.728	7.658	2.838	0.258	0.258	0.051	568.299	0.065	0.014
Pumps	2010	2010Pumps15	15	1.124	6.554	4.027	0.473	0.473	0.008	568.299	0.101	0.014
Pumps	2010	2010Pumps25	25	1.267	5.477	3.309	0.384	0.384	0.007	568.299	0.114	0.014
Pumps	2010	2010Pumps50	50	2.188	5.74	5.634	0.545	0.545	0.007	568.3	0.197	0.014
Pumps	2010	2010Pumps120	120	1.039	6.675	3.735	0.538	0.538	0.006	568.299	0.093	0.014
Pumps	2010	2010Pumps175	175	0.685	5.961	3.033	0.298	0.298	0.006	568.299	0.061	0.014
Pumps	2010	2010Pumps250	250	0.444	5.586	1.359	0.17	0.17	0.006	568.299	0.04	0.014
Pumps	2010	2010Pumps500	500	0.398	5.074	1.536	0.158	0.158	0.005	568.299	0.035	0.014
Pumps	2010	2010Pumps750	750	0.41	5.207	1.536	0.161	0.161	0.005	568.299	0.037	0.014
Pumps	2010	2010Pumps9999	9999	0.55	6.617	1.991	0.196	0.196	0.005	568.299	0.049	0.014
Pumps	2011	2011Pumps15	15	1.067	6.283	3.952	0.441	0.441	0.008	568.299	0.096	0.014
Pumps	2011	2011Pumps25	25	1.192	5.36	3.179	0.361	0.361	0.007	568.299	0.107	0.014
Pumps	2011	2011Pumps50	50	2.038	5.645	5.474	0.518	0.518	0.007	568.299	0.183	0.014
Pumps	2011	2011Pumps120	120	0.969	6.322	3.698	0.514	0.514	0.006	568.299	0.087	0.014
Pumps	2011	2011Pumps175	175	0.642	5.63	3.02	0.286	0.286	0.006	568.299	0.058	0.014
Pumps	2011	2011Pumps250	250	0.407	5.206	1.272	0.153	0.153	0.006	568.299	0.036	0.014
Pumps	2011	2011Pumps500	500	0.365	4.71	1.405	0.143	0.143	0.005	568.299	0.032	0.014
Pumps	2011	2011Pumps750	750	0.376	4.841	1.405	0.145	0.145	0.005	568.299	0.033	0.014
Pumps	2011	2011Pumps9999	9999	0.512	6.273	1.835	0.183	0.183	0.005	568.299	0.046	0.014
Pumps	2012	2012Pumps15	15	1.007	5.999	3.874	0.407	0.407	0.008	568.299	0.09	0.014
Pumps	2012	2012Pumps25	25	1.113	5.239	3.043	0.337	0.337	0.007	568.299	0.1	0.014
Pumps	2012	2012Pumps50	50	1.875	5.545	5.296	0.488	0.488	0.007	568.299	0.169	0.014
Pumps	2012	2012Pumps120	120	0.896	5.939	3.66	0.481	0.481	0.006	568.299	0.08	0.014
Pumps	2012	2012Pumps175	175	0.597	5.28	3.009	0.265	0.265	0.006	568.299	0.053	0.014
Pumps	2012	2012Pumps250	250	0.377	4.846	1.218	0.139	0.139	0.006	568.299	0.034	0.014
Pumps	2012	2012Pumps500	500	0.338	4.367	1.311	0.13	0.13	0.005	568.299	0.03	0.014
Pumps	2012	2012Pumps750	750	0.349	4.495	1.311	0.132	0.132	0.005	568.299	0.031	0.014
Pumps	2012	2012Pumps9999	9999	0.473	5.916	1.682	0.168	0.168	0.005	568.299	0.042	0.014
Pumps	2013	2013Pumps15	15	0.948	5.716	3.796	0.373	0.373	0.008	568.299	0.085	0.014
Pumps	2013	2013Pumps25	25	1.034	5.117	2.907	0.314	0.314	0.007	568.3	0.093	0.014
Pumps	2013	2013Pumps50	50	1.706	5.323	5.11	0.448	0.448	0.007	568.299	0.153	0.014
Pumps	2013	2013Pumps120	120	0.823	5.563	3.623	0.443	0.443	0.006	568.299	0.074	0.014
Pumps	2013	2013Pumps175	175	0.552	4.949	2.998	0.244	0.244	0.006	568.299	0.049	0.014
Pumps	2013	2013Pumps250	250	0.352	4.498	1.181	0.127	0.127	0.006	568.3	0.031	0.014
Pumps	2013	2013Pumps500	500	0.316	4.037	1.241	0.119	0.119	0.005	568.299	0.028	0.014
Pumps	2013	2013Pumps750	750	0.326	4.163	1.241	0.121	0.121	0.005	568.299	0.029	0.014
Pumps	2013	2013Pumps9999	9999	0.435	5.558	1.538	0.154	0.154	0.005	568.299	0.039	0.014
Pumps	2014	2014Pumps15	15	0.891	5.445	3.723	0.341	0.341	0.008	568.299	0.08	0.014
Pumps	2014	2014Pumps25	25	0.96	5	2.78	0.291	0.291	0.007	568.299	0.086	0.014
Pumps	2014	2014Pumps50	50	1.538	5.107	4.929	0.409	0.409	0.007	568.299	0.138	0.014
Pumps	2014	2014Pumps120	120	0.751	5.226	3.587	0.403	0.403	0.006	568.299	0.067	0.014
Pumps	2014	2014Pumps175	175	0.508	4.635	2.989	0.222	0.222	0.006	568.299	0.045	0.014
Pumps	2014	2014Pumps250	250	0.326	4.09	1.149	0.115	0.115	0.006	568.299	0.029	0.014
Pumps	2014	2014Pumps500	500	0.294	3.648	1.181	0.108	0.108	0.005	568.299	0.026	0.014
Pumps	2014	2014Pumps750	750	0.303	3.77	1.181	0.11	0.11	0.005	568.299	0.027	0.014
Pumps	2014	2014Pumps9999	9999	0.399	5.21	1.406	0.141	0.141	0.005	568.299	0.036	0.014
Pumps	2015	2015Pumps15	15	0.84	5.196	3.658	0.311	0.311	0.008	568.299	0.075	0.014
Pumps	2015	2015Pumps25	25	0.894	4.89	2.666	0.27	0.27	0.007	568.299	0.08	0.014
Pumps	2015	2015Pumps50	50	1.384	4.916	4.775	0.371	0.371	0.007	568.3	0.124	0.014
Pumps	2015	2015Pumps120	120	0.679	4.842	3.554	0.364	0.364	0.006	568.3	0.061	0.014
Pumps	2015	2015Pumps175	175	0.461	4.202	2.983	0.2	0.2	0.006	568.299	0.041	0.014
Pumps	2015	2015Pumps250	250	0.302	3.693	1.122	0.104	0.104	0.006	568.299	0.027	0.014
Pumps	2015	2015Pumps500	500	0.273	3.272	1.134	0.097	0.097	0.005	568.299	0.024	0.014
Pumps	2015	2015Pumps750	750	0.281	3.389	1.134	0.099	0.099	0.005	568.299	0.025	0.014
Pumps	2015	2015Pumps9999	9999	0.363	4.878	1.293	0.127	0.127	0.005	568.299	0.032	0.014
Pumps	2016	2016Pumps15	15	0.809	5.023	3.622	0.289	0.289	0.008	568.299	0.073	0.014
Pumps	2016	2016Pumps25	25	0.855	4.803	2.604	0.255	0.255	0.007	568.299	0.077	0.014
Pumps	2016	2016Pumps50	50	1.24	4.742	4.64	0.335	0.335	0.007	568.299	0.111	0.014
Pumps	2016	2016Pumps120	120	0.61	4.478	3.523	0.325	0.325	0.006	568.299	0.055	0.014
Pumps	2016	2016Pumps175	175	0.417	3.789	2.978	0.179	0.179	0.006	568.299	0.037	0.014
Pumps	2016	2016Pumps250	250	0.28	3.313	1.099	0.094	0.094	0.006	568.299	0.025	0.014
Pumps	2016	2016Pumps500	500	0.254	2.919	1.093	0.088	0.088	0.005	568.299	0.022	0.014
Pumps	2016	2016Pumps750	750	0.262	3.028	1.093	0.089	0.089	0.005	568.299	0.023	0.014
Pumps	2016	2016Pumps9999	9999	0.335	4.596	1.223	0.116	0.116	0.005	568.3	0.03	0.014
Pumps	2017	2017Pumps15	15	0.786	4.887	3.599	0.272	0.272	0.008	568.299	0.07	0.014
Pumps	2017	2017Pumps25	25	0.83	4.729	2.564	0.243	0.243	0.007	568.299	0.074	0.014
Pumps	2017	2017Pumps50	50	1.104	4.578	4.514	0.301	0.301	0.007	568.299	0.099	0.014
Pumps	2017	2017Pumps120	120	0.546	4.134	3.495	0.287	0.287	0.006	568.299	0.049	0.014
Pumps	2017	2017Pumps175	175	0.376	3.4	2.975	0.159	0.159	0.006	568.299	0.033	0.014
Pumps	2017	2017Pumps250	250	0.26	2.958	1.08	0.084	0.084	0.006	568.299	0.023	0.014
Pumps	2017	2017Pumps500	500	0.239	2.613	1.062	0.079	0.079	0.005	568.299	0.021	0.014
Pumps	2017	2017Pumps750	750	0.244	2.695	1.062	0.08	0.08	0.005	568.299	0.022	0.014
Pumps	2017	2017Pumps9999	9999	0.313	4.343	1.177	0.106	0.106	0.005	568.299	0.028	0.014
Pumps	2018	2018Pumps15	15	0.766	4.762	3.58	0.256	0.256	0.008	568.299	0.069	0.014
Pumps	2018	2018Pumps25	25	0.807	4.661	2.531	0.232	0.232	0.007	568.299	0.072	0.014
Pumps	2018	2018Pumps50	50	0.973	4.422	4.397	0.267	0.267	0.007	568.299	0.087	0.014
Pumps	2018	2018Pumps120	120	0.485	3.808	3.471	0.252	0.252	0.006	568.299	0.043	0.014
Pumps	2018	2018Pumps175	175	0.338	3.035	2.974	0.14	0.14	0.006	568.299	0.03	0.014
Pumps	2018	2018Pumps250	250	0.242	2.624	1.065	0.075	0.075	0.006	568.299	0.021	0.014
Pumps	2018	2018Pumps500	500	0.226	2.34	1.041	0.071	0.071	0.005	568.299	0.02	0.014
Pumps	2018	2018Pumps750	750	0.23	2.401	1.041	0.072	0.072	0.005	568.299	0.02	0.014
Pumps	2018	2018Pumps9999	9999	0.293	4.105	1.144	0.098	0.098	0.005	568.299	0.026	0.014
Pumps	2019	2019Pumps15	15	0.748	4.647	3.562	0.241	0.241	0.008	568.3	0.067	0.014
Pumps	2019	2019Pumps25	25	0.787	4.596	2.501	0.222	0.222	0.007	568.3	0.071	0.014
Pumps	2019	2019Pumps50	50	0.849	4.269	4.284	0.235	0.235	0.007	568.299	0.076	0.014
Pumps	2019	2019Pumps120	120	0.429	3.497	3.449	0.217	0.217	0.006	568.299	0.038	0.014
Pumps	2019	2019Pumps175	175	0.309	2.711	2.974	0.124	0.124	0.006	568.299	0.027	0.014
Pumps	2019	2019Pumps250	250	0.226	2.323	1.052	0.067	0.067	0.006	568.299	0.02	0.014
Pumps	2019	2019Pumps500	500	0.214	2.084	1.027	0.064	0.064	0.005	568.3	0.019	0.014
Pumps	2019	2019Pumps750	750	0.217	2.133	1.027	0.065	0.065	0.005	568.299	0.019	0.014
Pumps	2019	2019Pumps9999	9999	0.273	3.873	1.118	0.089	0.089	0.005	568.299	0.024	0.014
Pumps	2020	2020Pumps15	15	0.731	4.542	3.546	0.227	0.227	0.008	568.299	0.066	0.014
Pumps	2020	2020Pumps25	25	0.769	4.538	2.473	0.212	0.212	0.007	568.299	0.069	0.014
Pumps	2020	2020Pumps50	50	0.755	4.128	4.197	0.206	0.206	0.007	568.299	0.068	0.014
Pumps	2020	2020Pumps120	120	0.386	3.219	3.432	0.189	0.189	0.006	568.299	0.034	0.014
Pumps	2020	2020Pumps175	175	0.285	2.418	2.974	0.111	0.111	0.006	568.299	0.025	0.014
Pumps	2020	2020Pumps250	250	0.212	2.05	1.042	0.06	0.06	0.006	568.299	0.019	0.014
Pumps	2020	2020Pumps500	500	0.203	1.841	1.017	0.057	0.057	0.005	568.3	0.018	0.014
Pumps	2020	2020Pumps750	750	0.205	1.884	1.017	0.058	0.058	0.005	568.299	0.018	0.014
Pumps	2020	2020Pumps9999	9999	0.255	3.649	1.096	0.081	0.081	0.005	568.3	0.023	0.014
Pumps	2021	2021Pumps15	15	0.717	4.462	3.531	0.214	0.214	0.008	568.299	0.064	0.014
Pumps	2021	2021Pumps25	25	0.752	4.497	2.446	0.201	0.201	0.007	568.299	0.067	0.014
Pumps	2021	2021Pumps50	50	0.671	3.966	4.099	0.175	0.175	0.007	568.299	0.06	0.014
Pumps	2021	2021Pumps120	120	0.347	2.928	3.412	0.162	0.162	0.006	568.3	0.031	0.014
Pumps	2021	2021Pumps175	175	0.26	2.101	2.968	0.096	0.096	0.006	568.299	0.023	0.014
Pumps	2021	2021Pumps250	250	0.197	1.759	1.031	0.052	0.052	0.006	568.299	0.017	0.014
Pumps	2021	2021Pumps500	500	0.189	1.584	1.007	0.05	0.05	0.005	568.299	0.017	0.014
Pumps	2021	2021Pumps750	750	0.191	1.618	1.007	0.05	0.05	0.005	568.299	0.017	0.014
Pumps	2021	2021Pumps9999	9999	0.233	3.409	1.074	0.072	0.072	0.005	568.3	0.021	0.014
Pumps	2022	2022Pumps15	15	0.707	4.408	3.519	0.203	0.203	0.008	568.299	0.063	0.014
Pumps	2022	2022Pumps25	25	0.739	4.47	2.426	0.193	0.193	0.007	568.299	0.066	0.014
Pumps	2022	2022Pumps50	50	0.614	3.846	4.048	0.152	0.152	0.007	568.299	0.055	0.014
Pumps	2022	2022Pumps120	120	0.321	2.708	3.404	0.142	0.142	0.006	568.299	0.029	0.014
Pumps	2022	2022Pumps175	175	0.242	1.86	2.969	0.085	0.085	0.006	568.299	0.021	0.014
Pumps	2022	2022Pumps250	250	0.186	1.534	1.025	0.045	0.045	0.006	568.299	0.016	0.014
Pumps	2022	2022Pumps500	500	0.18	1.404	1.001	0.044	0.044	0.005	568.3	0.016	0.014
Pumps	2022	2022Pumps750	750	0.181	1.432	1.001	0.044	0.044	0.005	568.3	0.016	0.014
Pumps	2022	2022Pumps9999	9999	0.219	3.236	1.058	0.065	0.065	0.005	568.299	0.019	0.014
Pumps	2023	2023Pumps15	15	0.698	4.359	3.508	0.194	0.194	0.008	568.299	0.063	0.014
Pumps	2023	2023Pumps25	25	0.728	4.447	2.407	0.186	0.186	0.007	568.299	0.065	0.014
Pumps	2023	2023Pumps50	50	0.565	3.734	4.007	0.131	0.131	0.007	568.299	0.051	0.014
Pumps	2023	2023Pumps120	120	0.299	2.511	3.398	0.123	0.123	0.006	568.299	0.026	0.014
Pumps	2023	2023Pumps175	175	0.227	1.662	2.971	0.075	0.075	0.006	568.299	0.02	0.014
Pumps	2023	2023Pumps250	250	0.177	1.351	1.021	0.04	0.04	0.006	568.299	0.015	0.014
Pumps	2023	2023Pumps500	500	0.171	1.246	0.998	0.038	0.038	0.005	568.3	0.015	0.014
Pumps	2023	2023Pumps750	750	0.173	1.271	0.998	0.039	0.039	0.005	568.299	0.015	0.014
Pumps	2023	2023Pumps9999	9999	0.207	3.09	1.043	0.059	0.059	0.005	568.299	0.018	0.014
Pumps	2024	2024Pumps15	15	0.69	4.316	3.499	0.188	0.188	0.008	568.299	0.062	0.014
Pumps	2024	2024Pumps25	25	0.718	4.426	2.39	0.181	0.181	0.007	568.299	0.064	0.014
Pumps	2024	2024Pumps50	50	0.523	3.63	3.974	0.114	0.114	0.007	568.299	0.047	0.014
Pumps	2024	2024Pumps120	120	0.279	2.352	3.393	0.107	0.107	0.006	568.299	0.025	0.014
Pumps	2024	2024Pumps175	175	0.213	1.486	2.973	0.065	0.065	0.006	568.299	0.019	0.014
Pumps	2024	2024Pumps250	250	0.168	1.189	1.018	0.034	0.034	0.006	568.3	0.015	0.014
Pumps	2024	2024Pumps500	500	0.164	1.098	0.994	0.033	0.033	0.005	568.299	0.014	0.014
Pumps	2024	2024Pumps750	750	0.164	1.12	0.994	0.034	0.034	0.005	568.299	0.014	0.014
Pumps	2024	2024Pumps9999	9999	0.196	2.96	1.031	0.054	0.054	0.005	568.299	0.017	0.014
Pumps	2025	2025Pumps15	15	0.683	4.278	3.491	0.183	0.183	0.008	568.299	0.061	0.014

Pumps	2025	2025Pumps25	25	0.709	4.407	2.376	0.177	0.177	0.007	568.299	0.064	0.014
Pumps	2025	2025Pumps50	50	0.485	3.528	3.943	0.099	0.099	0.007	568.299	0.043	0.014
Pumps	2025	2025Pumps120	120	0.261	2.213	3.389	0.092	0.092	0.006	568.299	0.023	0.014
Pumps	2025	2025Pumps175	175	0.199	1.318	2.974	0.056	0.056	0.006	568.3	0.018	0.014
Pumps	2025	2025Pumps250	250	0.159	1.038	1.016	0.029	0.029	0.006	568.299	0.014	0.014
Pumps	2025	2025Pumps500	500	0.156	0.958	0.992	0.028	0.028	0.005	568.3	0.014	0.014
Pumps	2025	2025Pumps750	750	0.157	0.977	0.992	0.029	0.029	0.005	568.3	0.014	0.014
Pumps	2025	2025Pumps9999	9999	0.186	2.84	1.02	0.049	0.049	0.005	568.299	0.016	0.014
Pumps	2030	2030Pumps15	15	0.663	4.164	3.47	0.166	0.166	0.008	568.299	0.059	0.014
Pumps	2030	2030Pumps25	25	0.687	4.347	2.34	0.165	0.165	0.007	568.3	0.061	0.014
Pumps	2030	2030Pumps50	50	0.348	3.146	3.814	0.04	0.04	0.007	568.299	0.031	0.014
Pumps	2030	2030Pumps120	120	0.193	1.662	3.367	0.036	0.036	0.006	568.299	0.017	0.014
Pumps	2030	2030Pumps175	175	0.142	0.61	2.973	0.024	0.024	0.006	568.299	0.012	0.014
Pumps	2030	2030Pumps250	250	0.13	0.511	1.013	0.016	0.016	0.006	568.299	0.011	0.014
Pumps	2030	2030Pumps500	500	0.129	0.482	0.989	0.016	0.016	0.005	568.299	0.011	0.014
Pumps	2030	2030Pumps750	750	0.129	0.488	0.989	0.016	0.016	0.005	568.299	0.011	0.014
Pumps	2030	2030Pumps9999	9999	0.139	2.504	0.99	0.03	0.03	0.005	568.299	0.012	0.014
Pumps	2035	2035Pumps15	15	0.661	4.143	3.469	0.162	0.162	0.008	568.299	0.059	0.014
Pumps	2035	2035Pumps25	25	0.685	4.332	2.34	0.162	0.162	0.007	568.299	0.061	0.014
Pumps	2035	2035Pumps50	50	0.306	3.028	3.778	0.019	0.019	0.007	568.299	0.027	0.014
Pumps	2035	2035Pumps120	120	0.17	1.47	3.36	0.017	0.017	0.006	568.299	0.015	0.014
Pumps	2035	2035Pumps175	175	0.123	0.377	2.973	0.014	0.014	0.006	568.299	0.011	0.014
Pumps	2035	2035Pumps250	250	0.119	0.335	1.012	0.011	0.011	0.006	568.299	0.01	0.014
Pumps	2035	2035Pumps500	500	0.119	0.331	0.989	0.011	0.011	0.005	568.299	0.01	0.014
Pumps	2035	2035Pumps750	750	0.119	0.331	0.989	0.011	0.011	0.005	568.299	0.01	0.014
Pumps	2035	2035Pumps9999	9999	0.124	2.38	0.989	0.023	0.023	0.005	568.299	0.011	0.014
Pumps	2040	2040Pumps15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Pumps	2040	2040Pumps25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Pumps	2040	2040Pumps50	50	0.303	2.976	3.77	0.013	0.013	0.007	568.299	0.027	0.014
Pumps	2040	2040Pumps120	120	0.165	1.41	3.358	0.012	0.012	0.006	568.299	0.014	0.014
Pumps	2040	2040Pumps175	175	0.116	0.295	2.971	0.01	0.01	0.006	568.299	0.01	0.014
Pumps	2040	2040Pumps250	250	0.114	0.279	1.012	0.009	0.009	0.006	568.299	0.01	0.014
Pumps	2040	2040Pumps500	500	0.114	0.279	0.989	0.009	0.009	0.005	568.299	0.01	0.014
Pumps	2040	2040Pumps750	750	0.114	0.279	0.989	0.009	0.009	0.005	568.299	0.01	0.014
Pumps	2040	2040Pumps9999	9999	0.116	2.347	0.989	0.02	0.02	0.005	568.299	0.01	0.014
Rollers	1990	1990Rollers15	15	1.804	9.999	4.999	0.975	0.975	1.049	568.299	0.162	0.014
Rollers	1990	1990Rollers25	25	2.213	6.919	4.999	0.741	0.741	0.855	568.299	0.199	0.014
Rollers	1990	1990Rollers50	50	4.738	7.927	9.598	1.256	1.256	0.871	568.299	0.427	0.014
Rollers	1990	1990Rollers120	120	2.372	15.111	5.756	1.332	1.332	0.791	568.3	0.214	0.014
Rollers	1990	1990Rollers175	175	1.889	14.858	5.165	1.046	1.046	0.758	568.299	0.17	0.014
Rollers	1990	1990Rollers250	250	1.889	14.858	5.165	1.046	1.046	0.758	568.299	0.17	0.014
Rollers	1990	1990Rollers500	500	1.669	14.103	11.266	0.896	0.896	0.662	568.299	0.15	0.014
Rollers	2000	2000Rollers15	15	1.475	8.242	4.49	0.676	0.676	0.079	568.3	0.133	0.014
Rollers	2000	2000Rollers25	25	1.958	6.358	4.53	0.563	0.563	0.065	568.299	0.176	0.014
Rollers	2000	2000Rollers50	50	4.027	6.941	8.379	0.861	0.861	0.066	568.299	0.363	0.014
Rollers	2000	2000Rollers120	120	1.793	10.425	4.585	0.844	0.844	0.06	568.299	0.161	0.014
Rollers	2000	2000Rollers175	175	1.21	9.501	3.749	0.503	0.503	0.057	568.299	0.109	0.014
Rollers	2000	2000Rollers250	250	1.047	9.211	3.108	0.427	0.427	0.057	568.299	0.094	0.014
Rollers	2000	2000Rollers500	500	0.956	8.821	5.254	0.379	0.379	0.05	568.299	0.086	0.014
Rollers	2005	2005Rollers15	15	0.766	5.228	3.469	0.361	0.361	0.079	568.299	0.069	0.014
Rollers	2005	2005Rollers25	25	0.919	5.412	2.642	0.347	0.347	0.065	568.299	0.082	0.014
Rollers	2005	2005Rollers50	50	3.647	6.51	7.864	0.808	0.808	0.066	568.299	0.329	0.014
Rollers	2005	2005Rollers120	120	1.563	8.963	4.289	0.79	0.79	0.06	568.299	0.141	0.014
Rollers	2005	2005Rollers175	175	1.023	8.18	3.44	0.441	0.441	0.057	568.299	0.092	0.014
Rollers	2005	2005Rollers250	250	0.788	7.822	2.262	0.319	0.319	0.057	568.299	0.071	0.014
Rollers	2005	2005Rollers500	500	0.697	7.196	3.183	0.282	0.282	0.05	568.299	0.062	0.014
Rollers	2010	2010Rollers15	15	1.376	5.58863	5.19619	0.5160	0.4750	0.0050	584.6125	0.1700	0.015
Rollers	2010	2010Rollers25	25	1.376	5.58863	5.19619	0.5160	0.4750	0.0050	584.6125	0.1700	0.015
Rollers	2010	2010Rollers50	50	1.376	5.58863	5.19619	0.5160	0.4750	0.0050	584.6125	0.1700	0.015
Rollers	2010	2010Rollers120	120	0.8270	7.50147	3.91429	0.5600	0.5160	0.0050	527.6279	0.1540	0.013
Rollers	2010	2010Rollers175	175	0.43	5.60543	3.00505	0.2640	0.2430	0.0050	524.1952	0.1530	0.013
Rollers	2010	2010Rollers250	250	0.5180	7.34127	2.19572	0.2680	0.2470	0.0050	526.2539	0.1530	0.013
Rollers	2010	2010Rollers500	500	0.5740	7.52047	4.92169	0.313	0.2880	0.005	533.878	0.1550	0.014
Rollers	2011	2011Rollers15	15	1.3440	5.5647	5.18315	0.5080	0.467	0.0050	583.1085	0.1700	0.015
Rollers	2011	2011Rollers25	25	1.3440	5.5647	5.18315	0.5080	0.467	0.0050	583.1085	0.1700	0.015
Rollers	2011	2011Rollers50	50	1.3440	5.5647	5.18315	0.5080	0.467	0.0050	583.1085	0.1700	0.015
Rollers	2011	2011Rollers120	120	0.7770	7.13388	3.86451	0.5330	0.4910	0.0050	525.9391	0.1530	0.013
Rollers	2011	2011Rollers175	175	0.4190	5.44712	3.00845	0.2570	0.2370	0.0050	522.9396	0.1530	0.013
Rollers	2011	2011Rollers250	250	0.4670	6.69107	2.03431	0.2420	0.2220	0.0050	524.8924	0.1530	0.013
Rollers	2011	2011Rollers500	500	0.5020	6.64358	4.46947	0.2750	0.2530	0.0050	529.5965	0.1550	0.013
Rollers	2012	2012Rollers15	15	1.3650	5.568	5.26844	0.5110	0.4710	0.0050	581.6678	0.1700	0.015
Rollers	2012	2012Rollers25	25	1.3650	5.568	5.26844	0.5110	0.4710	0.0050	581.6678	0.1700	0.015
Rollers	2012	2012Rollers50	50	1.3650	5.568	5.26844	0.5110	0.4710	0.0050	581.6678	0.1700	0.015
Rollers	2012	2012Rollers120	120	0.7760	7.08604	3.87893	0.5340	0.491	0.0050	524.5269	0.1530	0.013
Rollers	2012	2012Rollers175	175	0.4180	5.38313	3.02294	0.2550	0.2350	0.0050	521.5511	0.1530	0.013
Rollers	2012	2012Rollers250	250	0.467	6.64215	2.02691	0.2410	0.2220	0.0050	523.5608	0.1530	0.013
Rollers	2012	2012Rollers500	500	0.508	6.66671	4.53336	0.2780	0.2560	0.0050	528.1357	0.1550	0.013
Rollers	2013	2013Rollers15	15	1.3430	5.50162	5.27142	0.5	0.46	0.0050	578.8662	0.1700	0.015
Rollers	2013	2013Rollers25	25	1.3430	5.50162	5.27142	0.5	0.46	0.0050	578.8662	0.1700	0.015
Rollers	2013	2013Rollers50	50	1.3430	5.50162	5.27142	0.5	0.46	0.0050	578.8662	0.1700	0.015
Rollers	2013	2013Rollers120	120	0.7340	6.74964	3.84356	0.5040	0.4640	0.0050	521.8163	0.1530	0.013
Rollers	2013	2013Rollers175	175	0.3940	5.11335	3.00794	0.2380	0.2190	0.0050	519.0689	0.1530	0.013
Rollers	2013	2013Rollers250	250	0.4160	5.94235	1.86858	0.2130	0.1960	0.0050	520.4083	0.153	0.013
Rollers	2013	2013Rollers500	500	0.3950	5.43748	3.53436	0.2130	0.1960	0.0050	524.7654	0.1540	0.013
Rollers	2014	2014Rollers15	15	1.308	5.39309	5.24275	0.4840	0.4450	0.0050	575.7953	0.1700	0.015
Rollers	2014	2014Rollers25	25	1.308	5.39309	5.24275	0.4840	0.4450	0.0050	575.7953	0.1700	0.015
Rollers	2014	2014Rollers50	50	1.308	5.39309	5.24275	0.4840	0.4450	0.0050	575.7953	0.1700	0.015
Rollers	2014	2014Rollers120	120	0.695	6.39036	3.80915	0.4760	0.4380	0.0050	518.7866	0.1530	0.013
Rollers	2014	2014Rollers175	175	0.3680	4.72375	2.99804	0.2190	0.2020	0.0050	516.591	0.1530	0.013
Rollers	2014	2014Rollers250	250	0.3810	5.40344	1.75988	0.1910	0.1760	0.0050	517.8111	0.153	0.013
Rollers	2014	2014Rollers500	500	0.3780	5.18322	3.3182	0.2020	0.1850	0.0050	522.0518	0.1540	0.013
Rollers	2015	2015Rollers15	15	1.3100	5.36547	5.29043	0.4810	0.4430	0.0050	569.9207	0.1700	0.015
Rollers	2015	2015Rollers25	25	1.3100	5.36547	5.29043	0.4810	0.4430	0.0050	569.9207	0.1700	0.015
Rollers	2015	2015Rollers50	50	1.3100	5.36547	5.29043	0.4810	0.4430	0.0050	569.9207	0.1700	0.015
Rollers	2015	2015Rollers120	120	0.6830	6.27158	3.80891	0.4670	0.43	0.0050	513.5052	0.1530	0.013
Rollers	2015	2015Rollers175	175	0.3640	4.63035	3.00605	0.2150	0.1980	0.0050	511.3935	0.1530	0.013
Rollers	2015	2015Rollers250	250	0.347	4.93191	1.65049	0.1710	0.1570	0.0050	512.8234	0.1530	0.013
Rollers	2015	2015Rollers500	500	0.3710	5.03147	3.24549	0.195	0.1790	0.0050	517.2848	0.1540	0.013
Rollers	2016	2016Rollers15	15	1.2590	5.2356	5.23066	0.4590	0.4230	0.0050	563.9722	0.1700	0.014
Rollers	2016	2016Rollers25	25	1.2590	5.2356	5.23066	0.4590	0.4230	0.0050	563.9722	0.1700	0.014
Rollers	2016	2016Rollers50	50	1.2590	5.2356	5.23066	0.4590	0.4230	0.0050	563.9722	0.1700	0.014
Rollers	2016	2016Rollers120	120	0.6280	5.80563	3.75537	0.4280	0.3930	0.0050	508.1987	0.1530	0.013
Rollers	2016	2016Rollers175	175	0.3380	4.23872	2.99334	0.197	0.1810	0.0050	505.9041	0.1530	0.013
Rollers	2016	2016Rollers250	250	0.308	4.39492	1.50673	0.15	0.138	0.0050	507.6939	0.1530	0.013
Rollers	2016	2016Rollers500	500	0.334	4.45617	2.95647	0.1730	0.1590	0.0050	513.4154	0.1550	0.013
Rollers	2017	2017Rollers15	15	1.1980	5.09771	5.14727	0.4360	0.4010	0.0050	555.0199	0.1700	0.014
Rollers	2017	2017Rollers25	25	1.1980	5.09771	5.14727	0.4360	0.4010	0.0050	555.0199	0.1700	0.014
Rollers	2017	2017Rollers50	50	1.1980	5.09771	5.14727	0.4360	0.4010	0.0050	555.0199	0.1700	0.014
Rollers	2017	2017Rollers120	120	0.5800	5.4114	3.71315	0.3920	0.3610	0.0050	500.1525	0.1530	0.013
Rollers	2017	2017Rollers175	175	0.3140	3.87384	2.98069	0.1800	0.1660	0.0050	497.9088	0.1530	0.013
Rollers	2017	2017Rollers250	250	0.2740	3.92097	1.40849	0.1290	0.1190	0.0050	499.7021	0.1530	0.013
Rollers	2017	2017Rollers500	500	0.2970	3.84047	2.68487	0.1500	0.1380	0.0050	505.8318	0.155	0.013
Rollers	2018	2018Rollers15	15	1.0640	4.8416	4.92335	0.3870	0.3560	0.0050	546.2905	0.1700	0.014
Rollers	2018	2018Rollers25	25	1.0640	4.8416	4.92335	0.3870	0.3560	0.0050	546.2905	0.1700	0.014
Rollers	2018	2018Rollers50	50	1.0640	4.8416	4.92335	0.3870	0.3560	0.0050	546.2905	0.1700	0.014
Rollers	2018	2018Rollers120	120	0.481	4.65049	3.60981	0.32	0.2940	0.0050	492.2118	0.1530	0.013
Rollers	2018	2018Rollers175	175	0.2650	3.18126	2.94895	0.1470	0.1350	0.0050	490.1805	0.1530	0.012
Rollers	2018	2018Rollers250	250	0.2110	2.99492	1.24341	0.0940	0.0860	0.0050	491.6643	0.1530	0.013
Rollers	2018	2018Rollers500	500	0.2450	3.09814	2.23145	0.1190	0.1100	0.005	497.9962	0.155	0.013
Rollers	2019	2019Rollers15	15	0.9720	4.64491	4.77841	0.3490	0.3210	0.0050	537.546	0.1700	0.014
Rollers	2019	2019Rollers25	25	0.9720	4.64491	4.77841	0.3490	0.3210	0.0050	537.546	0.1700	0.014
Rollers	2019	2019Rollers50	50	0.9720	4.64491	4.77841	0.3490	0.3210	0.0050	537.546	0.1700	0.014
Rollers	2019	2019Rollers120	120	0.4230	4.17949	3.55726	0.2750	0.2530	0.0050	484.3362	0.1530	0.012
Rollers	2019	2019Rollers175	175	0.2310	2.69941	2.93251	0.1240	0.114	0.0050	482.4531	0.1530	0.012
Rollers	2019	2019Rollers250	250	0.2100	2.88327	1.24854	0.0920	0.0840	0.0050	483.7769	0.1530	0.012
Rollers	2019	2019Rollers500	500	0.2340	2.90839	2.10142	0.1110	0.102	0.005	489.9774	0.155	0.012
Rollers	2020	2020Rollers15	15	0.9260	4.53426	4.72504	0.3290	0.3030	0.0050	525.8798	0.1700	0.013
Rollers	2020	2020Rollers25	25	0.9260	4.53426	4.72504	0.3290	0.3030	0.0050	525.8798	0.1700	0.013
Rollers	2020	2020Rollers50	50	0.9260	4.53426	4.72504	0.3290	0.3030	0.0050	525.8798	0.1700	0.013
Rollers	2020	2020Rollers120	120	0.3880	3.88153	3.53135	0.2470	0.2280	0.0050	473.8594	0.1530	0.012
Rollers	2020	2020Rollers175	175	0.2150	2.45176	2.93333	0.1130	0.1040	0.0050	471.9177	0.1530	0.012
Rollers	2020	2020Rollers250	250	0.2090	2.75095	1.25343	0.0890	0.082	0.0050	473.3669	0.1530	0.012
Rollers	2020	2020Rollers500	500	0.235	2.82823	2.11346	0.1090	0.1010	0.005	479.3254	0.155	0.012
Rollers	2021	2021Rollers15	15	0.8470	4.35097	4.59681	0.2940	0.2700	0.0050	525.7908	0.1700	0.013
Rollers	2021	2021Rollers25	25	0.8470	4.35097	4.59681	0.2940	0.2700	0.0050	525.7908	0.1700	0.013
Rollers	2021	2021Rollers50	50	0.8470	4.35097	4.59681	0.2940	0.2700	0.0050	525.7908	0.1700	0.013
Rollers	2021	2021Rollers120	120	0.3530	3.5889	3.50719	0.2190	0.2020	0.0050	473.9012	0.1530	0.012
Rollers	2021	2021Rollers175	175	0.1930	2.11691	2.9256	0.0970	0.0900	0.0050	471.9799	0.1530	0.012
Rollers	2021	2021Rollers250	250	0.1960	2.49332	1.22849	0.081	0.0750	0.0050	473.4704	0.1530	0.012
Rollers	2021	2021Rollers500	500	0.2210	2.58936	1.94995	0.1000	0.0920	0.005	479.3294	0.155	0.012
Rollers	2022	2022Rollers15	15	0.7380	4.12773	4.40241	0.2500	0.2300	0.0050	525.691	0.17	0.013
Rollers	2022	2022Rollers25	25	0.7380	4.12773	4.40241	0.2500	0.2300	0.0050	525.691	0.17	0.013

Rollers	2022	2022Rollers50	50	0.7380	4.12773	4.40241	0.2500	0.2300	0.0050	525.691	0.17	0.013
Rollers	2022	2022Rollers120	120	0.3100	3.21896	3.46973	0.1860	0.1710	0.0050	473.9291	0.1530	0.012
Rollers	2022	2022Rollers175	175	0.1640	1.71408	2.91331	0.0790	0.0720	0.0050	471.9475	0.1530	0.012
Rollers	2022	2022Rollers250	250	0.1870	2.2116	1.22821	0.0770	0.0710	0.0050	473.5135	0.1530	0.012
Rollers	2022	2022Rollers500	500	0.2180	2.46341	1.95495	0.0970	0.0890	0.0050	478.9817	0.1550	0.012
Rollers	2023	2023Rollers15	15	0.6610	3.9211	4.25236	0.2120	0.1950	0.0050	525.8616	0.1700	0.013
Rollers	2023	2023Rollers25	25	0.6610	3.9211	4.25236	0.2120	0.1950	0.0050	525.8616	0.1700	0.013
Rollers	2023	2023Rollers50	50	0.6610	3.9211	4.25236	0.2120	0.1950	0.0050	525.8616	0.1700	0.013
Rollers	2023	2023Rollers120	120	0.2870	3.00302	3.45461	0.1650	0.152	0.0050	473.9363	0.1530	0.012
Rollers	2023	2023Rollers175	175	0.1500	1.4833	2.90949	0.0680	0.0620	0.0050	471.9351	0.1530	0.012
Rollers	2023	2023Rollers250	250	0.1880	2.17272	1.23448	0.0760	0.0700	0.0050	473.5164	0.1530	0.012
Rollers	2023	2023Rollers500	500	0.2110	2.29003	1.95626	0.0930	0.0850	0.0050	478.3028	0.1550	0.012
Rollers	2024	2024Rollers15	15	0.6200	3.82449	4.20667	0.1920	0.1770	0.0050	525.9565	0.1700	0.013
Rollers	2024	2024Rollers25	25	0.6200	3.82449	4.20667	0.1920	0.1770	0.0050	525.9565	0.1700	0.013
Rollers	2024	2024Rollers50	50	0.6200	3.82449	4.20667	0.1920	0.1770	0.0050	525.9565	0.1700	0.013
Rollers	2024	2024Rollers120	120	0.2720	2.843	3.45055	0.1500	0.1380	0.0050	474.0072	0.1530	0.012
Rollers	2024	2024Rollers175	175	0.1410	1.32428	2.91426	0.0610	0.0560	0.0050	472.012	0.1530	0.012
Rollers	2024	2024Rollers250	250	0.1790	1.97675	1.21417	0.0700	0.064	0.0050	473.512	0.1530	0.012
Rollers	2024	2024Rollers500	500	0.2100	2.21612	1.96121	0.0900	0.0830	0.0050	477.9001	0.1550	0.012
Rollers	2025	2025Rollers15	15	0.5690	3.68893	4.12543	0.167	0.1540	0.0050	526.1406	0.1700	0.013
Rollers	2025	2025Rollers25	25	0.5690	3.68893	4.12543	0.167	0.1540	0.0050	526.1406	0.1700	0.013
Rollers	2025	2025Rollers50	50	0.5690	3.68893	4.12543	0.167	0.1540	0.0050	526.1406	0.1700	0.013
Rollers	2025	2025Rollers120	120	0.2550	2.69137	3.44432	0.1350	0.1250	0.0050	473.851	0.1530	0.012
Rollers	2025	2025Rollers175	175	0.1270	1.10088	2.90859	0.0490	0.0450	0.0050	471.9696	0.1530	0.012
Rollers	2025	2025Rollers250	250	0.1730	1.78252	1.21477	0.0660	0.0600	0.0050	473.6813	0.1530	0.012
Rollers	2025	2025Rollers500	500	0.2120	2.19998	1.96754	0.0900	0.0830	0.0050	477.5732	0.1540	0.012
Rollers	2030	2030Rollers15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Rollers	2030	2030Rollers25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Rollers	2030	2030Rollers50	50	0.587	3.48	4.784	0.073	0.073	0.007	568.299	0.053	0.014
Rollers	2030	2030Rollers120	120	0.299	1.95	3.639	0.066	0.066	0.006	568.299	0.027	0.014
Rollers	2030	2030Rollers175	175	0.223	0.907	3.203	0.042	0.042	0.006	568.299	0.02	0.014
Rollers	2030	2030Rollers250	250	0.195	0.745	1.099	0.024	0.024	0.006	568.299	0.017	0.014
Rollers	2030	2030Rollers500	500	0.193	0.697	1.056	0.023	0.023	0.005	568.299	0.017	0.014
Rollers	2035	2035Rollers15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Rollers	2035	2035Rollers25	25	0.685	4.332	2.34	0.161	0.161	0.007	568.3	0.061	0.014
Rollers	2035	2035Rollers50	50	0.507	3.28	4.711	0.038	0.038	0.007	568.299	0.045	0.014
Rollers	2035	2035Rollers120	120	0.258	1.65	3.629	0.035	0.035	0.006	568.299	0.023	0.014
Rollers	2035	2035Rollers175	175	0.184	0.523	3.204	0.023	0.023	0.006	568.299	0.016	0.014
Rollers	2035	2035Rollers250	250	0.173	0.465	1.091	0.016	0.016	0.006	568.299	0.015	0.014
Rollers	2035	2035Rollers500	500	0.172	0.442	1.048	0.016	0.016	0.005	568.3	0.015	0.014
Rollers	2040	2040Rollers15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Rollers	2040	2040Rollers25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Rollers	2040	2040Rollers50	50	0.469	3.207	4.682	0.024	0.024	0.007	568.299	0.042	0.014
Rollers	2040	2040Rollers120	120	0.24	1.525	3.625	0.021	0.021	0.006	568.299	0.021	0.014
Rollers	2040	2040Rollers175	175	0.168	0.373	3.205	0.015	0.015	0.006	568.299	0.015	0.014
Rollers	2040	2040Rollers250	250	0.165	0.348	1.092	0.012	0.012	0.006	568.299	0.014	0.014
Rollers	2040	2040Rollers500	500	0.165	0.341	1.048	0.012	0.012	0.005	568.299	0.014	0.014
Rough Terrain Forklifts	1990	1990Rough Terrain Forklifts50	50	5.191	8.098	10.416	1.348	1.348	0.871	568.299	0.468	0.014
Rough Terrain Forklifts	1990	1990Rough Terrain Forklifts120	120	2.52	15.753	6.008	1.432	1.432	0.791	568.299	0.227	0.014
Rough Terrain Forklifts	1990	1990Rough Terrain Forklifts175	175	2.092	15.888	5.422	1.178	1.178	0.758	568.299	0.188	0.014
Rough Terrain Forklifts	1990	1990Rough Terrain Forklifts250	250	2.092	15.888	5.422	1.178	1.178	0.758	568.299	0.188	0.014
Rough Terrain Forklifts	1990	1990Rough Terrain Forklifts500	500	1.834	14.986	12.637	0.998	0.998	0.662	568.299	0.165	0.014
Rough Terrain Forklifts	2000	2000Rough Terrain Forklifts50	50	4.378	7.041	9.045	0.919	0.919	0.066	568.3	0.395	0.014
Rough Terrain Forklifts	2000	2000Rough Terrain Forklifts120	120	1.802	10.225	4.574	0.881	0.881	0.06	568.299	0.162	0.014
Rough Terrain Forklifts	2000	2000Rough Terrain Forklifts175	175	1.215	9.36	3.676	0.511	0.511	0.057	568.3	0.109	0.014
Rough Terrain Forklifts	2000	2000Rough Terrain Forklifts250	250	1.02	9.021	2.927	0.418	0.418	0.057	568.299	0.092	0.014
Rough Terrain Forklifts	2000	2000Rough Terrain Forklifts500	500	0.929	8.59	4.415	0.37	0.37	0.05	568.299	0.083	0.014
Rough Terrain Forklifts	2005	2005Rough Terrain Forklifts50	50	3.839	6.528	8.285	0.844	0.844	0.066	568.299	0.346	0.014
Rough Terrain Forklifts	2005	2005Rough Terrain Forklifts120	120	1.555	8.677	4.289	0.82	0.82	0.06	568.299	0.14	0.014
Rough Terrain Forklifts	2005	2005Rough Terrain Forklifts175	175	1.016	7.941	3.403	0.447	0.447	0.057	568.3	0.091	0.014
Rough Terrain Forklifts	2005	2005Rough Terrain Forklifts250	250	0.728	7.52	1.995	0.289	0.289	0.057	568.299	0.065	0.014
Rough Terrain Forklifts	2005	2005Rough Terrain Forklifts500	500	0.643	6.82	2.406	0.258	0.258	0.05	568.299	0.058	0.014
Rough Terrain Forklifts	2010	2010Rough Terrain Forklifts50	50	1.2730	5.57504	4.9076	0.4950	0.4550	0.0050	583.8316	0.1700	0.015
Rough Terrain Forklifts	2010	2010Rough Terrain Forklifts120	120	0.5110	5.81073	3.47103	0.3860	0.3550	0.0050	525.5318	0.153	0.013
Rough Terrain Forklifts	2010	2010Rough Terrain Forklifts175	175	0.3160	4.78775	2.9137	0.2120	0.1950	0.0050	524.1127	0.1530	0.013
Rough Terrain Forklifts	2010	2010Rough Terrain Forklifts250	250	0.6380	7.87723	2.86785	0.3510	0.3230	0.0050	527.6921	0.1540	0.013
Rough Terrain Forklifts	2010	2010Rough Terrain Forklifts500	500	0.3250	5.79984	1.82955	0.1680	0.1550	0.0050	518.8116	0.151	0.013
Rough Terrain Forklifts	2011	2011Rough Terrain Forklifts50	50	1.2140	5.52279	4.83823	0.4800	0.4420	0.0050	582.3751	0.1700	0.015
Rough Terrain Forklifts	2011	2011Rough Terrain Forklifts120	120	0.4610	5.4371	3.4365	0.3520	0.3240	0.0050	524.0504	0.1530	0.013
Rough Terrain Forklifts	2011	2011Rough Terrain Forklifts175	175	0.2850	4.45534	2.87624	0.1930	0.1770	0.0050	522.735	0.1530	0.013
Rough Terrain Forklifts	2011	2011Rough Terrain Forklifts250	250	0.5770	7.1588	2.63351	0.317	0.2920	0.0050	525.8445	0.1530	0.013
Rough Terrain Forklifts	2011	2011Rough Terrain Forklifts500	500	0.3280	5.81691	1.84589	0.1700	0.1560	0.0050	517.5182	0.151	0.013
Rough Terrain Forklifts	2012	2012Rough Terrain Forklifts50	50	1.2110	5.49331	4.88018	0.4760	0.4380	0.0050	580.9231	0.1700	0.015
Rough Terrain Forklifts	2012	2012Rough Terrain Forklifts120	120	0.4460	5.29115	3.43501	0.3400	0.3120	0.0050	522.6299	0.1530	0.013
Rough Terrain Forklifts	2012	2012Rough Terrain Forklifts175	175	0.2830	4.38447	2.88643	0.1890	0.1740	0.0050	521.4414	0.1530	0.013
Rough Terrain Forklifts	2012	2012Rough Terrain Forklifts250	250	0.5820	7.11155	2.65596	0.3190	0.2930	0.0050	524.4406	0.1530	0.013
Rough Terrain Forklifts	2012	2012Rough Terrain Forklifts500	500	0.3320	5.83389	1.86253	0.1710	0.1570	0.0050	516.2249	0.151	0.013
Rough Terrain Forklifts	2013	2013Rough Terrain Forklifts50	50	1.1990	5.34043	4.88715	0.4540	0.4170	0.0050	578.2559	0.17	0.015
Rough Terrain Forklifts	2013	2013Rough Terrain Forklifts120	120	0.3950	4.92337	3.39906	0.2990	0.2750	0.0050	519.906	0.1530	0.013
Rough Terrain Forklifts	2013	2013Rough Terrain Forklifts175	175	0.2390	3.90677	2.86094	0.153	0.1410	0.0050	518.7027	0.1530	0.013
Rough Terrain Forklifts	2013	2013Rough Terrain Forklifts250	250	0.3520	4.79966	1.88921	0.1840	0.1690	0.0050	521.6392	0.1530	0.013
Rough Terrain Forklifts	2013	2013Rough Terrain Forklifts500	500	0.2810	4.62017	1.86541	0.1410	0.1290	0.0050	514.2815	0.1510	0.013
Rough Terrain Forklifts	2014	2014Rough Terrain Forklifts50	50	1.182	5.22634	4.88713	0.4360	0.401	0.0050	575.3526	0.17	0.015
Rough Terrain Forklifts	2014	2014Rough Terrain Forklifts120	120	0.3510	4.46728	3.36705	0.261	0.2400	0.0050	517.2602	0.1530	0.013
Rough Terrain Forklifts	2014	2014Rough Terrain Forklifts175	175	0.2210	3.59442	2.85182	0.1390	0.1280	0.0050	516.0907	0.1530	0.013
Rough Terrain Forklifts	2014	2014Rough Terrain Forklifts250	250	0.1860	2.98369	1.21218	0.0870	0.0800	0.0050	517.7663	0.153	0.013
Rough Terrain Forklifts	2014	2014Rough Terrain Forklifts500	500	0.1700	3.49973	0.95399	0.0760	0.0700	0.0050	511.6567	0.1510	0.013
Rough Terrain Forklifts	2015	2015Rough Terrain Forklifts50	50	1.1890	5.18984	4.93325	0.4310	0.3970	0.0050	569.4875	0.17	0.015
Rough Terrain Forklifts	2015	2015Rough Terrain Forklifts120	120	0.3380	4.28003	3.36619	0.2470	0.2280	0.0050	512.0859	0.1530	0.013
Rough Terrain Forklifts	2015	2015Rough Terrain Forklifts175	175	0.2170	3.42042	2.85917	0.1330	0.122	0.0050	510.8541	0.1530	0.013
Rough Terrain Forklifts	2015	2015Rough Terrain Forklifts250	250	0.1400	2.4626	1.01164	0.0580	0.0540	0.0050	512.1638	0.1530	0.013
Rough Terrain Forklifts	2015	2015Rough Terrain Forklifts500	500	0.174	3.52067	0.95822	0.0770	0.071	0.0050	506.4349	0.1510	0.013
Rough Terrain Forklifts	2016	2016Rough Terrain Forklifts50	50	1.1580	5.09924	4.91773	0.4150	0.3820	0.0050	563.3598	0.1700	0.014
Rough Terrain Forklifts	2016	2016Rough Terrain Forklifts120	120	0.3020	3.84005	3.34169	0.2130	0.1960	0.0050	507.0659	0.1530	0.013
Rough Terrain Forklifts	2016	2016Rough Terrain Forklifts175	175	0.2090	3.2087	2.865	0.1240	0.1140	0.0050	505.596	0.1530	0.013
Rough Terrain Forklifts	2016	2016Rough Terrain Forklifts250	250	0.1440	2.46843	1.0177	0.0590	0.054	0.0050	506.8956	0.1530	0.013
Rough Terrain Forklifts	2016	2016Rough Terrain Forklifts500	500	0.1780	3.54169	0.96236	0.0780	0.0720	0.0050	501.2134	0.1510	0.013
Rough Terrain Forklifts	2017	2017Rough Terrain Forklifts50	50	1.1080	4.90253	4.83344	0.3820	0.3520	0.0050	554.6234	0.1700	0.014
Rough Terrain Forklifts	2017	2017Rough Terrain Forklifts120	120	0.271	3.41759	3.31778	0.1820	0.1670	0.0050	499.1682	0.1530	0.013
Rough Terrain Forklifts	2017	2017Rough Terrain Forklifts175	175	0.1940	2.90167	2.86636	0.1120	0.1030	0.0050	497.7766	0.1530	0.013
Rough Terrain Forklifts	2017	2017Rough Terrain Forklifts250	250	0.1480	2.47389	1.02362	0.0590	0.0540	0.0050	499.0007	0.1530	0.013
Rough Terrain Forklifts	2017	2017Rough Terrain Forklifts500	500	0.182	3.56771	0.96636	0.0790	0.0730	0.0050	493.3362	0.1510	0.013
Rough Terrain Forklifts	2018	2018Rough Terrain Forklifts50	50	1.0700	4.73469	4.76839	0.3590	0.3300	0.0050	545.8693	0.1700	0.014
Rough Terrain Forklifts	2018	2018Rough Terrain Forklifts120	120	0.2220	2.84496	3.26976	0.136	0.1250	0.0050	491.2107	0.1530	0.013
Rough Terrain Forklifts	2018	2018Rough Terrain Forklifts175	175	0.1640	2.34168	2.84245	0.0880	0.0810	0.0050	489.9869	0.1530	0.012
Rough Terrain Forklifts	2018	2018Rough Terrain Forklifts250	250	0.1520	2.48748	1.02948	0.0600	0.055	0.0050	491.0997	0.1530	0.013
Rough Terrain Forklifts	2018	2018Rough Terrain Forklifts500	500	0.1450	2.70063	0.95802	0.0600	0.0550	0.0050	485.9543	0.1510	0.012
Rough Terrain Forklifts	2019	2019Rough Terrain Forklifts50	50	1.009	4.55745	4.67405	0.3280	0.3010	0.0050	537.3287	0.17	0.014
Rough Terrain Forklifts	2019	2019Rough Terrain Forklifts120	120	0.2020	2.6222	3.25848	0.1170	0.1070	0.0050	483.3105	0.1530	0.012
Rough Terrain Forklifts	2019	2019Rough Terrain Forklifts175	175	0.1490	2.05752	2.84092	0.0750	0.0690	0.0050	482.1188	0.1530	0.012
Rough Terrain Forklifts	2019	2019Rough Terrain Forklifts250	250	0.1090	1.63905	0.97423	0.0360	0.0330	0.0050	483.0882	0.1530	0.012
Rough Terrain Forklifts	2019	2019Rough Terrain Forklifts500	500	0.1160	1.96109	0.95034	0.0430	0.0390	0.0050	477.2539	0.151	0.012
Rough Terrain Forklifts	2020	2020Rough Terrain Forklifts50	50	0.9990	4.4946	4.68594	0.3160	0.2910	0.0050	525.6222	0.17	0.013
Rough Terrain Forklifts	2020	2020Rough Terrain Forklifts120	120	0.1890	2.45218	3.25575	0.1030	0.0940	0.0050	472.9842	0.153	0.012
Rough Terrain Forklifts	2020	2020Rough Terrain Forklifts175	175	0.1430	1.86888	2.84466	0.0680	0.0630	0.0050	471.7152	0.1530	0.012
Rough Terrain Forklifts	2020	2020Rough Terrain Forklifts250	250	0.1120	1.60906	0.97848	0.0370	0.0340	0.0050	472.5671	0.1530	0.012
Rough Terrain Forklifts	2020	2020Rough Terrain Forklifts500	500	0.0890	1.30199	0.94184	0.0280	0.0260	0.0050	465.7709	0.1510	0.012
Rough Terrain Forklifts	2021	2021Rough Terrain Forklifts50	50	0.9680	4.41145	4.65658	0.3040	0.2790	0.0050	525.3844	0.1700	0.013
Rough Terrain Forklifts	2021	2021Rough Terrain Forklifts120	120	0.1750	2.28534	3.25191	0.0890	0.0810	0.0050	473.11	0.153	0.012
Rough Terrain Forklifts	2021	2021Rough Terrain Forklifts175	175	0.1300	1.61661	2.8447	0.0600	0.0550	0.0050	471.7575	0.1530	0.012
Rough Terrain Forklifts	2021	2021Rough Terrain Forklifts250	250	0.115	1.61186	0.98379	0.0370	0.0340	0.0050	472.5469	0.1530	0.012
Rough Terrain Forklifts	2021	2021Rough Terrain Forklifts500	500	0.0920	1.30199	0.94604	0.0280	0.026	0.0050	465.7442	0.1510	0.012
Rough Terrain Forklifts	2022	2022Rough Terrain Forklifts50	50	0.7890	4.04131	4.3038	0.2380	0.2190	0.0050	525.0151	0.1700	0.013
Rough Terrain Forklifts	2022	2022Rough Terrain Forklifts120	120	0.1590	2.0983	3.24374	0.0730	0.0670	0.0050	473.089	0.153	0.012
Rough Terrain Forklifts	2022	2022Rough Terrain Forklifts175	175	0.1200	1.40475	2.84439	0.0510	0.0470	0.0050	471.6773	0.1530	0.012
Rough Terrain Forklifts	2022	2022Rough Terrain Forklifts250	250	0.1180	1.61688	0.98924	0.0370	0.0340	0.0050	472.5408	0.1530	0.012
Rough Terrain Forklifts	2022	2022Rough Terrain Forklifts500	500	0.0680	0.55798	0.93709	0.0090	0.0080	0.0050	466.5598	0.1510	0.012
Rough Terrain Forklifts	2023	2023Rough Terrain Forklifts50	50	0.6900	3.85338	4.12519	0.2040	0.1870	0.0050	524.8024	0.1700	0.013
Rough Terrain Forklifts	2023	2023Rough Terrain Forklifts120	120	0.1500	1.9836	3.24217	0.0640	0.0590	0.0050	473.1584	0.153	0.012
Rough Terrain Forklifts	2023	2023Rough Terrain Forklifts175	175	0.1110	1.21796	2.84289	0.0430	0.04	0.0050	471.6217	0.1530	0.012
Rough Terrain Forklifts	2023	2023Rough Terrain Forklifts250	250	0.1160	1.47399	0.98987	0.0340	0.0320	0.0050	472.7784	0.1530	0.012
Rough Terrain Forklifts	2023	2023Rough Terrain Forklifts500	500	0.069	0.55845	0.93788	0.0090	0.0080	0.0050	466.554	0.1510	0.012
Rough Terrain Forklifts	2024	2024Rough Terrain Forklifts50	50	0.5700	3.65343	3.91822	0.1660	0.1520	0.0050	524.9235	0.1700	0.013
Rough Terrain Forklifts	2024	2024Rough Terrain Forklifts120	120	0.1450	1.91392	3.24468	0.0580	0.0540	0.0050	473.0631	0.153	0.012
Rough Terrain Forklifts	2024	2024Rough Terrain Forklifts175	175	0.1030	1.04413	2.83416	0.0390	0.0350	0.0050	471.5346	0.1530	0.012
Rough Terrain Forklifts	2024	2024Rough Terrain Forklifts250	250	0.1190	1.48012	0.99524	0.0350	0.0320	0.0050	472.8527	0.1530	0.012
Rough Terrain Forklifts	2024	2024Rough Terrain Forklifts500	500	0.0660	0.47582	0.93746	0.0090	0.0080	0.0050	466.5479	0.1510	0.012
Rough Terrain Forklifts	2025	2025Rough Terrain Forklifts50	50	0.4560	3.47668	3.74002	0.1280	0.1180	0.0050	525.027	0.1700	0.013
Rough Terrain Forklifts	2025	2025Rough Terrain Forklifts120	120	0.1370	1.82053	3.23971	0.0510	0.047	0.0050	473.0366	0.153	0.012
Rough Terrain Forklifts	2025	2025Rough Terrain Forklifts175	175	0.0870	0.78628	2.82091	0.0300	0.0280	0.0050	471.4745	0.1520	0.012
Rough Terrain Forklifts	2025	2025Rough Terrain Forklifts250	250	0.1220	1.48888	1.00073	0.0350	0.0330	0.0050	472.9267	0.153	0.012
Rough Terrain Forklifts	2025	2025Rough Terrain Forklifts500	500	0.0690	0.47663	0.94151	0.009	0.0080	0.0050	466.5414	0.1510	0.012

Rough Terrain Forklifts	2030	2030Rough Terrain Forklifts50	50	0.548	3.359	5.031	0.039	0.039	0.007	568.299	0.049	0.014
Rough Terrain Forklifts	2030	2030Rough Terrain Forklifts120	120	0.279	1.671	3.725	0.034	0.034	0.006	568.299	0.025	0.014
Rough Terrain Forklifts	2030	2030Rough Terrain Forklifts175	175	0.2	0.537	3.291	0.023	0.023	0.006	568.299	0.018	0.014
Rough Terrain Forklifts	2030	2030Rough Terrain Forklifts250	250	0.191	0.463	1.121	0.016	0.016	0.006	568.299	0.017	0.014
Rough Terrain Forklifts	2030	2030Rough Terrain Forklifts500	500	0.19	0.443	1.07	0.016	0.016	0.005	568.3	0.017	0.014
Rough Terrain Forklifts	2035	2035Rough Terrain Forklifts50	50	0.521	3.267	5.011	0.022	0.022	0.007	568.299	0.047	0.014
Rough Terrain Forklifts	2035	2035Rough Terrain Forklifts120	120	0.262	1.53	3.722	0.02	0.02	0.006	568.299	0.023	0.014
Rough Terrain Forklifts	2035	2035Rough Terrain Forklifts175	175	0.184	0.364	3.292	0.015	0.015	0.006	568.299	0.016	0.014
Rough Terrain Forklifts	2035	2035Rough Terrain Forklifts250	250	0.181	0.334	1.121	0.012	0.012	0.006	568.299	0.016	0.014
Rough Terrain Forklifts	2035	2035Rough Terrain Forklifts500	500	0.181	0.331	1.071	0.012	0.012	0.005	568.3	0.016	0.014
Rough Terrain Forklifts	2040	2040Rough Terrain Forklifts50	50	0.519	3.228	5.01	0.017	0.017	0.007	568.3	0.046	0.014
Rough Terrain Forklifts	2040	2040Rough Terrain Forklifts120	120	0.258	1.485	3.722	0.016	0.016	0.006	568.299	0.023	0.014
Rough Terrain Forklifts	2040	2040Rough Terrain Forklifts175	175	0.178	0.303	3.292	0.012	0.012	0.006	568.3	0.016	0.014
Rough Terrain Forklifts	2040	2040Rough Terrain Forklifts250	250	0.177	0.292	1.121	0.011	0.011	0.006	568.299	0.016	0.014
Rough Terrain Forklifts	2040	2040Rough Terrain Forklifts500	500	0.177	0.292	1.071	0.011	0.011	0.005	568.299	0.016	0.014
Rubber Tired Dozers	1990	1990Rubber Tired Dozers175	175	1.886	14.831	5.29	1.059	1.059	0.758	568.299	0.17	0.014
Rubber Tired Dozers	1990	1990Rubber Tired Dozers250	250	1.886	14.831	5.29	1.059	1.059	0.758	568.299	0.17	0.014
Rubber Tired Dozers	1990	1990Rubber Tired Dozers500	500	1.655	13.986	12.26	0.899	0.899	0.662	568.299	0.149	0.014
Rubber Tired Dozers	1990	1990Rubber Tired Dozers750	750	1.655	13.986	12.26	0.915	0.915	1.018	568.3	0.149	0.014
Rubber Tired Dozers	1990	1990Rubber Tired Dozers1000	1000	1.645	13.986	12.26	0.903	0.903	1.018	568.299	0.148	0.014
Rubber Tired Dozers	2000	2000Rubber Tired Dozers175	175	1.454	10.881	4.295	0.624	0.624	0.057	568.299	0.131	0.014
Rubber Tired Dozers	2000	2000Rubber Tired Dozers250	250	1.303	10.625	3.733	0.548	0.548	0.057	568.299	0.117	0.014
Rubber Tired Dozers	2000	2000Rubber Tired Dozers500	500	1.161	10.023	6.982	0.474	0.474	0.05	568.299	0.104	0.014
Rubber Tired Dozers	2000	2000Rubber Tired Dozers750	750	1.161	10.023	6.982	0.474	0.474	0.052	568.3	0.104	0.014
Rubber Tired Dozers	2000	2000Rubber Tired Dozers1000	1000	1.192	10.456	7.415	0.451	0.451	0.052	568.3	0.107	0.014
Rubber Tired Dozers	2005	2005Rubber Tired Dozers175	175	1.286	9.666	4.026	0.567	0.567	0.057	568.299	0.116	0.014
Rubber Tired Dozers	2005	2005Rubber Tired Dozers250	250	1.059	9.344	2.99	0.437	0.437	0.057	568.299	0.095	0.014
Rubber Tired Dozers	2005	2005Rubber Tired Dozers500	500	0.937	8.574	5.159	0.38	0.38	0.05	568.299	0.084	0.014
Rubber Tired Dozers	2005	2005Rubber Tired Dozers750	750	0.942	8.694	5.15	0.382	0.382	0.052	568.299	0.085	0.014
Rubber Tired Dozers	2005	2005Rubber Tired Dozers1000	1000	0.998	9.444	5.524	0.369	0.369	0.052	568.299	0.09	0.014
Rubber Tired Dozers	2010	2010Rubber Tired Dozers175	175	0.9430	9.78349	4.17063	0.555	0.5110	0.0050	526.3128	0.1530	0.013
Rubber Tired Dozers	2010	2010Rubber Tired Dozers250	250	0.7070	8.22344	2.68761	0.3940	0.3620	0.0050	527.9126	0.1540	0.013
Rubber Tired Dozers	2010	2010Rubber Tired Dozers500	500	0.7420	8.70703	6.7191	0.4060	0.3740	0.0050	533.1476	0.1550	0.014
Rubber Tired Dozers	2010	2010Rubber Tired Dozers750	750	0.521	7.42352	3.1214	0.2690	0.2480	0.0050	525.7054	0.153	0.013
Rubber Tired Dozers	2010	2010Rubber Tired Dozers1000	1000	0.814	8.149	4.027	0.29	0.29	0.005	568.299	0.073	0.014
Rubber Tired Dozers	2011	2011Rubber Tired Dozers175	175	0.9480	9.7992	4.18594	0.5570	0.5130	0.0050	524.9639	0.1530	0.013
Rubber Tired Dozers	2011	2011Rubber Tired Dozers250	250	0.7160	8.24976	2.69892	0.3960	0.3640	0.0050	526.5967	0.1540	0.013
Rubber Tired Dozers	2011	2011Rubber Tired Dozers500	500	0.7380	8.60406	6.65601	0.4020	0.3700	0.0050	532.0871	0.1550	0.014
Rubber Tired Dozers	2011	2011Rubber Tired Dozers750	750	0.5290	7.4622	3.13084	0.2720	0.2500	0.0050	524.3841	0.153	0.013
Rubber Tired Dozers	2011	2011Rubber Tired Dozers1000	1000	0.781	7.805	3.772	0.276	0.276	0.005	568.299	0.07	0.014
Rubber Tired Dozers	2012	2012Rubber Tired Dozers175	175	0.9530	9.81194	4.1998	0.5590	0.5150	0.0050	523.6318	0.1530	0.013
Rubber Tired Dozers	2012	2012Rubber Tired Dozers250	250	0.7250	8.27234	2.70943	0.398	0.3660	0.0050	525.281	0.1540	0.013
Rubber Tired Dozers	2012	2012Rubber Tired Dozers500	500	0.7420	8.58436	6.62489	0.4010	0.3690	0.0050	530.6589	0.1550	0.014
Rubber Tired Dozers	2012	2012Rubber Tired Dozers750	750	0.5340	7.48052	3.13648	0.2740	0.2520	0.0050	523.0626	0.153	0.013
Rubber Tired Dozers	2012	2012Rubber Tired Dozers1000	1000	0.75	7.474	3.531	0.262	0.262	0.005	568.299	0.067	0.014
Rubber Tired Dozers	2013	2013Rubber Tired Dozers175	175	0.9570	9.82334	4.21297	0.5610	0.5160	0.0050	520.9836	0.1530	0.013
Rubber Tired Dozers	2013	2013Rubber Tired Dozers250	250	0.7230	8.10695	2.71092	0.395	0.3630	0.0050	522.6456	0.1540	0.013
Rubber Tired Dozers	2013	2013Rubber Tired Dozers500	500	0.726	8.33658	6.42295	0.3900	0.3590	0.0050	527.9093	0.1550	0.013
Rubber Tired Dozers	2013	2013Rubber Tired Dozers750	750	0.5390	7.49129	3.14069	0.2750	0.2530	0.0050	520.4266	0.153	0.013
Rubber Tired Dozers	2013	2013Rubber Tired Dozers1000	1000	0.72	7.155	3.306	0.249	0.249	0.005	568.299	0.065	0.014
Rubber Tired Dozers	2014	2014Rubber Tired Dozers175	175	0.9610	9.83401	4.22564	0.5630	0.5180	0.0050	518.335	0.1530	0.013
Rubber Tired Dozers	2014	2014Rubber Tired Dozers250	250	0.7210	7.97218	2.71199	0.3920	0.3610	0.0050	520.0105	0.1540	0.013
Rubber Tired Dozers	2014	2014Rubber Tired Dozers500	500	0.7070	8.05819	6.16471	0.3760	0.3460	0.0050	524.6758	0.155	0.013
Rubber Tired Dozers	2014	2014Rubber Tired Dozers750	750	0.5130	7.14705	2.75605	0.2580	0.237	0.0050	517.7903	0.153	0.013
Rubber Tired Dozers	2014	2014Rubber Tired Dozers1000	1000	0.691	6.849	3.096	0.236	0.236	0.005	568.3	0.062	0.014
Rubber Tired Dozers	2015	2015Rubber Tired Dozers175	175	0.9650	9.84425	4.23794	0.5640	0.5190	0.0050	513.0549	0.1530	0.013
Rubber Tired Dozers	2015	2015Rubber Tired Dozers250	250	0.7280	7.9837	2.7204	0.3940	0.3620	0.0050	514.7359	0.1540	0.013
Rubber Tired Dozers	2015	2015Rubber Tired Dozers500	500	0.7080	7.99736	6.10151	0.3730	0.3430	0.0050	519.1472	0.155	0.013
Rubber Tired Dozers	2015	2015Rubber Tired Dozers750	750	0.5180	7.15777	2.76062	0.2590	0.238	0.0050	512.5253	0.153	0.013
Rubber Tired Dozers	2015	2015Rubber Tired Dozers1000	1000	0.661	6.556	2.901	0.222	0.222	0.005	568.299	0.059	0.014
Rubber Tired Dozers	2016	2016Rubber Tired Dozers175	175	0.968	9.85328	4.24901	0.5660	0.5200	0.0050	507.7744	0.1530	0.013
Rubber Tired Dozers	2016	2016Rubber Tired Dozers250	250	0.7360	7.99508	2.72943	0.3950	0.3640	0.0050	509.4615	0.1540	0.013
Rubber Tired Dozers	2016	2016Rubber Tired Dozers500	500	0.6880	7.71034	5.82829	0.3590	0.3300	0.0050	513.3109	0.1550	0.013
Rubber Tired Dozers	2016	2016Rubber Tired Dozers750	750	0.5230	7.16821	2.7651	0.2600	0.2390	0.0050	507.2601	0.153	0.013
Rubber Tired Dozers	2016	2016Rubber Tired Dozers1000	1000	0.631	6.277	2.723	0.208	0.208	0.005	568.3	0.057	0.014
Rubber Tired Dozers	2017	2017Rubber Tired Dozers175	175	0.9030	9.12915	4.14895	0.5250	0.4830	0.0050	499.4096	0.153	0.013
Rubber Tired Dozers	2017	2017Rubber Tired Dozers250	250	0.7070	7.67081	2.65514	0.3750	0.3450	0.0050	501.5475	0.1540	0.013
Rubber Tired Dozers	2017	2017Rubber Tired Dozers500	500	0.6620	7.33345	5.52569	0.3410	0.3130	0.0050	505.8493	0.155	0.013
Rubber Tired Dozers	2017	2017Rubber Tired Dozers750	750	0.5260	7.17226	2.76746	0.2600	0.2390	0.0050	499.3665	0.153	0.013
Rubber Tired Dozers	2017	2017Rubber Tired Dozers1000	1000	0.602	6.013	2.56	0.195	0.195	0.005	568.299	0.054	0.014
Rubber Tired Dozers	2018	2018Rubber Tired Dozers175	175	0.8020	8.02079	3.98965	0.4600	0.4240	0.0050	491.4921	0.153	0.013
Rubber Tired Dozers	2018	2018Rubber Tired Dozers250	250	0.6690	7.20787	2.51156	0.3500	0.3220	0.0050	493.6337	0.1540	0.013
Rubber Tired Dozers	2018	2018Rubber Tired Dozers500	500	0.5980	6.50184	4.98205	0.3000	0.2760	0.0050	498.1862	0.1550	0.013
Rubber Tired Dozers	2018	2018Rubber Tired Dozers750	750	0.5060	6.72652	2.75902	0.248	0.2280	0.0050	491.4726	0.153	0.013
Rubber Tired Dozers	2018	2018Rubber Tired Dozers1000	1000	0.574	5.764	2.413	0.183	0.183	0.005	568.299	0.051	0.014
Rubber Tired Dozers	2019	2019Rubber Tired Dozers175	175	0.7590	7.52037	3.94854	0.4330	0.398	0.0050	483.5585	0.153	0.012
Rubber Tired Dozers	2019	2019Rubber Tired Dozers250	250	0.6510	6.92923	2.45855	0.3380	0.3110	0.0050	485.172	0.1540	0.012
Rubber Tired Dozers	2019	2019Rubber Tired Dozers500	500	0.5720	6.14335	4.74309	0.2830	0.2600	0.0050	490.383	0.1550	0.012
Rubber Tired Dozers	2019	2019Rubber Tired Dozers750	750	0.4550	6.12249	2.59814	0.2180	0.2010	0.0050	483.5786	0.153	0.012
Rubber Tired Dozers	2019	2019Rubber Tired Dozers1000	1000	0.547	5.528	2.281	0.171	0.171	0.005	568.299	0.049	0.014
Rubber Tired Dozers	2020	2020Rubber Tired Dozers175	175	0.7260	7.18525	3.89288	0.4110	0.3780	0.0050	473.0116	0.153	0.012
Rubber Tired Dozers	2020	2020Rubber Tired Dozers250	250	0.6190	6.50332	2.37104	0.3180	0.293	0.0050	474.7928	0.1540	0.012
Rubber Tired Dozers	2020	2020Rubber Tired Dozers500	500	0.5350	5.64089	4.41134	0.2590	0.2380	0.0050	479.7569	0.1550	0.012
Rubber Tired Dozers	2020	2020Rubber Tired Dozers750	750	0.4560	6.12255	2.60108	0.2180	0.2010	0.0050	473.0562	0.153	0.012
Rubber Tired Dozers	2020	2020Rubber Tired Dozers1000	1000	0.522	5.306	2.164	0.16	0.16	0.005	568.299	0.047	0.014
Rubber Tired Dozers	2021	2021Rubber Tired Dozers175	175	0.6910	6.79037	3.84814	0.3860	0.3550	0.0050	472.9751	0.153	0.012
Rubber Tired Dozers	2021	2021Rubber Tired Dozers250	250	0.6000	6.29617	2.31719	0.3060	0.2810	0.0050	474.7984	0.1540	0.012
Rubber Tired Dozers	2021	2021Rubber Tired Dozers500	500	0.4920	5.081	4.04107	0.2320	0.2140	0.0050	478.9868	0.1550	0.012
Rubber Tired Dozers	2021	2021Rubber Tired Dozers750	750	0.4580	6.12254	2.60396	0.2180	0.2010	0.0050	473.0459	0.153	0.012
Rubber Tired Dozers	2021	2021Rubber Tired Dozers1000	1000	0.497	5.095	2.057	0.15	0.15	0.005	568.299	0.044	0.014
Rubber Tired Dozers	2022	2022Rubber Tired Dozers175	175	0.6000	5.80781	3.75194	0.3260	0.3000	0.0050	473.9122	0.1530	0.012
Rubber Tired Dozers	2022	2022Rubber Tired Dozers250	250	0.4800	5.04648	2.05563	0.2400	0.2200	0.0050	474.6166	0.1540	0.012
Rubber Tired Dozers	2022	2022Rubber Tired Dozers500	500	0.4750	4.80775	3.89489	0.2200	0.2020	0.0050	479.3107	0.155	0.012
Rubber Tired Dozers	2022	2022Rubber Tired Dozers750	750	0.46	6.12245	2.60677	0.2180	0.2010	0.0050	473.035	0.153	0.012
Rubber Tired Dozers	2022	2022Rubber Tired Dozers1000	1000	0.475	4.896	1.961	0.14	0.14	0.005	568.299	0.042	0.014
Rubber Tired Dozers	2023	2023Rubber Tired Dozers175	175	0.5880	5.65638	3.7664	0.3160	0.2910	0.0050	473.9009	0.1530	0.012
Rubber Tired Dozers	2023	2023Rubber Tired Dozers250	250	0.3930	4.09011	1.78266	0.1840	0.1690	0.0050	474.5967	0.1530	0.012
Rubber Tired Dozers	2023	2023Rubber Tired Dozers500	500	0.4470	4.40835	3.68617	0.2020	0.1850	0.0050	479.4678	0.1550	0.012
Rubber Tired Dozers	2023	2023Rubber Tired Dozers750	750	0.4230	5.33389	2.59131	0.196	0.1800	0.0050	473.0234	0.153	0.012
Rubber Tired Dozers	2023	2023Rubber Tired Dozers1000	1000	0.453	4.709	1.874	0.131	0.131	0.005	568.299	0.04	0.014
Rubber Tired Dozers	2024	2024Rubber Tired Dozers175	175	0.5320	5.0144	3.69636	0.2790	0.2570	0.0050	473.5147	0.1530	0.012
Rubber Tired Dozers	2024	2024Rubber Tired Dozers250	250	0.3990	4.0904	1.79685	0.1840	0.1700	0.0050	474.5854	0.1530	0.012
Rubber Tired Dozers	2024	2024Rubber Tired Dozers500	500	0.4170	4.03046	3.45746	0.1820	0.1680	0.0050	479.3938	0.155	0.012
Rubber Tired Dozers	2024	2024Rubber Tired Dozers750	750	0.4250	5.33372	2.59604	0.1960	0.1800	0.0050	473.0111	0.153	0.012
Rubber Tired Dozers	2024	2024Rubber Tired Dozers1000	1000	0.433	4.532	1.796	0.123	0.123	0.005	568.299	0.039	0.014
Rubber Tired Dozers	2025	2025Rubber Tired Dozers175	175	0.461	4.72886	3.61238	0.2300	0.212	0.0050	474.1029	0.1530	0.012
Rubber Tired Dozers	2025	2025Rubber Tired Dozers250	250	0.3720	3.80547	1.72032	0.1670	0.1530	0.0050	474.5734	0.1530	0.012
Rubber Tired Dozers	2025	2025Rubber Tired Dozers500	500	0.3670	3.36957	2.95895	0.1510	0.1390	0.0050	479.0915	0.1550	0.012
Rubber Tired Dozers	2025	2025Rubber Tired Dozers750	750	0.4280	5.33346	2.60066	0.1960	0.1800	0.0050	472.9981	0.153	0.012
Rubber Tired Dozers	2025	2025Rubber Tired Dozers1000	1000	0.414	4.365	1.725	0.115	0.115	0.005	568.299	0.037	0.014
Rubber Tired Dozers	2030	2030Rubber Tired Dozers175	175	0.398	2.034	3.496	0.111	0.111	0.006	568.299	0.035	0.014
Rubber Tired Dozers	2030	2030Rubber Tired Dozers250	250	0.335	1.828	1.322	0.069	0.069	0.006	568.299	0.03	0.014
Rubber Tired Dozers	2030	2030Rubber Tired Dozers500	500	0.322	1.658	1.401	0.064	0.064	0.005	568.299	0.029	0.014
Rubber Tired Dozers	2030	2030Rubber Tired Dozers750	750	0.323	1.694	1.401	0.064	0.064	0.005	568.299	0.029	0.014
Rubber Tired Dozers	2030	2030Rubber Tired Dozers1000	1000	0.338	3.676	1.465	0.082	0.082	0.005	568.299	0.03	0.014
Rubber Tired Dozers	2035	2035Rubber Tired Dozers175	175	0.322	1.345	3.481	0.071	0.071	0.006	568.299	0.029	0.014
Rubber Tired Dozers	2035	2035Rubber Tired Dozers250	250	0.286	1.203	1.262	0.046	0.046	0.006	568.299	0.025	0.014
Rubber Tired Dozers	2035	2035Rubber Tired Dozers500	500	0.279	1.107	1.279	0.043	0.043	0.005	568.3	0.025	0.014
Rubber Tired Dozers	2035	2035Rubber Tired Dozers750	750	0.279	1.126	1.279	0.043	0.043	0.005	568.299	0.025	0.014
Rubber Tired Dozers	2035	2035Rubber Tired Dozers1000	1000	0.287	3.204	1.312	0.06	0.06	0.005	568.299	0.025	0.014
Rubber Tired Dozers	2040	2040Rubber Tired Dozers175	175	0.275	0.903	3.47	0.045	0.045	0.006	568.299	0.024	0.014
Rubber Tired Dozers	2040	2040Rubber Tired Dozers250	250	0.253	0.81	1.225	0.031	0.031	0.006	568.299	0.022	0.014
Rubber Tired Dozers	2040	2040Rubber Tired Dozers500	500	0.249	0.758	1.198	0.029	0.029	0.005	568.299	0.022	0.014
Rubber Tired Dozers	2040	2040Rubber Tired Dozers750	750	0.25	0.767	1.198	0.029	0.029	0.005	568.3	0.022	0.014
Rubber Tired Dozers	2040	2040Rubber Tired Dozers1000	1000	0.254	2.91	1.218	0.045	0.045	0.005	568.3	0.023	0.014
Rubber Tired Loaders	1990	1990Rubber Tired Loaders25	25	2.213	6.919	4.999	0.741	0.741	0.855	568.299	0.199	0.014
Rubber Tired Loaders	1990	1990Rubber Tired Loaders50	50	4.848	7.964	9.805	1.279	1.279	0.871	568.299	0.437	0.014
Rubber Tired Loaders	1990	1990Rubber Tired Loaders120	120	2.368	14.978	5.728	1.345	1.345	0.791	568.299	0.213	0.014
Rubber Tired Loaders	1990	1990Rubber Tired Loaders175	175	1.791	14.294	5.094	0.995	0.995	0.758	568.299	0.161	0.014
Rubber Tired Loaders	1990	1990Rubber Tired Loaders250	250	1.791	14.294	5.094	0.995	0.995	0.758	568.3	0.161	0.014
Rubber Tired Loaders	1990	1990Rubber Tired Loaders500	500	1.583	13.545	11.282	0.851	0.851	0.662	568.3	0.142	0.014
Rubber Tired Loaders	1990	1990Rubber Tired Loaders750	750	1.583	13.545	11.282	0.867	0.867	1.018	568.299	0.142	0.014
Rubber Tired Loaders	1990	1990Rubber Tired Loaders1000	1000	1.575	13.545	11.282	0.858	0.858	1.018	568.299	0.142	0.014
Rubber Tired Loaders	2000	2000Rubber Tired Loaders25	25	1.908	6.326	4.438	0.555	0.555	0.065	568.299	0.172	0.014
Rubber Tired Loaders	2000	2000Rubber Tired Loaders50	50	4.439	7.065	9.15	0.928	0.928	0.066	568.299	0.4	0.014
Rubber Tired Loaders	2000	2000Rubber Tired Loaders120	120	1.842	10.433	4.652	0.896	0.896	0.06	568.299	0.166	0.014
Rubber Tired Loaders	2000	2000Rubber Tired Loaders175	175	1.246	9.552	3.765	0.526	0.526	0.057	568.299	0.112	0.014
Rubber Tired Loaders	2000	2000Rubber Tired Loaders250	250	1.052	9.216	3.019	0.433	0.433	0.057	568.299	0.094	0.014
Rubber Tired Loaders	2000	2000Rubber Tired Loaders500	500	0.955	8.766	4.797	0.381	0.381	0.05	568.299	0.086	0.014
Rubber Tired Loaders	2000	2000Rubber Tired Loaders750	750	0.955	8.766	4.797	0.381	0.381	0.052	568.299	0.086	0.014
Rubber Tired Loaders	2000	2000Rubber Tired Loaders1000	1000	1.018	9.342	5.369	0.372	0.372	0.052	568.299	0.091	0.014
Rubber Tired Loaders	2005	2005Rubber Tired Loaders25	25	0.849	5.321	2.519	0.333	0.333	0.065	568.299	0.076	0.014

Rubber Tired Loaders	2005	2005Rubber Tired Loaders50	50	3.947	6.59	8.471	0.86	0.86	0.066	568.299	0.356	0.014
Rubber Tired Loaders	2005	2005Rubber Tired Loaders120	120	1.608	8.954	4.379	0.841	0.841	0.06	568.3	0.145	0.014
Rubber Tired Loaders	2005	2005Rubber Tired Loaders175	175	1.052	8.183	3.496	0.464	0.464	0.057	568.299	0.094	0.014
Rubber Tired Loaders	2005	2005Rubber Tired Loaders250	250	0.774	7.781	2.143	0.31	0.31	0.057	568.3	0.069	0.014
Rubber Tired Loaders	2005	2005Rubber Tired Loaders500	500	0.683	7.066	2.836	0.275	0.275	0.05	568.3	0.061	0.014
Rubber Tired Loaders	2005	2005Rubber Tired Loaders750	750	0.695	7.236	2.831	0.278	0.278	0.052	568.299	0.062	0.014
Rubber Tired Loaders	2005	2005Rubber Tired Loaders1000	1000	0.791	8.232	3.279	0.275	0.275	0.052	568.299	0.071	0.014
Rubber Tired Loaders	2010	2010Rubber Tired Loaders25	25	2.359	6.29919	7.88269	0.7340	0.6750	0.0050	581.9969	0.1690	0.015
Rubber Tired Loaders	2010	2010Rubber Tired Loaders50	50	2.359	6.29919	7.88269	0.7340	0.6750	0.0050	581.9969	0.1690	0.015
Rubber Tired Loaders	2010	2010Rubber Tired Loaders120	120	0.9510	7.85298	4.28386	0.6800	0.6260	0.0050	519.5038	0.1510	0.013
Rubber Tired Loaders	2010	2010Rubber Tired Loaders175	175	0.6490	7.01127	3.56499	0.3870	0.3560	0.0050	523.9006	0.1520	0.013
Rubber Tired Loaders	2010	2010Rubber Tired Loaders250	250	0.4000	5.94632	1.50852	0.1990	0.1830	0.0050	522.3501	0.152	0.013
Rubber Tired Loaders	2010	2010Rubber Tired Loaders500	500	0.416	5.66307	2.61599	0.2110	0.1940	0.0050	521.885	0.1520	0.013
Rubber Tired Loaders	2010	2010Rubber Tired Loaders750	750	0.3820	5.06362	2.10254	0.197	0.1810	0.0050	507.2864	0.1480	0.013
Rubber Tired Loaders	2010	2010Rubber Tired Loaders1000	1000	0.3910	6.63966	1.45926	0.1870	0.1720	0.0050	523.2526	0.1520	0.013
Rubber Tired Loaders	2011	2011Rubber Tired Loaders25	25	2.2520	6.24779	7.77095	0.7110	0.6540	0.0050	581.4262	0.1700	0.015
Rubber Tired Loaders	2011	2011Rubber Tired Loaders50	50	2.2520	6.24779	7.77095	0.7110	0.6540	0.0050	581.4262	0.1700	0.015
Rubber Tired Loaders	2011	2011Rubber Tired Loaders120	120	0.9350	7.68957	4.28739	0.6710	0.6180	0.0050	517.9363	0.1510	0.013
Rubber Tired Loaders	2011	2011Rubber Tired Loaders175	175	0.6360	6.81375	3.57219	0.3780	0.3480	0.0050	522.5315	0.1520	0.013
Rubber Tired Loaders	2011	2011Rubber Tired Loaders250	250	0.4040	5.87694	1.50155	0.1970	0.1810	0.0050	520.9732	0.152	0.013
Rubber Tired Loaders	2011	2011Rubber Tired Loaders500	500	0.4210	5.5868	2.56846	0.2090	0.1920	0.0050	520.154	0.1520	0.013
Rubber Tired Loaders	2011	2011Rubber Tired Loaders750	750	0.3970	5.09397	2.12943	0.2000	0.1840	0.0050	505.881	0.1480	0.013
Rubber Tired Loaders	2011	2011Rubber Tired Loaders1000	1000	0.4000	6.69396	1.47057	0.191	0.1760	0.0050	521.9232	0.1520	0.013
Rubber Tired Loaders	2012	2012Rubber Tired Loaders25	25	2.2950	6.30427	7.96233	0.7240	0.6660	0.0050	579.9785	0.1700	0.015
Rubber Tired Loaders	2012	2012Rubber Tired Loaders50	50	2.2950	6.30427	7.96233	0.7240	0.6660	0.0050	579.9785	0.1700	0.015
Rubber Tired Loaders	2012	2012Rubber Tired Loaders120	120	0.9360	7.65616	4.31845	0.6710	0.6170	0.0050	516.6239	0.1510	0.013
Rubber Tired Loaders	2012	2012Rubber Tired Loaders175	175	0.6430	6.79567	3.60616	0.3800	0.3490	0.0050	521.0995	0.1520	0.013
Rubber Tired Loaders	2012	2012Rubber Tired Loaders250	250	0.4140	5.85805	1.51119	0.198	0.1820	0.0050	519.646	0.152	0.013
Rubber Tired Loaders	2012	2012Rubber Tired Loaders500	500	0.433	5.58714	2.59983	0.2110	0.194	0.0050	518.7236	0.1520	0.013
Rubber Tired Loaders	2012	2012Rubber Tired Loaders750	750	0.4080	5.07921	2.14848	0.2010	0.1850	0.0050	504.6824	0.1480	0.013
Rubber Tired Loaders	2012	2012Rubber Tired Loaders1000	1000	0.4090	6.73245	1.47877	0.1940	0.1780	0.0050	520.592	0.1520	0.013
Rubber Tired Loaders	2013	2013Rubber Tired Loaders25	25	2.1900	6.18494	7.83573	0.6950	0.6400	0.0050	577.0156	0.1700	0.015
Rubber Tired Loaders	2013	2013Rubber Tired Loaders50	50	2.1900	6.18494	7.83573	0.6950	0.6400	0.0050	577.0156	0.1700	0.015
Rubber Tired Loaders	2013	2013Rubber Tired Loaders120	120	0.9140	7.47698	4.31523	0.6540	0.6020	0.0050	513.9368	0.1510	0.013
Rubber Tired Loaders	2013	2013Rubber Tired Loaders175	175	0.6310	6.6063	3.60722	0.3690	0.3390	0.0050	518.3787	0.1520	0.013
Rubber Tired Loaders	2013	2013Rubber Tired Loaders250	250	0.4170	5.75293	1.5142	0.1960	0.1810	0.0050	516.9736	0.152	0.013
Rubber Tired Loaders	2013	2013Rubber Tired Loaders500	500	0.4350	5.4738	2.55447	0.2080	0.1910	0.0050	515.9429	0.1520	0.013
Rubber Tired Loaders	2013	2013Rubber Tired Loaders750	750	0.4120	4.99146	2.0823	0.1990	0.1830	0.0050	502.8589	0.1480	0.013
Rubber Tired Loaders	2013	2013Rubber Tired Loaders1000	1000	0.4070	6.66719	1.45163	0.193	0.1780	0.0050	517.9506	0.1520	0.013
Rubber Tired Loaders	2014	2014Rubber Tired Loaders25	25	2.1150	6.10324	7.7699	0.6760	0.6220	0.0050	573.5218	0.1690	0.015
Rubber Tired Loaders	2014	2014Rubber Tired Loaders50	50	2.1150	6.10324	7.7699	0.6760	0.6220	0.0050	573.5218	0.1690	0.015
Rubber Tired Loaders	2014	2014Rubber Tired Loaders120	120	0.8680	7.12932	4.26762	0.6190	0.5690	0.0050	510.0099	0.1510	0.013
Rubber Tired Loaders	2014	2014Rubber Tired Loaders175	175	0.6050	6.27196	3.58536	0.3500	0.3220	0.0050	515.7685	0.1520	0.013
Rubber Tired Loaders	2014	2014Rubber Tired Loaders250	250	0.4070	5.49539	1.48551	0.1870	0.1720	0.0050	514.2167	0.152	0.013
Rubber Tired Loaders	2014	2014Rubber Tired Loaders500	500	0.4210	5.19438	2.40656	0.1960	0.1800	0.0050	512.5095	0.1510	0.013
Rubber Tired Loaders	2014	2014Rubber Tired Loaders750	750	0.4060	4.81047	1.94616	0.1900	0.1750	0.0050	499.6952	0.1480	0.013
Rubber Tired Loaders	2014	2014Rubber Tired Loaders1000	1000	0.4140	6.69249	1.45724	0.195	0.1790	0.0050	515.307	0.1520	0.013
Rubber Tired Loaders	2015	2015Rubber Tired Loaders25	25	2.1080	6.11232	7.83443	0.6750	0.6210	0.0050	567.672	0.1690	0.014
Rubber Tired Loaders	2015	2015Rubber Tired Loaders50	50	2.1080	6.11232	7.83443	0.6750	0.6210	0.0050	567.672	0.1690	0.014
Rubber Tired Loaders	2015	2015Rubber Tired Loaders120	120	0.8560	7.01153	4.27362	0.6060	0.5580	0.0050	505.0231	0.1510	0.013
Rubber Tired Loaders	2015	2015Rubber Tired Loaders175	175	0.5950	6.09735	3.58815	0.3410	0.3130	0.0050	510.4677	0.1520	0.013
Rubber Tired Loaders	2015	2015Rubber Tired Loaders250	250	0.4060	5.36927	1.47986	0.1830	0.1690	0.0050	508.9127	0.1520	0.013
Rubber Tired Loaders	2015	2015Rubber Tired Loaders500	500	0.4150	5.0195	2.33208	0.1900	0.1740	0.0050	506.3723	0.1510	0.013
Rubber Tired Loaders	2015	2015Rubber Tired Loaders750	750	0.3950	4.55578	1.78908	0.1790	0.1650	0.0050	495.31	0.1480	0.013
Rubber Tired Loaders	2015	2015Rubber Tired Loaders1000	1000	0.4200	6.71262	1.46167	0.1970	0.181	0.0050	510.0449	0.1520	0.013
Rubber Tired Loaders	2016	2016Rubber Tired Loaders25	25	2.0550	6.05258	7.79111	0.6600	0.6070	0.0050	561.9032	0.1690	0.014
Rubber Tired Loaders	2016	2016Rubber Tired Loaders50	50	2.0550	6.05258	7.79111	0.6600	0.6070	0.0050	561.9032	0.1690	0.014
Rubber Tired Loaders	2016	2016Rubber Tired Loaders120	120	0.8030	6.58334	4.21236	0.5650	0.5200	0.0050	499.5935	0.1510	0.013
Rubber Tired Loaders	2016	2016Rubber Tired Loaders175	175	0.5650	5.72558	3.56236	0.3190	0.2940	0.0050	505.1308	0.1520	0.013
Rubber Tired Loaders	2016	2016Rubber Tired Loaders250	250	0.3930	5.1151	1.45212	0.1740	0.1600	0.0050	503.6542	0.1520	0.013
Rubber Tired Loaders	2016	2016Rubber Tired Loaders500	500	0.3910	4.62743	2.15506	0.1740	0.1600	0.0050	500.4314	0.1510	0.013
Rubber Tired Loaders	2016	2016Rubber Tired Loaders750	750	0.3730	4.17165	1.70263	0.164	0.1510	0.0050	491.9183	0.1480	0.013
Rubber Tired Loaders	2016	2016Rubber Tired Loaders1000	1000	0.4240	6.72411	1.46404	0.1980	0.182	0.0050	504.7801	0.1520	0.013
Rubber Tired Loaders	2017	2017Rubber Tired Loaders25	25	1.9570	5.95377	7.65953	0.6330	0.5820	0.0050	553.5831	0.1700	0.014
Rubber Tired Loaders	2017	2017Rubber Tired Loaders50	50	1.9570	5.95377	7.65953	0.6330	0.5820	0.0050	553.5831	0.1700	0.014
Rubber Tired Loaders	2017	2017Rubber Tired Loaders120	120	0.757	6.23569	4.17083	0.5300	0.4870	0.0050	491.8531	0.1510	0.013
Rubber Tired Loaders	2017	2017Rubber Tired Loaders175	175	0.5220	5.19525	3.5175	0.2890	0.2660	0.0050	497.3533	0.1520	0.013
Rubber Tired Loaders	2017	2017Rubber Tired Loaders250	250	0.3730	4.75473	1.4172	0.162	0.149	0.0050	495.9499	0.152	0.013
Rubber Tired Loaders	2017	2017Rubber Tired Loaders500	500	0.3690	4.25314	2.06046	0.1600	0.1470	0.0050	492.2764	0.1510	0.013
Rubber Tired Loaders	2017	2017Rubber Tired Loaders750	750	0.3670	4.05049	1.70044	0.1600	0.1470	0.0050	484.3661	0.1480	0.012
Rubber Tired Loaders	2017	2017Rubber Tired Loaders1000	1000	0.4140	6.55319	1.45641	0.1920	0.1760	0.0050	496.8966	0.1520	0.013
Rubber Tired Loaders	2018	2018Rubber Tired Loaders25	25	1.765	5.67925	7.29915	0.5760	0.5300	0.0050	545.0529	0.1700	0.014
Rubber Tired Loaders	2018	2018Rubber Tired Loaders50	50	1.765	5.67925	7.29915	0.5760	0.5300	0.0050	545.0529	0.1700	0.014
Rubber Tired Loaders	2018	2018Rubber Tired Loaders120	120	0.6550	5.47032	4.04742	0.4520	0.4160	0.0050	484.0931	0.1510	0.012
Rubber Tired Loaders	2018	2018Rubber Tired Loaders175	175	0.448	4.36814	3.42332	0.2420	0.2230	0.0050	489.5114	0.1520	0.012
Rubber Tired Loaders	2018	2018Rubber Tired Loaders250	250	0.3330	4.13133	1.34644	0.1400	0.1290	0.0050	487.9023	0.1520	0.012
Rubber Tired Loaders	2018	2018Rubber Tired Loaders500	500	0.3340	3.72607	1.86807	0.1400	0.1280	0.0050	484.5709	0.1510	0.012
Rubber Tired Loaders	2018	2018Rubber Tired Loaders750	750	0.3310	3.5437	1.55549	0.14	0.1290	0.0050	476.5663	0.1480	0.012
Rubber Tired Loaders	2018	2018Rubber Tired Loaders1000	1000	0.3360	5.67315	1.21289	0.1540	0.1420	0.0050	488.4037	0.152	0.012
Rubber Tired Loaders	2019	2019Rubber Tired Loaders25	25	1.6020	5.43193	6.97769	0.5180	0.4760	0.0050	536.2254	0.1700	0.014
Rubber Tired Loaders	2019	2019Rubber Tired Loaders50	50	1.6020	5.43193	6.97769	0.5180	0.4760	0.0050	536.2254	0.1700	0.014
Rubber Tired Loaders	2019	2019Rubber Tired Loaders120	120	0.5950	5.00611	3.97887	0.402	0.3700	0.0050	475.8636	0.1510	0.012
Rubber Tired Loaders	2019	2019Rubber Tired Loaders175	175	0.4050	3.85918	3.38084	0.2130	0.1960	0.0050	481.7364	0.1520	0.012
Rubber Tired Loaders	2019	2019Rubber Tired Loaders250	250	0.3090	3.74452	1.30248	0.1260	0.1160	0.0050	480.0997	0.1520	0.012
Rubber Tired Loaders	2019	2019Rubber Tired Loaders500	500	0.3060	3.28755	1.7248	0.1230	0.1130	0.0050	477.0415	0.1510	0.012
Rubber Tired Loaders	2019	2019Rubber Tired Loaders750	750	0.2930	3.01875	1.45157	0.1180	0.109	0.0050	471.1874	0.1490	0.012
Rubber Tired Loaders	2019	2019Rubber Tired Loaders1000	1000	0.3230	5.45926	1.20834	0.1460	0.1340	0.0050	480.523	0.152	0.012
Rubber Tired Loaders	2020	2020Rubber Tired Loaders25	25	1.4800	5.25369	6.76793	0.4740	0.4360	0.0050	524.6967	0.1700	0.013
Rubber Tired Loaders	2020	2020Rubber Tired Loaders50	50	1.4800	5.25369	6.76793	0.4740	0.4360	0.0050	524.6967	0.1700	0.013
Rubber Tired Loaders	2020	2020Rubber Tired Loaders120	120	0.5560	4.68644	3.94839	0.367	0.3380	0.0050	465.6735	0.1510	0.012
Rubber Tired Loaders	2020	2020Rubber Tired Loaders175	175	0.3790	3.51735	3.36809	0.1940	0.1780	0.0050	471.2135	0.1520	0.012
Rubber Tired Loaders	2020	2020Rubber Tired Loaders250	250	0.2900	3.42116	1.26885	0.1140	0.1040	0.0050	469.5127	0.1520	0.012
Rubber Tired Loaders	2020	2020Rubber Tired Loaders500	500	0.289	3.01666	1.6304	0.1120	0.1030	0.0050	466.7831	0.151	0.012
Rubber Tired Loaders	2020	2020Rubber Tired Loaders750	750	0.2770	2.76722	1.39991	0.1070	0.0990	0.0050	462.193	0.1490	0.012
Rubber Tired Loaders	2020	2020Rubber Tired Loaders1000	1000	0.3110	5.25309	1.20366	0.1390	0.1270	0.0050	469.9352	0.152	0.012
Rubber Tired Loaders	2021	2021Rubber Tired Loaders25	25	1.3250	4.97419	6.44855	0.4090	0.3760	0.0050	524.5505	0.1700	0.013
Rubber Tired Loaders	2021	2021Rubber Tired Loaders50	50	1.3250	4.97419	6.44855	0.4090	0.3760	0.0050	524.5505	0.1700	0.013
Rubber Tired Loaders	2021	2021Rubber Tired Loaders120	120	0.4980	4.21491	3.8917	0.3160	0.291	0.0050	466.4213	0.1510	0.012
Rubber Tired Loaders	2021	2021Rubber Tired Loaders175	175	0.3460	3.11886	3.35381	0.1710	0.1570	0.0050	471.0804	0.1520	0.012
Rubber Tired Loaders	2021	2021Rubber Tired Loaders250	250	0.2660	2.9977	1.24034	0.1	0.092	0.0050	469.5642	0.1520	0.012
Rubber Tired Loaders	2021	2021Rubber Tired Loaders500	500	0.2640	2.61037	1.52922	0.0970	0.0900	0.0050	467.9277	0.1510	0.012
Rubber Tired Loaders	2021	2021Rubber Tired Loaders750	750	0.2710	2.64092	1.39703	0.1020	0.0940	0.0050	462.0548	0.1490	0.012
Rubber Tired Loaders	2021	2021Rubber Tired Loaders1000	1000	0.2940	4.97489	1.2055	0.1280	0.1180	0.0050	471.2577	0.1520	0.012
Rubber Tired Loaders	2022	2022Rubber Tired Loaders25	25	1.1790	4.74817	6.20445	0.3540	0.326	0.0050	524.7914	0.1700	0.013
Rubber Tired Loaders	2022	2022Rubber Tired Loaders50	50	1.1790	4.74817	6.20445	0.3540	0.326	0.0050	524.7914	0.1700	0.013
Rubber Tired Loaders	2022	2022Rubber Tired Loaders120	120	0.4400	3.7684	3.83931	0.2670	0.2450	0.0050	466.4936	0.1510	0.012
Rubber Tired Loaders	2022	2022Rubber Tired Loaders175	175	0.2950	2.5181	3.30208	0.1360	0.1250	0.0050	470.9274	0.1520	0.012
Rubber Tired Loaders	2022	2022Rubber Tired Loaders250	250	0.2260	2.34693	1.188	0.0790	0.0720	0.0050	469.9041	0.152	0.012
Rubber Tired Loaders	2022	2022Rubber Tired Loaders500	500	0.2370	2.17525	1.441	0.0810	0.0750	0.0050	468.1288	0.1510	0.012
Rubber Tired Loaders	2022	2022Rubber Tired Loaders750	750	0.2330	2.0971	1.31524	0.08	0.0740	0.0050	463.8194	0.15	0.012
Rubber Tired Loaders	2022	2022Rubber Tired Loaders1000	1000	0.1930	3.61655	1.16216	0.0740	0.0690	0.0050	472.8577	0.1530	0.012
Rubber Tired Loaders	2023	2023Rubber Tired Loaders25	25	1.0490	4.52113	5.97233	0.3040	0.2790	0.0050	524.304	0.1700	0.013
Rubber Tired Loaders	2023	2023Rubber Tired Loaders50	50	1.0490	4.52113	5.97233	0.3040	0.2790	0.0050	524.304	0.1700	0.013
Rubber Tired Loaders	2023	2023Rubber Tired Loaders120	120	0.412	3.51183	3.82678	0.2380	0.2190	0.0050	466.5584	0.1510	0.012
Rubber Tired Loaders	2023	2023Rubber Tired Loaders175	175	0.2690	2.19586	3.29198	0.1180	0.1080	0.0050	470.6601	0.1520	0.012
Rubber Tired Loaders	2023	2023Rubber Tired Loaders250	250	0.2100	2.05963	1.17136	0.069	0.0630	0.0050	469.824	0.152	0.012
Rubber Tired Loaders	2023	2023Rubber Tired Loaders500	500	0.2170	1.86629	1.38396	0.0690	0.0640	0.0050	468.466	0.1520	0.012
Rubber Tired Loaders	2023	2023Rubber Tired Loaders750	750	0.2260	1.92719	1.32307	0.0740	0.0690	0.0050	464.5553	0.1500	0.012
Rubber Tired Loaders	2023	2023Rubber Tired Loaders1000	1000	0.1930	3.52792	1.17379	0.071	0.0650	0.0050	472.3032	0.1530	0.012
Rubber Tired Loaders	2024	2024Rubber Tired Loaders25	25	1.0090	4.46751	5.98698	0.2860	0.2630	0.0050	524.2299	0.1700	0.013
Rubber Tired Loaders	2024	2024Rubber Tired Loaders50	50	1.0090	4.46751	5.98698	0.2860	0.2630	0.0050	524.2299	0.1700	0.013
Rubber Tired Loaders	2024	2024Rubber Tired Loaders120	120	0.3970	3.33895	3.83209	0.2200	0.2030	0.0050	466.8084	0.151	0.012
Rubber Tired Loaders	2024	2024Rubber Tired Loaders175	175	0.246	1.88365	3.28823	0.1000	0.0920	0.0050	470.3567	0.1520	0.012
Rubber Tired Loaders	2024	2024Rubber Tired Loaders250	250	0.1970	1.80598	1.1607	0.0600	0.0560	0.0050	469.7875	0.1520	0.012
Rubber Tired Loaders	2024	2024Rubber Tired Loaders500	500	0.2090	1.70166	1.3518	0.0630	0.0580	0.0050	468.5133	0.1520	0.012
Rubber Tired Loaders	2024	2024Rubber Tired Loaders750	750	0.2260	1.88137	1.33327	0.0720	0.0660	0.0050	464.8656	0.1500	0.012
Rubber Tired Loaders	2024	2024Rubber Tired Loaders1000	1000	0.2010	3.54358	1.19144	0.0710	0.0660	0.0050	472.3454	0.1530	0.012
Rubber Tired Loaders	2025	2025Rubber Tired Loaders25	25	0.9600	4.34846	5.9413	0.2590	0.2380	0.0050	523.9076	0.1690	0.013
Rubber Tired Loaders	2025	2025Rubber Tired Loaders50	50	0.9600	4.34846	5.9413	0.2590	0.2380	0.0050	523.9076	0.1690	0.013
Rubber Tired Loaders	2025	2025Rubber Tired Loaders120	120	0.3520	2.97026	3.79086	0.1790	0.1650	0.0050	466.8982	0.151	0.012
Rubber Tired Loaders	2025	2025Rubber Tired Loaders175	175	0.2240	1.59023	3.28059	0.084	0.0770	0.0050	470.4594	0.1520	0.012
Rubber Tired Loaders	2025	2025Rubber Tired Loaders250	250	0.1770	1.44207	1.1417	0.0480	0.0450	0.0050	469.8711	0.152	0.012
Rubber Tired Loaders	2025	2025Rubber Tired Loaders500	500	0.1930	1.43264	1.2763	0.0530	0.0480	0.0050	469.1434	0.1520	0.012
Rubber Tired Loaders	2025	2025Rubber Tired Loaders750	750	0.2120	1.65408	1.33262	0.064	0.0590	0.0050	465.0523	0.1500	0.012
Rubber Tired Loaders	2025	2025Rubber Tired Loaders1000	1000	0.1650	3.08852	1.12172	0.052	0.0480	0.0050	472.4559	0.1530	0.012
Rubber Tired Loaders	2030	2030Rubber Tired Loaders25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Rubber Tired Loaders	2030	2030Rubber Tired Loaders50	50	0.634	3.5	5.181	0.062	0.062	0.007	568.3	0.057	0.014
Rubber Tired Loaders	2030	2030Rubber Tired Loaders120	120	0.317	1.875	3.759	0.056	0.056	0.006	568.299	0.028	0.014
Rubber Tired Loaders	2030	2030Rubber Tired Loaders175	175	0.232	0.787	3.312	0.036	0.036	0.006	568.299	0.02	0.014
Rubber Tired Loaders	2030	2030Rubber Tired Loaders250	250	0.21	0.655	1.138	0.022	0.022	0.006	568.299	0.018	0.014
Rubber Tired Loaders	2030	2030Rubber Tired Loaders500	500	0.208	0.619	1.085	0.021	0.021	0.005	568.299	0.018	0.014
Rubber Tired Loaders	2030	2030Rubber Tired Loaders750	750	0.208	0.627	1.085	0.022	0.022	0.005	568.299	0.018	0.014

Rubber Tired Loaders	2030	2030Rubber Tired Loaders1000	1000	0.214	2.722	1.099	0.039	0.039	0.005	568.299	0.019	0.014
Rubber Tired Loaders	2035	2035Rubber Tired Loaders25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Rubber Tired Loaders	2035	2035Rubber Tired Loaders50	50	0.575	3.337	5.126	0.035	0.035	0.007	568.299	0.051	0.014
Rubber Tired Loaders	2035	2035Rubber Tired Loaders120	120	0.286	1.639	3.751	0.033	0.033	0.006	568.299	0.025	0.014
Rubber Tired Loaders	2035	2035Rubber Tired Loaders175	175	0.2	0.481	3.312	0.022	0.022	0.006	568.299	0.018	0.014
Rubber Tired Loaders	2035	2035Rubber Tired Loaders250	250	0.191	0.434	1.129	0.015	0.015	0.006	568.299	0.017	0.014
Rubber Tired Loaders	2035	2035Rubber Tired Loaders500	500	0.191	0.416	1.076	0.015	0.015	0.005	568.299	0.017	0.014
Rubber Tired Loaders	2035	2035Rubber Tired Loaders750	750	0.191	0.421	1.076	0.015	0.015	0.005	568.299	0.017	0.014
Rubber Tired Loaders	2035	2035Rubber Tired Loaders1000	1000	0.193	2.584	1.082	0.03	0.03	0.005	568.299	0.017	0.014
Rubber Tired Loaders	2040	2040Rubber Tired Loaders25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Rubber Tired Loaders	2040	2040Rubber Tired Loaders50	50	0.545	3.283	5.102	0.024	0.024	0.007	568.3	0.049	0.014
Rubber Tired Loaders	2040	2040Rubber Tired Loaders120	120	0.271	1.543	3.748	0.022	0.022	0.006	568.3	0.024	0.014
Rubber Tired Loaders	2040	2040Rubber Tired Loaders175	175	0.188	0.365	3.314	0.016	0.016	0.006	568.299	0.017	0.014
Rubber Tired Loaders	2040	2040Rubber Tired Loaders250	250	0.185	0.346	1.128	0.013	0.013	0.006	568.299	0.016	0.014
Rubber Tired Loaders	2040	2040Rubber Tired Loaders500	500	0.185	0.338	1.076	0.013	0.013	0.005	568.3	0.016	0.014
Rubber Tired Loaders	2040	2040Rubber Tired Loaders750	750	0.185	0.34	1.076	0.013	0.013	0.005	568.299	0.016	0.014
Rubber Tired Loaders	2040	2040Rubber Tired Loaders1000	1000	0.186	2.522	1.076	0.026	0.026	0.005	568.299	0.016	0.014
Scrapers	1990	1990Scrapers120	120	2.413	15.182	5.806	1.373	1.373	0.791	568.299	0.217	0.014
Scrapers	1990	1990Scrapers175	175	1.823	14.491	5.174	1.017	1.017	0.758	568.299	0.164	0.014
Scrapers	1990	1990Scrapers250	250	1.823	14.491	5.174	1.017	1.017	0.758	568.299	0.164	0.014
Scrapers	1990	1990Scrapers500	500	1.607	13.709	11.673	0.867	0.867	0.662	568.299	0.145	0.014
Scrapers	1990	1990Scrapers750	750	1.607	13.709	11.673	0.883	0.883	1.018	568.299	0.145	0.014
Scrapers	2000	2000Scrapers120	120	1.975	11.177	4.906	0.949	0.949	0.06	568.299	0.178	0.014
Scrapers	2000	2000Scrapers175	175	1.346	10.226	4.046	0.572	0.572	0.057	568.299	0.121	0.014
Scrapers	2000	2000Scrapers250	250	1.183	9.944	3.423	0.493	0.493	0.057	568.299	0.106	0.014
Scrapers	2000	2000Scrapers500	500	1.062	9.42	6.04	0.43	0.43	0.05	568.299	0.095	0.014
Scrapers	2000	2000Scrapers750	750	1.062	9.42	6.04	0.43	0.43	0.052	568.299	0.095	0.014
Scrapers	2005	2005Scrapers120	120	1.763	9.807	4.636	0.901	0.901	0.06	568.299	0.159	0.014
Scrapers	2005	2005Scrapers175	175	1.166	8.934	3.76	0.514	0.514	0.057	568.299	0.105	0.014
Scrapers	2005	2005Scrapers250	250	0.921	8.58	2.602	0.377	0.377	0.057	568.299	0.083	0.014
Scrapers	2005	2005Scrapers500	500	0.814	7.854	4.07	0.331	0.331	0.05	568.3	0.073	0.014
Scrapers	2005	2005Scrapers750	750	0.822	7.99	4.063	0.333	0.333	0.052	568.299	0.074	0.014
Scrapers	2010	2010Scrapers120	120	0.6960	7.09453	3.97834	0.5070	0.4660	0.005	537.9051	0.1570	0.014
Scrapers	2010	2010Scrapers175	175	0.7630	8.55764	3.83189	0.4440	0.4080	0.0050	532.551	0.155	0.014
Scrapers	2010	2010Scrapers250	250	0.7900	9.42837	3.25278	0.4340	0.3990	0.0050	520.9381	0.1520	0.013
Scrapers	2010	2010Scrapers500	500	0.5	6.75544	4.1939	0.2720	0.2500	0.0050	525.1553	0.1530	0.013
Scrapers	2010	2010Scrapers750	750	0.3820	5.53444	3.13671	0.2090	0.1920	0.0050	525.522	0.153	0.013
Scrapers	2011	2011Scrapers120	120	0.6990	7.06921	4.00655	0.5090	0.4690	0.005	536.4691	0.1570	0.014
Scrapers	2011	2011Scrapers175	175	0.7620	8.51777	3.84357	0.4440	0.4090	0.0050	531.1835	0.155	0.014
Scrapers	2011	2011Scrapers250	250	0.7840	9.34756	3.22574	0.4300	0.3960	0.0050	519.6705	0.1520	0.013
Scrapers	2011	2011Scrapers500	500	0.4960	6.64672	4.14563	0.2680	0.2460	0.0050	523.9083	0.1530	0.013
Scrapers	2011	2011Scrapers750	750	0.3850	5.48614	3.14165	0.2080	0.191	0.0050	524.1241	0.1530	0.013
Scrapers	2012	2012Scrapers120	120	0.7120	7.11199	4.04661	0.519	0.4770	0.005	535.1238	0.1570	0.014
Scrapers	2012	2012Scrapers175	175	0.769	8.53485	3.8659	0.4480	0.4120	0.0050	529.8158	0.155	0.013
Scrapers	2012	2012Scrapers250	250	0.7860	9.33173	3.22909	0.4300	0.3960	0.0050	518.3695	0.1520	0.013
Scrapers	2012	2012Scrapers500	500	0.5010	6.64299	4.16192	0.2690	0.2470	0.0050	522.6784	0.1530	0.013
Scrapers	2012	2012Scrapers750	750	0.3930	5.49999	3.16628	0.2090	0.1930	0.0050	522.7621	0.1530	0.013
Scrapers	2013	2013Scrapers120	120	0.715	7.08801	4.06971	0.5230	0.4820	0.005	532.4144	0.1570	0.014
Scrapers	2013	2013Scrapers175	175	0.7530	8.33026	3.85136	0.4380	0.4030	0.0050	527.0754	0.155	0.013
Scrapers	2013	2013Scrapers250	250	0.7760	9.20338	3.18463	0.4230	0.3890	0.0050	515.7585	0.1520	0.013
Scrapers	2013	2013Scrapers500	500	0.4960	6.51716	4.08663	0.2640	0.2420	0.0050	520.0884	0.1530	0.013
Scrapers	2013	2013Scrapers750	750	0.3890	5.3398	3.09865	0.2040	0.1870	0.0050	520.1031	0.1530	0.013
Scrapers	2014	2014Scrapers120	120	0.7190	7.0654	4.09983	0.5260	0.4840	0.005	529.9445	0.1570	0.013
Scrapers	2014	2014Scrapers175	175	0.7180	7.90715	3.80661	0.4190	0.3850	0.0050	524.1709	0.1550	0.013
Scrapers	2014	2014Scrapers250	250	0.7420	8.81494	3.06131	0.403	0.3710	0.0050	512.8529	0.1520	0.013
Scrapers	2014	2014Scrapers500	500	0.4790	6.23299	3.89824	0.2510	0.2310	0.0050	517.3608	0.1530	0.013
Scrapers	2014	2014Scrapers750	750	0.3690	5.01248	2.84564	0.1900	0.1740	0.0050	517.3937	0.1530	0.013
Scrapers	2015	2015Scrapers120	120	0.7310	7.10509	4.13678	0.5350	0.4920	0.005	524.5601	0.1570	0.013
Scrapers	2015	2015Scrapers175	175	0.7140	7.76471	3.80865	0.415	0.3820	0.0050	518.8294	0.1550	0.013
Scrapers	2015	2015Scrapers250	250	0.7300	8.66317	3.00753	0.3950	0.3640	0.0050	507.5699	0.1520	0.013
Scrapers	2015	2015Scrapers500	500	0.4720	6.08577	3.788	0.2460	0.2260	0.0050	511.9471	0.1530	0.013
Scrapers	2015	2015Scrapers750	750	0.3600	4.83862	2.68469	0.1820	0.1670	0.0050	512.0837	0.1530	0.013
Scrapers	2016	2016Scrapers120	120	0.7420	7.14312	4.17273	0.5430	0.5000	0.005	519.1668	0.1570	0.013
Scrapers	2016	2016Scrapers175	175	0.6880	7.3844	3.78062	0.3970	0.365	0.0050	513.4363	0.1550	0.013
Scrapers	2016	2016Scrapers250	250	0.6840	8.10864	2.8398	0.3670	0.3380	0.0050	502.255	0.1510	0.013
Scrapers	2016	2016Scrapers500	500	0.4520	5.75749	3.60633	0.2320	0.2130	0.0050	506.3503	0.1530	0.013
Scrapers	2016	2016Scrapers750	750	0.3400	4.48425	2.48181	0.1670	0.1540	0.0050	506.6381	0.1530	0.013
Scrapers	2017	2017Scrapers120	120	0.7530	7.17946	4.20744	0.551	0.5070	0.005	511.1123	0.1570	0.013
Scrapers	2017	2017Scrapers175	175	0.6290	6.67066	3.70478	0.3590	0.3310	0.0050	505.3309	0.1550	0.013
Scrapers	2017	2017Scrapers250	250	0.6270	7.39867	2.64676	0.3330	0.306	0.0050	494.5231	0.1520	0.013
Scrapers	2017	2017Scrapers500	500	0.4250	5.33951	3.33699	0.2140	0.1970	0.0050	498.4571	0.1530	0.013
Scrapers	2017	2017Scrapers750	750	0.3250	4.21648	2.29479	0.1560	0.1430	0.0050	498.6929	0.1530	0.013
Scrapers	2018	2018Scrapers120	120	0.7400	7.03577	4.20429	0.5430	0.4990	0.005	502.8288	0.1570	0.013
Scrapers	2018	2018Scrapers175	175	0.5390	5.64105	3.56847	0.3030	0.2790	0.0050	497.3396	0.1550	0.013
Scrapers	2018	2018Scrapers250	250	0.5570	6.56304	2.40704	0.2900	0.2670	0.0050	486.9908	0.1520	0.012
Scrapers	2018	2018Scrapers500	500	0.3690	4.56771	2.82811	0.18	0.1660	0.0050	490.7734	0.1530	0.012
Scrapers	2018	2018Scrapers750	750	0.2940	3.74582	1.96493	0.135	0.1240	0.0050	490.5775	0.1530	0.012
Scrapers	2019	2019Scrapers120	120	0.718	6.84136	4.19661	0.5250	0.4830	0.005	494.1	0.1560	0.013
Scrapers	2019	2019Scrapers175	175	0.51	5.26356	3.53297	0.2830	0.2610	0.0050	489.2546	0.1550	0.012
Scrapers	2019	2019Scrapers250	250	0.5010	5.83102	2.23321	0.2570	0.2360	0.0050	479.0317	0.1520	0.012
Scrapers	2019	2019Scrapers500	500	0.3430	4.15646	2.59466	0.1630	0.1500	0.0050	482.7319	0.1530	0.012
Scrapers	2019	2019Scrapers750	750	0.2770	3.43103	1.82903	0.1230	0.1130	0.0050	482.5963	0.1530	0.012
Scrapers	2020	2020Scrapers120	120	0.7010	6.6767	4.19756	0.5100	0.4690	0.005	483.745	0.1560	0.012
Scrapers	2020	2020Scrapers175	175	0.4780	4.86851	3.50114	0.262	0.241	0.0050	478.6077	0.1550	0.012
Scrapers	2020	2020Scrapers250	250	0.4460	5.089	2.06469	0.2230	0.2050	0.0050	468.9883	0.1520	0.012
Scrapers	2020	2020Scrapers500	500	0.3200	3.78254	2.40063	0.1480	0.1360	0.0050	472.1751	0.1530	0.012
Scrapers	2020	2020Scrapers750	750	0.2620	3.12592	1.72502	0.1130	0.1040	0.0050	471.7776	0.1530	0.012
Scrapers	2021	2021Scrapers120	120	0.7040	6.65882	4.21819	0.5120	0.4710	0.005	483.7128	0.1560	0.012
Scrapers	2021	2021Scrapers175	175	0.4320	4.34133	3.45599	0.2320	0.2130	0.0050	478.654	0.1550	0.012
Scrapers	2021	2021Scrapers250	250	0.3910	4.36706	1.88374	0.1890	0.174	0.0050	469.1258	0.1520	0.012
Scrapers	2021	2021Scrapers500	500	0.2990	3.44481	2.25454	0.134	0.1230	0.0050	472.4636	0.1530	0.012
Scrapers	2021	2021Scrapers750	750	0.2500	2.88702	1.65772	0.1050	0.0970	0.0050	471.7859	0.1530	0.012
Scrapers	2022	2022Scrapers120	120	0.6810	6.45548	4.20484	0.4940	0.4540	0.005	483.4481	0.1560	0.012
Scrapers	2022	2022Scrapers175	175	0.3900	3.83296	3.41662	0.2040	0.1870	0.0050	478.7411	0.1550	0.012
Scrapers	2022	2022Scrapers250	250	0.3410	3.66905	1.74265	0.16	0.1470	0.0050	469.2686	0.1520	0.012
Scrapers	2022	2022Scrapers500	500	0.2640	2.87856	2.05212	0.1120	0.1030	0.0050	473.2304	0.1530	0.012
Scrapers	2022	2022Scrapers750	750	0.224	2.47537	1.50816	0.0900	0.0830	0.0050	471.2788	0.1520	0.012
Scrapers	2023	2023Scrapers120	120	0.6300	6.02603	4.14443	0.4580	0.4210	0.005	483.0296	0.1560	0.012
Scrapers	2023	2023Scrapers175	175	0.3610	3.47913	3.39533	0.1840	0.1690	0.0050	478.6814	0.1550	0.012
Scrapers	2023	2023Scrapers250	250	0.3170	3.2838	1.67839	0.1440	0.1330	0.0050	469.5597	0.1520	0.012
Scrapers	2023	2023Scrapers500	500	0.2530	2.66611	1.97527	0.1050	0.0960	0.0050	473.1772	0.153	0.012
Scrapers	2023	2023Scrapers750	750	0.2220	2.38587	1.51295	0.0870	0.0800	0.0050	471.2953	0.1520	0.012
Scrapers	2024	2024Scrapers120	120	0.5750	5.63222	4.09486	0.4140	0.3810	0.005	482.7009	0.1560	0.012
Scrapers	2024	2024Scrapers175	175	0.3360	3.15631	3.37249	0.1660	0.1530	0.0050	478.8089	0.1550	0.012
Scrapers	2024	2024Scrapers250	250	0.3010	3.01379	1.62739	0.1330	0.1220	0.0050	469.3521	0.1520	0.012
Scrapers	2024	2024Scrapers500	500	0.2450	2.47694	1.92055	0.0980	0.0900	0.0050	472.8455	0.1530	0.012
Scrapers	2024	2024Scrapers750	750	0.2130	2.18653	1.46065	0.0810	0.0740	0.0050	471.4291	0.1520	0.012
Scrapers	2025	2025Scrapers120	120	0.5660	5.50259	4.09423	0.4050	0.3720	0.005	482.3629	0.156	0.012
Scrapers	2025	2025Scrapers175	175	0.2900	2.63098	3.3209	0.1370	0.1260	0.0050	478.9476	0.1550	0.012
Scrapers	2025	2025Scrapers250	250	0.2910	2.80326	1.60249	0.1250	0.1150	0.0050	469.4459	0.1520	0.012
Scrapers	2025	2025Scrapers500	500	0.2160	2.05051	1.7318	0.0810	0.0740	0.0050	472.5394	0.1530	0.012
Scrapers	2025	2025Scrapers750	750	0.1840	1.71287	1.33825	0.0640	0.059	0.0050	472.115	0.1530	0.012
Scrapers	2030	2030Scrapers120	120	0.41	2.384	3.866	0.111	0.111	0.006	568.299	0.037	0.014
Scrapers	2030	2030Scrapers175	175	0.301	1.32	3.389	0.068	0.068	0.006	568.299	0.027	0.014
Scrapers	2030	2030Scrapers250	250	0.264	1.149	1.206	0.042	0.042	0.006	568.299	0.023	0.014
Scrapers	2030	2030Scrapers500	500	0.259	1.057	1.184	0.04	0.04	0.005	568.299	0.023	0.014
Scrapers	2030	2030Scrapers750	750	0.259	1.075	1.184	0.04	0.04	0.005	568.299	0.023	0.014
Scrapers	2035	2035Scrapers120	120	0.348	1.943	3.842	0.064	0.064	0.006	568.299	0.031	0.014
Scrapers	2035	2035Scrapers175	175	0.25	0.824	3.382	0.04	0.04	0.006	568.299	0.022	0.014
Scrapers	2035	2035Scrapers250	250	0.229	0.717	1.175	0.026	0.026	0.006	568.299	0.02	0.014
Scrapers	2035	2035Scrapers500	500	0.226	0.674	1.123	0.025	0.025	0.005	568.3	0.02	0.014
Scrapers	2035	2035Scrapers750	750	0.226	0.682	1.123	0.025	0.025	0.005	568.299	0.02	0.014
Scrapers	2040	2040Scrapers120	120	0.316	1.715	3.833	0.04	0.04	0.006	568.299	0.028	0.014
Scrapers	2040	2040Scrapers175	175	0.221	0.549	3.381	0.026	0.026	0.006	568.299	0.02	0.014
Scrapers	2040	2040Scrapers250	250	0.21	0.498	1.159	0.018	0.018	0.006	568.3	0.018	0.014
Scrapers	2040	2040Scrapers500	500	0.209	0.475	1.1	0.017	0.017	0.005	568.299	0.018	0.014
Scrapers	2040	2040Scrapers750	750	0.209	0.48	1.1	0.017	0.017	0.005	568.299	0.018	0.014
Signal Boards	1990	1990Signal Boards15	15	1.804	9.999	4.99	0.975	0.975	1.049	568.299	0.162	0.014
Signal Boards	1990	1990Signal Boards50	50	3.65	7.518	7.626	1.035	1.035	0.871	568.299	0.329	0.014
Signal Boards	1990	1990Signal Boards120	120	2.037	13.738	5.201	1.095	1.095	0.791	568.3	0.183	0.014
Signal Boards	1990	1990Signal Boards175	175	1.395	12.364	4.603	0.728	0.728	0.758	568.3	0.125	0.014
Signal Boards	1990	1990Signal Boards250	250	1.685	14.94	5.563	0.88	0.88	0.917	686.695	0.152	0.017
Signal Boards	2000	2000Signal Boards15	15	1.325	7.675	4.257	0.61	0.61	0.079	568.299	0.119	0.014
Signal Boards	2000	2000Signal Boards50	50	3.424	6.709	7.268	0.765	0.765	0.066	568.299	0.309	0.014
Signal Boards	2000	2000Signal Boards120	120	1.646	9.835	4.338	0.756	0.756	0.06	568.299	0.148	0.014
Signal Boards	2000	2000Signal Boards175	175	1.103	8.941	3.53	0.447	0.447	0.057	568.299	0.099	0.014
Signal Boards	2000	2000Signal Boards250	250	1.105	10.385	3.359	0.438	0.438	0.069	686.695	0.099	0.017
Signal Boards	2005	2005Signal Boards15	15	0.742	4.981	3.469	0.35	0.35	0.079	568.299	0.066	0.014
Signal Boards	2005	2005Signal Boards50	50	3.002	6.227	6.663	0.704	0.704	0.066	568.299	0.27	0.014
Signal Boards	2005	2005Signal Boards120	120	1.398	8.234	4	0.695	0.695	0.06	568.299	0.126	0.014
Signal Boards	2005	2005Signal Boards175	175	0.91	7.528	3.185	0.383	0.383	0.057	568.3	0.082	0.014
Signal Boards	2005	2005Signal Boards250	250	0.778	8.577	2.245	0.303	0.303	0.069	686.695	0.07	0.017

Signal Boards	2010	2010Signal Boards15	15	0.661	4.142	3.469	0.155	0.155	0.008	568.299	0.059	0.014
Signal Boards	2010	2010Signal Boards50	50	2.343	5.792	6.009	0.571	0.571	0.007	568.299	0.211	0.014
Signal Boards	2010	2010Signal Boards120	120	1.059	6.693	3.811	0.56	0.56	0.006	568.299	0.095	0.014
Signal Boards	2010	2010Signal Boards175	175	0.701	5.958	3.102	0.311	0.311	0.006	568.299	0.063	0.014
Signal Boards	2010	2010Signal Boards250	250	0.551	6.749	1.651	0.212	0.212	0.007	686.695	0.049	0.017
Signal Boards	2011	2011Signal Boards15	15	0.661	4.142	3.469	0.156	0.156	0.008	568.299	0.059	0.014
Signal Boards	2011	2011Signal Boards50	50	2.178	5.698	5.834	0.541	0.541	0.007	568.299	0.196	0.014
Signal Boards	2011	2011Signal Boards120	120	0.986	6.327	3.774	0.535	0.535	0.006	568.299	0.089	0.014
Signal Boards	2011	2011Signal Boards175	175	0.658	5.615	3.09	0.298	0.298	0.006	568.299	0.059	0.014
Signal Boards	2011	2011Signal Boards250	250	0.506	6.272	1.548	0.19	0.19	0.007	686.695	0.045	0.017
Signal Boards	2012	2012Signal Boards15	15	0.661	4.142	3.469	0.16	0.16	0.008	568.299	0.059	0.014
Signal Boards	2012	2012Signal Boards50	50	1.995	5.596	5.632	0.508	0.508	0.007	568.299	0.18	0.014
Signal Boards	2012	2012Signal Boards120	120	0.909	5.923	3.733	0.498	0.498	0.006	568.299	0.082	0.014
Signal Boards	2012	2012Signal Boards175	175	0.611	5.246	3.077	0.275	0.275	0.006	568.3	0.055	0.014
Signal Boards	2012	2012Signal Boards250	250	0.469	5.81	1.483	0.171	0.171	0.007	686.695	0.042	0.017
Signal Boards	2013	2013Signal Boards15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Signal Boards	2013	2013Signal Boards50	50	1.808	5.362	5.427	0.465	0.465	0.007	568.299	0.163	0.014
Signal Boards	2013	2013Signal Boards120	120	0.833	5.532	3.694	0.456	0.456	0.006	568.299	0.075	0.014
Signal Boards	2013	2013Signal Boards175	175	0.564	4.903	3.067	0.252	0.252	0.006	568.3	0.05	0.014
Signal Boards	2013	2013Signal Boards250	250	0.439	5.369	1.439	0.156	0.156	0.007	686.695	0.039	0.017
Signal Boards	2014	2014Signal Boards15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Signal Boards	2014	2014Signal Boards50	50	1.625	5.139	5.231	0.422	0.422	0.007	568.299	0.146	0.014
Signal Boards	2014	2014Signal Boards120	120	0.759	5.186	3.658	0.414	0.414	0.006	568.299	0.068	0.014
Signal Boards	2014	2014Signal Boards175	175	0.52	4.582	3.058	0.228	0.228	0.006	568.299	0.046	0.014
Signal Boards	2014	2014Signal Boards250	250	0.408	4.857	1.402	0.141	0.141	0.007	686.695	0.036	0.017
Signal Boards	2015	2015Signal Boards15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Signal Boards	2015	2015Signal Boards50	50	1.461	4.943	5.068	0.382	0.382	0.007	568.299	0.131	0.014
Signal Boards	2015	2015Signal Boards120	120	0.687	4.791	3.624	0.371	0.371	0.006	568.299	0.062	0.014
Signal Boards	2015	2015Signal Boards175	175	0.474	4.136	3.052	0.205	0.205	0.006	568.299	0.042	0.014
Signal Boards	2015	2015Signal Boards250	250	0.38	4.365	1.371	0.127	0.127	0.007	686.695	0.034	0.017
Signal Boards	2016	2016Signal Boards15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Signal Boards	2016	2016Signal Boards50	50	1.306	4.761	4.921	0.343	0.343	0.007	568.299	0.117	0.014
Signal Boards	2016	2016Signal Boards120	120	0.618	4.414	3.594	0.33	0.33	0.006	568.299	0.055	0.014
Signal Boards	2016	2016Signal Boards175	175	0.43	3.708	3.047	0.183	0.183	0.006	568.299	0.038	0.014
Signal Boards	2016	2016Signal Boards250	250	0.354	3.894	1.344	0.114	0.114	0.007	686.695	0.031	0.017
Signal Boards	2017	2017Signal Boards15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Signal Boards	2017	2017Signal Boards50	50	1.158	4.59	4.785	0.306	0.306	0.007	568.299	0.104	0.014
Signal Boards	2017	2017Signal Boards120	120	0.553	4.059	3.566	0.29	0.29	0.006	568.299	0.049	0.014
Signal Boards	2017	2017Signal Boards175	175	0.388	3.305	3.044	0.161	0.161	0.006	568.299	0.035	0.014
Signal Boards	2017	2017Signal Boards250	250	0.33	3.452	1.323	0.101	0.101	0.007	686.695	0.029	0.017
Signal Boards	2018	2018Signal Boards15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Signal Boards	2018	2018Signal Boards50	50	1.018	4.427	4.657	0.27	0.27	0.007	568.299	0.091	0.014
Signal Boards	2018	2018Signal Boards120	120	0.492	3.723	3.541	0.252	0.252	0.006	568.299	0.044	0.014
Signal Boards	2018	2018Signal Boards175	175	0.351	2.93	3.043	0.141	0.141	0.006	568.299	0.031	0.014
Signal Boards	2018	2018Signal Boards250	250	0.309	3.04	1.306	0.09	0.09	0.007	686.695	0.027	0.017
Signal Boards	2019	2019Signal Boards15	15	0.661	4.142	3.47	0.161	0.161	0.008	568.299	0.059	0.014
Signal Boards	2019	2019Signal Boards50	50	0.887	4.272	4.538	0.236	0.236	0.007	568.3	0.08	0.014
Signal Boards	2019	2019Signal Boards120	120	0.437	3.41	3.519	0.216	0.216	0.006	568.299	0.039	0.014
Signal Boards	2019	2019Signal Boards175	175	0.321	2.601	3.043	0.125	0.125	0.006	568.299	0.029	0.014
Signal Boards	2019	2019Signal Boards250	250	0.291	2.676	1.292	0.08	0.08	0.007	686.695	0.026	0.017
Signal Boards	2020	2020Signal Boards15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Signal Boards	2020	2020Signal Boards50	50	0.788	4.132	4.448	0.206	0.206	0.007	568.299	0.071	0.014
Signal Boards	2020	2020Signal Boards120	120	0.395	3.134	3.504	0.187	0.187	0.006	568.299	0.035	0.014
Signal Boards	2020	2020Signal Boards175	175	0.298	2.309	3.043	0.11	0.11	0.006	568.299	0.026	0.014
Signal Boards	2020	2020Signal Boards250	250	0.274	2.35	1.281	0.071	0.071	0.007	686.695	0.024	0.017
Signal Boards	2021	2021Signal Boards15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Signal Boards	2021	2021Signal Boards50	50	0.714	4.002	4.38	0.179	0.179	0.007	568.299	0.064	0.014
Signal Boards	2021	2021Signal Boards120	120	0.363	2.889	3.493	0.162	0.162	0.006	568.299	0.032	0.014
Signal Boards	2021	2021Signal Boards175	175	0.278	2.043	3.043	0.098	0.098	0.006	568.299	0.025	0.014
Signal Boards	2021	2021Signal Boards250	250	0.26	2.053	1.273	0.063	0.063	0.007	686.695	0.023	0.017
Signal Boards	2022	2022Signal Boards15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.3	0.059	0.014
Signal Boards	2022	2022Signal Boards50	50	0.655	3.88	4.325	0.154	0.154	0.007	568.299	0.059	0.014
Signal Boards	2022	2022Signal Boards120	120	0.337	2.668	3.484	0.141	0.141	0.006	568.299	0.03	0.014
Signal Boards	2022	2022Signal Boards175	175	0.26	1.801	3.044	0.086	0.086	0.006	568.299	0.023	0.014
Signal Boards	2022	2022Signal Boards250	250	0.247	1.782	1.266	0.055	0.055	0.007	686.695	0.022	0.017
Signal Boards	2023	2023Signal Boards15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Signal Boards	2023	2023Signal Boards50	50	0.603	3.767	4.282	0.132	0.132	0.007	568.299	0.054	0.014
Signal Boards	2023	2023Signal Boards120	120	0.315	2.472	3.478	0.122	0.122	0.006	568.299	0.028	0.014
Signal Boards	2023	2023Signal Boards175	175	0.244	1.602	3.045	0.075	0.075	0.006	568.299	0.022	0.014
Signal Boards	2023	2023Signal Boards250	250	0.235	1.562	1.263	0.048	0.048	0.007	686.695	0.021	0.017
Signal Boards	2024	2024Signal Boards15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Signal Boards	2024	2024Signal Boards50	50	0.559	3.662	4.247	0.114	0.114	0.007	568.299	0.05	0.014
Signal Boards	2024	2024Signal Boards120	120	0.296	2.315	3.474	0.105	0.105	0.006	568.299	0.026	0.014
Signal Boards	2024	2024Signal Boards175	175	0.229	1.427	3.047	0.065	0.065	0.006	568.299	0.02	0.014
Signal Boards	2024	2024Signal Boards250	250	0.224	1.37	1.259	0.041	0.041	0.007	686.695	0.02	0.017
Signal Boards	2025	2025Signal Boards15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Signal Boards	2025	2025Signal Boards50	50	0.522	3.561	4.217	0.098	0.098	0.007	568.299	0.047	0.014
Signal Boards	2025	2025Signal Boards120	120	0.278	2.179	3.47	0.089	0.089	0.006	568.299	0.025	0.014
Signal Boards	2025	2025Signal Boards175	175	0.215	1.262	3.049	0.055	0.055	0.006	568.299	0.019	0.014
Signal Boards	2025	2025Signal Boards250	250	0.213	1.192	1.257	0.035	0.035	0.007	686.695	0.019	0.017
Signal Boards	2030	2030Signal Boards15	15	0.661	4.142	3.47	0.161	0.161	0.008	568.299	0.059	0.014
Signal Boards	2030	2030Signal Boards50	50	0.393	3.193	4.099	0.04	0.04	0.007	568.299	0.035	0.014
Signal Boards	2030	2030Signal Boards120	120	0.213	1.657	3.451	0.035	0.035	0.006	568.3	0.019	0.014
Signal Boards	2030	2030Signal Boards175	175	0.157	0.586	3.048	0.024	0.024	0.006	568.299	0.014	0.014
Signal Boards	2030	2030Signal Boards250	250	0.176	0.594	1.255	0.019	0.019	0.007	686.695	0.015	0.017
Signal Boards	2035	2035Signal Boards15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Signal Boards	2035	2035Signal Boards50	50	0.356	3.082	4.067	0.02	0.02	0.007	568.299	0.032	0.014
Signal Boards	2035	2035Signal Boards120	120	0.192	1.482	3.445	0.018	0.018	0.006	568.299	0.017	0.014
Signal Boards	2035	2035Signal Boards175	175	0.138	0.372	3.048	0.014	0.014	0.006	568.299	0.012	0.014
Signal Boards	2035	2035Signal Boards250	250	0.162	0.401	1.254	0.014	0.014	0.007	686.695	0.014	0.017
Signal Boards	2040	2040Signal Boards15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Signal Boards	2040	2040Signal Boards50	50	0.356	3.037	4.074	0.014	0.014	0.007	568.299	0.032	0.014
Signal Boards	2040	2040Signal Boards120	120	0.188	1.428	3.447	0.013	0.013	0.006	568.299	0.016	0.014
Signal Boards	2040	2040Signal Boards175	175	0.131	0.096	3.05	0.011	0.011	0.006	568.299	0.011	0.014
Signal Boards	2040	2040Signal Boards250	250	0.157	0.341	1.255	0.012	0.012	0.007	686.695	0.014	0.017
Skid Steer Loaders	1990	1990Skid Steer Loaders25	25	2.213	6.919	4.999	0.741	0.741	0.855	568.299	0.199	0.014
Skid Steer Loaders	1990	1990Skid Steer Loaders50	50	4.466	7.821	9.113	1.202	1.202	0.871	568.299	0.403	0.014
Skid Steer Loaders	1990	1990Skid Steer Loaders120	120	2.252	14.506	5.536	1.262	1.262	0.791	568.299	0.203	0.014
Skid Steer Loaders	2000	2000Skid Steer Loaders25	25	2.092	6.403	4.777	0.568	0.568	0.065	568.299	0.188	0.014
Skid Steer Loaders	2000	2000Skid Steer Loaders50	50	3.723	6.733	7.849	0.816	0.816	0.066	568.299	0.335	0.014
Skid Steer Loaders	2000	2000Skid Steer Loaders120	120	1.579	9.028	4.162	0.779	0.779	0.06	568.299	0.142	0.014
Skid Steer Loaders	2005	2005Skid Steer Loaders25	25	1.505	5.913	3.709	0.461	0.461	0.065	568.299	0.135	0.014
Skid Steer Loaders	2005	2005Skid Steer Loaders50	50	3.024	6.068	6.864	0.716	0.716	0.066	568.3	0.272	0.014
Skid Steer Loaders	2005	2005Skid Steer Loaders120	120	1.339	7.653	3.988	0.712	0.712	0.06	568.299	0.12	0.014
Skid Steer Loaders	2010	2010Skid Steer Loaders25	25	1.0000	5.29745	4.48486	0.4350	0.4010	0.0050	586.3356	0.1710	0.015
Skid Steer Loaders	2010	2010Skid Steer Loaders50	50	1.0000	5.29745	4.48486	0.4350	0.4010	0.0050	586.3356	0.1710	0.015
Skid Steer Loaders	2010	2010Skid Steer Loaders120	120	0.4240	5.19396	3.40768	0.3440	0.3170	0.0050	525.6915	0.153	0.013
Skid Steer Loaders	2011	2011Skid Steer Loaders25	25	0.8870	5.2163	4.32754	0.402	0.3700	0.0050	584.7285	0.1710	0.015
Skid Steer Loaders	2011	2011Skid Steer Loaders50	50	0.8870	5.2163	4.32754	0.402	0.3700	0.0050	584.7285	0.1710	0.015
Skid Steer Loaders	2011	2011Skid Steer Loaders120	120	0.3870	4.88341	3.38539	0.3160	0.291	0.0050	524.0915	0.1530	0.013
Skid Steer Loaders	2012	2012Skid Steer Loaders25	25	0.8670	5.12974	4.33156	0.3880	0.3570	0.0050	583.1258	0.1710	0.015
Skid Steer Loaders	2012	2012Skid Steer Loaders50	50	0.8670	5.12974	4.33156	0.3880	0.3570	0.0050	583.1258	0.1710	0.015
Skid Steer Loaders	2012	2012Skid Steer Loaders120	120	0.3720	4.73478	3.38462	0.3030	0.2790	0.0050	522.5357	0.1530	0.013
Skid Steer Loaders	2013	2013Skid Steer Loaders25	25	0.7630	4.84472	4.17576	0.3370	0.3100	0.0050	580.0144	0.1710	0.015
Skid Steer Loaders	2013	2013Skid Steer Loaders50	50	0.7630	4.84472	4.17576	0.3370	0.3100	0.0050	580.0144	0.1710	0.015
Skid Steer Loaders	2013	2013Skid Steer Loaders120	120	0.3400	4.44237	3.36337	0.271	0.2490	0.0050	519.6388	0.1530	0.013
Skid Steer Loaders	2014	2014Skid Steer Loaders25	25	0.6640	4.54075	4.01585	0.2860	0.2630	0.0050	577.0757	0.1710	0.015
Skid Steer Loaders	2014	2014Skid Steer Loaders50	50	0.6640	4.54075	4.01585	0.2860	0.2630	0.0050	577.0757	0.1710	0.015
Skid Steer Loaders	2014	2014Skid Steer Loaders120	120	0.3040	4.0133	3.33829	0.2350	0.2160	0.0050	517.0621	0.1530	0.013
Skid Steer Loaders	2015	2015Skid Steer Loaders25	25	0.6390	4.43612	4.00436	0.2670	0.246	0.0050	571.4195	0.1710	0.015
Skid Steer Loaders	2015	2015Skid Steer Loaders50	50	0.6390	4.43612	4.00436	0.2670	0.246	0.0050	571.4195	0.1710	0.015
Skid Steer Loaders	2015	2015Skid Steer Loaders120	120	0.2940	3.8106	3.33751	0.2200	0.2030	0.0050	511.595	0.1530	0.013
Skid Steer Loaders	2016	2016Skid Steer Loaders25	25	0.5990	4.26784	3.95661	0.2410	0.2210	0.0050	565.2281	0.1700	0.014
Skid Steer Loaders	2016	2016Skid Steer Loaders50	50	0.5990	4.26784	3.95661	0.2410	0.2210	0.0050	565.2281	0.1700	0.014
Skid Steer Loaders	2016	2016Skid Steer Loaders120	120	0.2730	3.53439	3.32767	0.1970	0.1820	0.0050	506.2971	0.1530	0.013
Skid Steer Loaders	2017	2017Skid Steer Loaders25	25	0.5680	4.11272	3.91907	0.2170	0.2000	0.0050	556.7144	0.1710	0.014
Skid Steer Loaders	2017	2017Skid Steer Loaders50	50	0.5680	4.11272	3.91907	0.2170	0.2000	0.0050	556.7144	0.1710	0.014
Skid Steer Loaders	2017	2017Skid Steer Loaders120	120	0.2550	3.28618	3.31863	0.1770	0.1620	0.0050	498.3256	0.1530	0.013
Skid Steer Loaders	2018	2018Skid Steer Loaders25	25	0.4870	3.88962	3.78725	0.1780	0.164	0.0050	547.5575	0.1700	0.014
Skid Steer Loaders	2018	2018Skid Steer Loaders50	50	0.4870	3.88962	3.78725	0.1780	0.164	0.0050	547.5575	0.1700	0.014
Skid Steer Loaders	2018	2018Skid Steer Loaders120	120	0.2160	2.86	3.28204	0.1400	0.1290	0.0050	490.0935	0.1530	0.012
Skid Steer Loaders	2019	2019Skid Steer Loaders25	25	0.4460	3.75009	3.73957	0.1540	0.1410	0.0050	539.2667	0.1710	0.014
Skid Steer Loaders	2019	2019Skid Steer Loaders50	50	0.4460	3.75009	3.73957	0.1540	0.1410	0.0050	539.2667	0.1710	0.014
Skid Steer Loaders	2019	2019Skid Steer Loaders120	120	0.1990	2.65586	3.27736	0.1220	0.1120	0.0050	482.3844	0.1530	0.012
Skid Steer Loaders	2020	2020Skid Steer Loaders25	25	0.4390	3.69113	3.76397	0.1450	0.1330	0.0050	527.7577	0.1710	0.013
Skid Steer Loaders	2020	2020Skid Steer Loaders50	50	0.4390	3.69113	3.76397	0.1450	0.1330	0.0050	527.7577	0.1710	0.013
Skid Steer Loaders	2020	2020Skid Steer Loaders120	120	0.1880	2.5046	3.2771	0.1080	0.1000	0.0050	471.9075	0.1530	0.012
Skid Steer Loaders	2021	2021Skid Steer Loaders25	25	0.4090	3.57304	3.73158	0.1260	0.1160	0.0050	527.4501	0.1710	0.013
Skid Steer Loaders	2021	2021Skid Steer Loaders50	50	0.4090	3.57304	3.73158	0.1260	0.1160	0.0050	527.4501	0.1710	0.013
Skid Steer Loaders	2021	2021Skid Steer Loaders120	120	0.178	2.36588	3.27687	0.0960	0.0890	0.0050	471.9774	0.1530	0.012
Skid Steer Loaders	2022	2022Skid Steer Loaders25	25	0.3650	3.43256	3.65597	0.103	0.0950	0.0050	527.2726	0.1710	0.013
Skid Steer Loaders	2022	2022Skid Steer Loaders50	50	0.3650	3.43256	3.65597	0.103	0.0950	0.0050	527.2726	0.1710	0.013

Skid Steer Loaders	2022	2022Skid Steer Loaders120	120	0.1640	2.18922	3.27037	0.0810	0.0750	0.0050	472.4321	0.1530	0.012
Skid Steer Loaders	2023	2023Skid Steer Loaders25	25	0.3530	3.37057	3.65358	0.0930	0.0860	0.0050	527.4231	0.1710	0.013
Skid Steer Loaders	2023	2023Skid Steer Loaders50	50	0.3530	3.37057	3.65358	0.0930	0.0860	0.0050	527.4231	0.1710	0.013
Skid Steer Loaders	2023	2023Skid Steer Loaders120	120	0.1530	2.03854	3.26613	0.069	0.0630	0.0050	472.656	0.1530	0.012
Skid Steer Loaders	2024	2024Skid Steer Loaders25	25	0.3490	3.34552	3.67076	0.0890	0.0820	0.0050	527.8005	0.1710	0.013
Skid Steer Loaders	2024	2024Skid Steer Loaders50	50	0.3490	3.34552	3.67076	0.0890	0.0820	0.0050	527.8005	0.1710	0.013
Skid Steer Loaders	2024	2024Skid Steer Loaders120	120	0.1470	1.94841	3.26403	0.0630	0.0580	0.0050	472.847	0.1530	0.012
Skid Steer Loaders	2025	2025Skid Steer Loaders25	25	0.3410	3.30934	3.6601	0.0840	0.0770	0.0050	527.8608	0.1710	0.013
Skid Steer Loaders	2025	2025Skid Steer Loaders50	50	0.3410	3.30934	3.6601	0.0840	0.0770	0.0050	527.8608	0.1710	0.013
Skid Steer Loaders	2025	2025Skid Steer Loaders120	120	0.1400	1.86736	3.25156	0.0570	0.0520	0.0050	472.6295	0.1530	0.012
Skid Steer Loaders	2030	2030Skid Steer Loaders25	25	0.685	4.332	2.34	0.162	0.162	0.007	568.299	0.061	0.014
Skid Steer Loaders	2030	2030Skid Steer Loaders50	50	0.411	3.128	4.386	0.018	0.018	0.007	568.299	0.037	0.014
Skid Steer Loaders	2030	2030Skid Steer Loaders120	120	0.214	1.477	3.538	0.017	0.017	0.006	568.299	0.019	0.014
Skid Steer Loaders	2035	2035Skid Steer Loaders25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Skid Steer Loaders	2035	2035Skid Steer Loaders50	50	0.411	3.097	4.39	0.015	0.015	0.007	568.299	0.037	0.014
Skid Steer Loaders	2035	2035Skid Steer Loaders120	120	0.211	1.442	3.54	0.014	0.014	0.006	568.299	0.019	0.014
Skid Steer Loaders	2040	2040Skid Steer Loaders25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Skid Steer Loaders	2040	2040Skid Steer Loaders50	50	0.411	3.093	4.392	0.014	0.014	0.007	568.299	0.037	0.014
Skid Steer Loaders	2040	2040Skid Steer Loaders120	120	0.211	1.435	3.54	0.013	0.013	0.006	568.3	0.019	0.014
Surfacing Equipment	1990	1990Surfacing Equipment50	50	4.203	7.726	8.629	1.147	1.147	0.871	568.299	0.379	0.014
Surfacing Equipment	1990	1990Surfacing Equipment120	120	2.203	14.403	5.473	1.214	1.214	0.791	568.299	0.198	0.014
Surfacing Equipment	1990	1990Surfacing Equipment175	175	1.707	13.91	4.883	0.927	0.927	0.758	568.3	0.154	0.014
Surfacing Equipment	1990	1990Surfacing Equipment250	250	1.707	13.91	4.883	0.927	0.927	0.758	568.299	0.154	0.014
Surfacing Equipment	1990	1990Surfacing Equipment500	500	1.526	13.316	9.66	0.805	0.805	0.662	568.299	0.137	0.014
Surfacing Equipment	1990	1990Surfacing Equipment750	750	1.526	13.316	9.66	0.82	0.82	1.018	568.299	0.137	0.014
Surfacing Equipment	2000	2000Surfacing Equipment50	50	3.509	6.755	7.426	0.779	0.779	0.066	568.299	0.316	0.014
Surfacing Equipment	2000	2000Surfacing Equipment120	120	1.671	9.991	4.385	0.768	0.768	0.06	568.299	0.15	0.014
Surfacing Equipment	2000	2000Surfacing Equipment175	175	1.133	9.132	3.583	0.458	0.458	0.057	568.299	0.102	0.014
Surfacing Equipment	2000	2000Surfacing Equipment250	250	0.97	8.84	2.937	0.385	0.385	0.057	568.299	0.087	0.014
Surfacing Equipment	2000	2000Surfacing Equipment500	500	0.899	8.551	4.584	0.347	0.347	0.05	568.299	0.081	0.014
Surfacing Equipment	2000	2000Surfacing Equipment750	750	0.899	8.551	4.584	0.347	0.347	0.052	568.299	0.081	0.014
Surfacing Equipment	2005	2005Surfacing Equipment50	50	3.148	6.318	6.936	0.727	0.727	0.066	568.3	0.284	0.014
Surfacing Equipment	2005	2005Surfacing Equipment120	120	1.458	8.636	4.122	0.718	0.718	0.06	568.299	0.131	0.014
Surfacing Equipment	2005	2005Surfacing Equipment175	175	0.952	7.874	3.316	0.402	0.402	0.057	568.3	0.085	0.014
Surfacing Equipment	2005	2005Surfacing Equipment250	250	0.73	7.529	2.16	0.29	0.29	0.057	568.299	0.065	0.014
Surfacing Equipment	2005	2005Surfacing Equipment500	500	0.65	6.988	3.023	0.26	0.26	0.05	568.299	0.058	0.014
Surfacing Equipment	2005	2005Surfacing Equipment750	750	0.664	7.132	3.019	0.262	0.262	0.052	568.299	0.059	0.014
Surfacing Equipment	2010	2010Surfacing Equipment50	50	1.2850	5.66618	4.99949	0.4790	0.4400	0.0050	593.0498	0.1730	0.015
Surfacing Equipment	2010	2010Surfacing Equipment120	120	0.6140	6.16537	3.59404	0.4370	0.4020	0.0050	524.0289	0.1530	0.013
Surfacing Equipment	2010	2010Surfacing Equipment175	175	0.557	6.60554	3.09066	0.3180	0.2920	0.0050	522.4909	0.1520	0.013
Surfacing Equipment	2010	2010Surfacing Equipment250	250	0.4110	6.37687	1.7501	0.2120	0.195	0.0050	530.3611	0.1540	0.014
Surfacing Equipment	2010	2010Surfacing Equipment500	500	0.2510	4.43284	1.5491	0.1440	0.1330	0.0050	522.9659	0.1520	0.013
Surfacing Equipment	2010	2010Surfacing Equipment750	750	0.1760	3.5514	1.09654	0.1120	0.1030	0.0050	524.8847	0.1530	0.013
Surfacing Equipment	2011	2011Surfacing Equipment50	50	1.2400	5.62022	4.95391	0.4670	0.4300	0.0050	590.2612	0.1720	0.015
Surfacing Equipment	2011	2011Surfacing Equipment120	120	0.5970	5.98734	3.58797	0.4270	0.3930	0.0050	522.8446	0.1530	0.013
Surfacing Equipment	2011	2011Surfacing Equipment175	175	0.5440	6.46356	3.07389	0.3120	0.287	0.0050	521.1883	0.1520	0.013
Surfacing Equipment	2011	2011Surfacing Equipment250	250	0.4040	6.2863	1.72048	0.2070	0.1910	0.0050	529.0217	0.1540	0.013
Surfacing Equipment	2011	2011Surfacing Equipment500	500	0.2430	4.26701	1.48634	0.1360	0.125	0.0050	520.4212	0.1520	0.013
Surfacing Equipment	2011	2011Surfacing Equipment750	750	0.1810	3.56055	1.10325	0.1130	0.1040	0.0050	523.5482	0.1530	0.013
Surfacing Equipment	2012	2012Surfacing Equipment50	50	1.2610	5.63914	5.03037	0.4730	0.4350	0.0050	588.7118	0.1720	0.015
Surfacing Equipment	2012	2012Surfacing Equipment120	120	0.5960	5.94999	3.59999	0.4260	0.392	0.0050	521.4233	0.1530	0.013
Surfacing Equipment	2012	2012Surfacing Equipment175	175	0.5490	6.48747	3.0893	0.3150	0.2900	0.0050	519.886	0.1520	0.013
Surfacing Equipment	2012	2012Surfacing Equipment250	250	0.4050	6.22653	1.72816	0.2070	0.1910	0.0050	527.6815	0.1540	0.013
Surfacing Equipment	2012	2012Surfacing Equipment500	500	0.2440	4.20283	1.49574	0.1340	0.1240	0.0050	519.0487	0.1520	0.013
Surfacing Equipment	2012	2012Surfacing Equipment750	750	0.1770	3.45723	1.04051	0.1090	0.1000	0.0050	521.0672	0.1520	0.013
Surfacing Equipment	2013	2013Surfacing Equipment50	50	1.223	5.53803	4.99596	0.4570	0.4210	0.0050	585.7193	0.1720	0.015
Surfacing Equipment	2013	2013Surfacing Equipment120	120	0.5880	5.8163	3.60266	0.415	0.3820	0.0050	518.7481	0.1530	0.013
Surfacing Equipment	2013	2013Surfacing Equipment175	175	0.4950	5.94134	3.00889	0.2860	0.2630	0.0050	518.4738	0.1520	0.013
Surfacing Equipment	2013	2013Surfacing Equipment250	250	0.3710	5.8812	1.62196	0.187	0.172	0.0050	524.5301	0.1540	0.013
Surfacing Equipment	2013	2013Surfacing Equipment500	500	0.2430	4.09243	1.50462	0.1310	0.1210	0.0050	516.1488	0.1520	0.013
Surfacing Equipment	2013	2013Surfacing Equipment750	750	0.181	3.46124	1.04387	0.1100	0.1010	0.0050	518.3853	0.1520	0.013
Surfacing Equipment	2014	2014Surfacing Equipment50	50	1.1410	5.42525	4.87668	0.4340	0.3990	0.0050	582.7249	0.1720	0.015
Surfacing Equipment	2014	2014Surfacing Equipment120	120	0.559	5.52029	3.58043	0.3910	0.3600	0.0050	516.3377	0.1530	0.013
Surfacing Equipment	2014	2014Surfacing Equipment175	175	0.4720	5.71146	3.01212	0.2730	0.2510	0.0050	515.8203	0.1520	0.013
Surfacing Equipment	2014	2014Surfacing Equipment250	250	0.306	5.10182	1.43363	0.1490	0.1370	0.0050	521.4518	0.1540	0.013
Surfacing Equipment	2014	2014Surfacing Equipment500	500	0.237	3.8952	1.50147	0.1250	0.1150	0.0050	513.6157	0.1520	0.013
Surfacing Equipment	2014	2014Surfacing Equipment750	750	0.1740	3.28435	1.02007	0.1030	0.0950	0.0050	516.3212	0.1530	0.013
Surfacing Equipment	2015	2015Surfacing Equipment50	50	1.028	5.25471	4.69178	0.4020	0.3700	0.0050	576.7706	0.1720	0.015
Surfacing Equipment	2015	2015Surfacing Equipment120	120	0.5470	5.37414	3.57496	0.378	0.3480	0.0050	510.1417	0.1520	0.013
Surfacing Equipment	2015	2015Surfacing Equipment175	175	0.4770	5.73307	3.02727	0.2760	0.2540	0.0050	510.5481	0.1520	0.013
Surfacing Equipment	2015	2015Surfacing Equipment250	250	0.3100	5.11205	1.44156	0.1510	0.1390	0.0050	516.058	0.1540	0.013
Surfacing Equipment	2015	2015Surfacing Equipment500	500	0.2410	3.90037	1.51303	0.1260	0.1160	0.0050	508.3985	0.1520	0.013
Surfacing Equipment	2015	2015Surfacing Equipment750	750	0.1780	3.28678	1.02353	0.104	0.0960	0.0050	511.1157	0.1530	0.013
Surfacing Equipment	2016	2016Surfacing Equipment50	50	1.0450	5.27275	4.7626	0.4060	0.3740	0.0050	570.8145	0.1720	0.015
Surfacing Equipment	2016	2016Surfacing Equipment120	120	0.522	5.05142	3.54977	0.3490	0.3210	0.0050	505.0873	0.1520	0.013
Surfacing Equipment	2016	2016Surfacing Equipment175	175	0.4580	5.45794	3.00649	0.2650	0.2440	0.0050	504.5576	0.1520	0.013
Surfacing Equipment	2016	2016Surfacing Equipment250	250	0.3070	5.04791	1.42946	0.1480	0.1360	0.0050	510.7058	0.154	0.013
Surfacing Equipment	2016	2016Surfacing Equipment500	500	0.2170	3.46816	1.42484	0.1110	0.1020	0.0050	502.4709	0.1520	0.013
Surfacing Equipment	2016	2016Surfacing Equipment750	750	0.1620	2.87955	0.99966	0.0930	0.0850	0.0050	506.967	0.1530	0.013
Surfacing Equipment	2017	2017Surfacing Equipment50	50	0.9280	5.0643	4.60324	0.3650	0.3360	0.0060	564.4772	0.173	0.014
Surfacing Equipment	2017	2017Surfacing Equipment120	120	0.5080	4.94212	3.55587	0.3370	0.3100	0.0050	498.36	0.1530	0.013
Surfacing Equipment	2017	2017Surfacing Equipment175	175	0.4550	5.39296	3.00273	0.2640	0.2430	0.0050	496.2741	0.1520	0.013
Surfacing Equipment	2017	2017Surfacing Equipment250	250	0.2730	4.46793	1.3431	0.1290	0.1190	0.0050	501.8465	0.1540	0.013
Surfacing Equipment	2017	2017Surfacing Equipment500	500	0.2040	3.10636	1.3962	0.1030	0.0940	0.0050	496.885	0.1520	0.013
Surfacing Equipment	2017	2017Surfacing Equipment750	750	0.1600	2.76955	1.00272	0.0900	0.0830	0.0050	499.7117	0.1530	0.013
Surfacing Equipment	2018	2018Surfacing Equipment50	50	0.779	4.81982	4.35302	0.3200	0.2940	0.0060	555.7363	0.173	0.014
Surfacing Equipment	2018	2018Surfacing Equipment120	120	0.4140	4.28388	3.48871	0.2680	0.247	0.0050	491.3172	0.153	0.013
Surfacing Equipment	2018	2018Surfacing Equipment175	175	0.375	4.47527	2.97609	0.2150	0.1980	0.0050	488.4406	0.1520	0.012
Surfacing Equipment	2018	2018Surfacing Equipment250	250	0.241	3.98866	1.234	0.1130	0.1040	0.0050	494.1388	0.1540	0.013
Surfacing Equipment	2018	2018Surfacing Equipment500	500	0.1570	2.20389	1.22557	0.0760	0.07	0.0050	487.8722	0.1520	0.012
Surfacing Equipment	2018	2018Surfacing Equipment750	750	0.1420	2.26863	0.99347	0.0780	0.072	0.0050	488.86	0.1520	0.012
Surfacing Equipment	2019	2019Surfacing Equipment50	50	0.6430	4.41999	4.0998	0.2500	0.2300	0.0060	547.0462	0.1730	0.014
Surfacing Equipment	2019	2019Surfacing Equipment120	120	0.3550	3.82306	3.44856	0.2260	0.2080	0.0050	484.0757	0.1530	0.012
Surfacing Equipment	2019	2019Surfacing Equipment175	175	0.3570	4.23866	2.97177	0.2040	0.1870	0.0050	479.6717	0.1520	0.012
Surfacing Equipment	2019	2019Surfacing Equipment250	250	0.2170	3.39993	1.21576	0.1010	0.0930	0.0050	486.8417	0.154	0.012
Surfacing Equipment	2019	2019Surfacing Equipment500	500	0.1450	1.89944	1.2143	0.0680	0.0630	0.0050	481.8965	0.1520	0.012
Surfacing Equipment	2019	2019Surfacing Equipment750	750	0.1420	2.17879	0.99372	0.0760	0.0700	0.0050	480.166	0.1520	0.012
Surfacing Equipment	2020	2020Surfacing Equipment50	50	0.5360	4.23906	3.93357	0.2160	0.1990	0.0060	535.5275	0.1730	0.014
Surfacing Equipment	2020	2020Surfacing Equipment120	120	0.3300	3.61216	3.43932	0.2060	0.1900	0.0050	473.8188	0.1530	0.012
Surfacing Equipment	2020	2020Surfacing Equipment175	175	0.3070	3.67232	2.93068	0.1750	0.1610	0.0050	469.2079	0.1520	0.012
Surfacing Equipment	2020	2020Surfacing Equipment250	250	0.2120	3.22243	1.21774	0.0970	0.0890	0.0050	476.4261	0.1540	0.012
Surfacing Equipment	2020	2020Surfacing Equipment500	500	0.1460	1.83755	1.21902	0.0670	0.0620	0.0050	471.6331	0.1530	0.012
Surfacing Equipment	2020	2020Surfacing Equipment750	750	0.1420	2.09374	0.99569	0.0740	0.0680	0.0050	469.6252	0.1520	0.012
Surfacing Equipment	2021	2021Surfacing Equipment50	50	0.5070	4.18875	3.93231	0.204	0.1880	0.0060	535.784	0.1730	0.014
Surfacing Equipment	2021	2021Surfacing Equipment120	120	0.3120	3.46112	3.43619	0.1910	0.1750	0.0050	474.0906	0.1530	0.012
Surfacing Equipment	2021	2021Surfacing Equipment175	175	0.2580	3.09858	2.91895	0.1450	0.1340	0.0050	469.1687	0.1520	0.012
Surfacing Equipment	2021	2021Surfacing Equipment250	250	0.2070	2.99364	1.21854	0.0920	0.0850	0.0050	476.8023	0.1540	0.012
Surfacing Equipment	2021	2021Surfacing Equipment500	500	0.1410	1.75282	1.20226	0.0640	0.0580	0.0050	471.7484	0.1530	0.012
Surfacing Equipment	2021	2021Surfacing Equipment750	750	0.1250	1.59712	0.99181	0.0620	0.0570	0.0050	470.4087	0.1520	0.012
Surfacing Equipment	2022	2022Surfacing Equipment50	50	0.4280	3.9114	3.77243	0.1540	0.1420	0.0060	535.8364	0.1730	0.014
Surfacing Equipment	2022	2022Surfacing Equipment120	120	0.2930	3.24974	3.40936	0.1750	0.1610	0.0050	473.6362	0.1530	0.012
Surfacing Equipment	2022	2022Surfacing Equipment175	175	0.2390	2.70137	2.90957	0.1300	0.1200	0.0050	469.1259	0.1520	0.012
Surfacing Equipment	2022	2022Surfacing Equipment250	250	0.1960	2.66709	1.21737	0.0850	0.0780	0.0050	476.9511	0.1540	0.012
Surfacing Equipment	2022	2022Surfacing Equipment500	500	0.1320	1.5573	1.16047	0.0570	0.0530	0.0050	470.5248	0.1520	0.012
Surfacing Equipment	2022	2022Surfacing Equipment750	750	0.115	1.35503	0.98819	0.0520	0.0480	0.0050	470.4004	0.1520	0.012
Surfacing Equipment	2023	2023Surfacing Equipment50	50	0.4370	3.92432	3.83184	0.1550	0.143	0.0060	535.9295	0.1730	0.014
Surfacing Equipment	2023	2023Surfacing Equipment120	120	0.27	3.05811	3.39556	0.1570	0.1440	0.0050	474.4698	0.1530	0.012
Surfacing Equipment	2023	2023Surfacing Equipment175	175	0.2240	2.45516	2.91383	0.1190	0.1100	0.0050	470.0141	0.152	0.012
Surfacing Equipment	2023	2023Surfacing Equipment250	250	0.1920	2.50162	1.21946	0.0820	0.0750	0.0050	476.9606	0.1540	0.012
Surfacing Equipment	2023	2023Surfacing Equipment500	500	0.1310	1.47556	1.16329	0.0560	0.0510	0.0050	470.3746	0.1520	0.012
Surfacing Equipment	2023	2023Surfacing Equipment750	750	0.1000	1.08063	0.98543	0.0400	0.0370	0.0050	472.4466	0.1530	0.012
Surfacing Equipment	2024	2024Surfacing Equipment50	50	0.3330	3.72069	3.66193	0.1160	0.1070	0.0060	536.0304	0.1730	0.014
Surfacing Equipment	2024	2024Surfacing Equipment120	120	0.2510	2.8828	3.3893	0.1420	0.131	0.0050	475.3806	0.1540	0.012
Surfacing Equipment	2024	2024Surfacing Equipment175	175	0.228	2.46372	2.92962	0.1200	0.1110	0.0050	470.0767	0.152	0.012
Surfacing Equipment	2024	2024Surfacing Equipment250	250	0.1760	2.23638	1.18272	0.071	0.0650	0.0050	477.096	0.1540	0.012
Surfacing Equipment	2024	2024Surfacing Equipment500	500	0.1340	1.47769	1.16767	0.0560	0.0510	0.0050	470.2521	0.1520	0.012
Surfacing Equipment	2024	2024Surfacing Equipment750	750	0.0940	0.94669	0.98493	0.0340	0.0320	0.0050	472.9833	0.153	0.012
Surfacing Equipment	2025	2025Surfacing Equipment50	50	0.2350	3.57642	3.53733	0.0820	0.075	0.0060	536.14	0.1730	0.014
Surfacing Equipment	2025	2025Surfacing Equipment120	120	0.2320	2.6591	3.38535	0.1240	0.1140	0.0050	476.7656	0.1540	0.012
Surfacing Equipment	2025	2025Surfacing Equipment175	175	0.1870	1.9987	2.92602	0.0940	0.0870	0.0050	471.0403	0.1520	0.012
Surfacing Equipment	2025	2025Surfacing Equipment250	250	0.1480	1.74736	1.14337	0.0550	0.0510	0.0050	477.11	0.1540	0.012
Surfacing Equipment	2025	2025Surfacing Equipment500	500	0.1280	1.3268	1.16861	0.051	0.0470	0.0050	470.2827	0.1520	0.012
Surfacing Equipment	2025	2025Surfacing Equipment750	750	0.0850	0.76806	0.9776	0.0270	0.0250	0.0050	470.5508	0.1520	0.012
Surfacing Equipment	2030	2030Surfacing Equipment50	50	0.518	3.4	4.295	0.075	0.075	0.007	568.299	0.046	0.014
Surfacing Equipment	2030	2030Surfacing Equipment120	120	0.264	1.959	3.492	0.068	0.068	0.006	568.299	0.023	0.014
Surfacing Equipment	2030	2030Surfacing Equipment175	175	0.197	0.939	3.071	0.043	0.043	0.006	568.299	0.017	0.014
Surfacing Equipment	2030	2030Surfacing Equipment250	250	0.172	0.789	1.064	0.026	0.026	0.006	568.299	0.015	0.014
Surfacing Equipment	2030	2030Surfacing Equipment500	500	0.169	0.738	1.032	0.025	0.025	0.005	568.299	0.015	0.014
Surfacing Equipment	2030	2030Surfacing Equipment750	750	0.169	0.749	1.032	0.025	0.025	0.005	568.299	0.015	0.014
Surfacing Equipment	2035	2035Surfacing Equipment50	50	0.439	3.193	4.221	0.041	0.041	0.007	568.299	0.039	0.014
Surfacing Equipment	2035	2035Surfacing Equipment120	120	0.226	1.659	3.482	0.038	0.038	0.006	568.299	0.02	0.014
Surfacing Equipment	2035	2035Surfacing Equipment175	175	0.162	0.567	3.072	0.025	0.025	0.006	568.299	0.014	0.014

Surfacing Equipment	2035	2035Surfacing Equipment250	250	0.149	0.497	1.05	0.016	0.016	0.006	568.299	0.013	0.014
Surfacing Equipment	2035	2035Surfacing Equipment500	500	0.148	0.471	1.018	0.016	0.016	0.005	568.299	0.013	0.014
Surfacing Equipment	2035	2035Surfacing Equipment750	750	0.148	0.477	1.018	0.016	0.016	0.005	568.3	0.013	0.014
Surfacing Equipment	2040	2040Surfacing Equipment50	50	0.395	3.114	4.183	0.025	0.025	0.007	568.299	0.035	0.014
Surfacing Equipment	2040	2040Surfacing Equipment120	120	0.206	1.521	3.477	0.024	0.024	0.006	568.299	0.018	0.014
Surfacing Equipment	2040	2040Surfacing Equipment175	175	0.146	0.397	3.073	0.017	0.017	0.006	568.299	0.013	0.014
Surfacing Equipment	2040	2040Surfacing Equipment250	250	0.14	0.37	1.047	0.013	0.013	0.006	568.299	0.012	0.014
Surfacing Equipment	2040	2040Surfacing Equipment500	500	0.14	0.358	1.015	0.012	0.012	0.005	568.299	0.012	0.014
Surfacing Equipment	2040	2040Surfacing Equipment750	750	0.14	0.361	1.015	0.013	0.013	0.005	568.299	0.012	0.014
Sweepers/Scrubbers	1990	1990Sweepers/Scrubbers15	15	1.804	9.999	5	0.968	0.968	0.833	568.299	0.162	0.014
Sweepers/Scrubbers	1990	1990Sweepers/Scrubbers25	25	2.213	6.92	5	0.735	0.735	0.679	568.299	0.199	0.014
Sweepers/Scrubbers	1990	1990Sweepers/Scrubbers50	50	4.512	7.836	9.199	1.202	1.202	0.692	568.299	0.407	0.014
Sweepers/Scrubbers	1990	1990Sweepers/Scrubbers120	120	2.254	14.467	5.53	1.259	1.259	0.628	568.299	0.203	0.014
Sweepers/Scrubbers	1990	1990Sweepers/Scrubbers175	175	1.505	12.813	4.861	0.818	0.818	0.602	568.299	0.135	0.014
Sweepers/Scrubbers	1990	1990Sweepers/Scrubbers250	250	1.505	12.813	4.861	0.818	0.818	0.602	568.299	0.135	0.014
Sweepers/Scrubbers	2000	2000Sweepers/Scrubbers15	15	1.047	7.362	4.258	0.428	0.428	0.079	568.299	0.094	0.014
Sweepers/Scrubbers	2000	2000Sweepers/Scrubbers25	25	1.089	6.325	4.438	0.442	0.442	0.064	568.299	0.098	0.014
Sweepers/Scrubbers	2000	2000Sweepers/Scrubbers50	50	4.144	6.934	8.622	0.882	0.882	0.065	568.299	0.373	0.014
Sweepers/Scrubbers	2000	2000Sweepers/Scrubbers120	120	1.706	9.702	4.394	0.84	0.84	0.059	568.299	0.154	0.014
Sweepers/Scrubbers	2000	2000Sweepers/Scrubbers175	175	1.155	8.929	3.49	0.481	0.481	0.057	568.299	0.104	0.014
Sweepers/Scrubbers	2000	2000Sweepers/Scrubbers250	250	0.924	8.516	2.598	0.371	0.371	0.057	568.3	0.083	0.014
Sweepers/Scrubbers	2005	2005Sweepers/Scrubbers15	15	0.708	4.985	3.469	0.35	0.35	0.079	568.299	0.063	0.014
Sweepers/Scrubbers	2005	2005Sweepers/Scrubbers25	25	0.774	5.326	2.526	0.323	0.323	0.064	568.299	0.069	0.014
Sweepers/Scrubbers	2005	2005Sweepers/Scrubbers50	50	3.845	6.52	8.25	0.844	0.844	0.065	568.299	0.346	0.014
Sweepers/Scrubbers	2005	2005Sweepers/Scrubbers120	120	1.559	8.538	4.253	0.826	0.826	0.059	568.299	0.14	0.014
Sweepers/Scrubbers	2005	2005Sweepers/Scrubbers175	175	1.021	7.851	3.349	0.45	0.45	0.057	568.3	0.092	0.014
Sweepers/Scrubbers	2005	2005Sweepers/Scrubbers250	250	0.668	7.318	1.76	0.258	0.258	0.057	568.299	0.06	0.014
Sweepers/Scrubbers	2010	2010Sweepers/Scrubbers15	15	1.8100	5.8263	6.34286	0.6150	0.5660	0.0050	583.6982	0.1700	0.015
Sweepers/Scrubbers	2010	2010Sweepers/Scrubbers25	25	1.8100	5.8263	6.34286	0.6150	0.5660	0.0050	583.6982	0.1700	0.015
Sweepers/Scrubbers	2010	2010Sweepers/Scrubbers50	50	1.8100	5.8263	6.34286	0.6150	0.5660	0.0050	583.6982	0.1700	0.015
Sweepers/Scrubbers	2010	2010Sweepers/Scrubbers120	120	0.9190	7.68967	4.10149	0.657	0.6040	0.0050	526.7953	0.1530	0.013
Sweepers/Scrubbers	2010	2010Sweepers/Scrubbers175	175	0.9990	10.3895	4.21032	0.5780	0.5320	0.0050	525.6912	0.153	0.013
Sweepers/Scrubbers	2010	2010Sweepers/Scrubbers250	250	0.5830	7.47446	2.35018	0.3190	0.2940	0.0050	522.3625	0.152	0.013
Sweepers/Scrubbers	2011	2011Sweepers/Scrubbers15	15	1.7680	5.80317	6.34227	0.6060	0.5570	0.0050	582.239	0.1700	0.015
Sweepers/Scrubbers	2011	2011Sweepers/Scrubbers25	25	1.7680	5.80317	6.34227	0.6060	0.5570	0.0050	582.239	0.1700	0.015
Sweepers/Scrubbers	2011	2011Sweepers/Scrubbers50	50	1.7680	5.80317	6.34227	0.6060	0.5570	0.0050	582.239	0.1700	0.015
Sweepers/Scrubbers	2011	2011Sweepers/Scrubbers120	120	0.8990	7.49949	4.08877	0.6510	0.5990	0.0050	525.4783	0.1530	0.013
Sweepers/Scrubbers	2011	2011Sweepers/Scrubbers175	175	0.9530	9.92737	4.14616	0.5540	0.5090	0.0050	524.377	0.153	0.013
Sweepers/Scrubbers	2011	2011Sweepers/Scrubbers250	250	0.5240	7.01091	2.16425	0.2840	0.2610	0.0050	521.0566	0.152	0.013
Sweepers/Scrubbers	2012	2012Sweepers/Scrubbers15	15	1.8300	5.85015	6.54958	0.621	0.5710	0.0050	580.7797	0.1700	0.015
Sweepers/Scrubbers	2012	2012Sweepers/Scrubbers25	25	1.8300	5.85015	6.54958	0.621	0.5710	0.0050	580.7797	0.1700	0.015
Sweepers/Scrubbers	2012	2012Sweepers/Scrubbers50	50	1.8300	5.85015	6.54958	0.621	0.5710	0.0050	580.7797	0.1700	0.015
Sweepers/Scrubbers	2012	2012Sweepers/Scrubbers120	120	0.9070	7.50259	4.12474	0.6590	0.6060	0.0050	524.1613	0.1530	0.013
Sweepers/Scrubbers	2012	2012Sweepers/Scrubbers175	175	0.9590	9.95689	4.16243	0.5580	0.5130	0.0050	523.0627	0.153	0.013
Sweepers/Scrubbers	2012	2012Sweepers/Scrubbers250	250	0.532	7.05573	2.17716	0.2860	0.2640	0.0050	519.7507	0.152	0.013
Sweepers/Scrubbers	2013	2013Sweepers/Scrubbers15	15	1.7850	5.78778	6.54294	0.608	0.5590	0.0050	577.8612	0.1700	0.015
Sweepers/Scrubbers	2013	2013Sweepers/Scrubbers25	25	1.7850	5.78778	6.54294	0.608	0.5590	0.0050	577.8612	0.1700	0.015
Sweepers/Scrubbers	2013	2013Sweepers/Scrubbers50	50	1.7850	5.78778	6.54294	0.608	0.5590	0.0050	577.8612	0.1700	0.015
Sweepers/Scrubbers	2013	2013Sweepers/Scrubbers120	120	0.8570	7.14773	4.07918	0.6260	0.5760	0.0050	521.5273	0.1530	0.013
Sweepers/Scrubbers	2013	2013Sweepers/Scrubbers175	175	0.9430	9.76352	4.12302	0.5470	0.503	0.0050	520.4343	0.153	0.013
Sweepers/Scrubbers	2013	2013Sweepers/Scrubbers250	250	0.4960	6.66337	2.05413	0.263	0.2420	0.0050	517.1389	0.152	0.013
Sweepers/Scrubbers	2014	2014Sweepers/Scrubbers15	15	1.7670	5.75157	6.59249	0.6030	0.5550	0.0050	574.9427	0.1700	0.015
Sweepers/Scrubbers	2014	2014Sweepers/Scrubbers25	25	1.7670	5.75157	6.59249	0.6030	0.5550	0.0050	574.9427	0.1700	0.015
Sweepers/Scrubbers	2014	2014Sweepers/Scrubbers50	50	1.7670	5.75157	6.59249	0.6030	0.5550	0.0050	574.9427	0.1700	0.015
Sweepers/Scrubbers	2014	2014Sweepers/Scrubbers120	120	0.8330	6.93387	4.07085	0.6100	0.5620	0.0050	518.8933	0.1530	0.013
Sweepers/Scrubbers	2014	2014Sweepers/Scrubbers175	175	0.8750	9.10792	4.04161	0.5030	0.463	0.0050	517.8058	0.153	0.013
Sweepers/Scrubbers	2014	2014Sweepers/Scrubbers250	250	0.5050	6.70399	2.06593	0.2650	0.2440	0.0050	514.5271	0.152	0.013
Sweepers/Scrubbers	2015	2015Sweepers/Scrubbers15	15	1.8070	5.77191	6.75408	0.6110	0.5620	0.0050	569.1058	0.1700	0.014
Sweepers/Scrubbers	2015	2015Sweepers/Scrubbers25	25	1.8070	5.77191	6.75408	0.6110	0.5620	0.0050	569.1058	0.1700	0.014
Sweepers/Scrubbers	2015	2015Sweepers/Scrubbers50	50	1.8070	5.77191	6.75408	0.6110	0.5620	0.0050	569.1058	0.1700	0.014
Sweepers/Scrubbers	2015	2015Sweepers/Scrubbers120	120	0.8330	6.8863	4.09682	0.6100	0.5610	0.0050	513.6254	0.1530	0.013
Sweepers/Scrubbers	2015	2015Sweepers/Scrubbers175	175	0.8390	8.69682	3.98239	0.4790	0.4410	0.0050	512.5489	0.153	0.013
Sweepers/Scrubbers	2015	2015Sweepers/Scrubbers250	250	0.5130	6.7446	2.07774	0.2680	0.2460	0.0050	509.3035	0.152	0.013
Sweepers/Scrubbers	2016	2016Sweepers/Scrubbers15	15	1.7810	5.72609	6.78514	0.6030	0.5550	0.0050	563.2688	0.1700	0.014
Sweepers/Scrubbers	2016	2016Sweepers/Scrubbers25	25	1.7810	5.72609	6.78514	0.6030	0.5550	0.0050	563.2688	0.1700	0.014
Sweepers/Scrubbers	2016	2016Sweepers/Scrubbers50	50	1.7810	5.72609	6.78514	0.6030	0.5550	0.0050	563.2688	0.1700	0.014
Sweepers/Scrubbers	2016	2016Sweepers/Scrubbers120	120	0.7830	6.45405	4.05916	0.5710	0.525	0.0050	508.3574	0.1530	0.013
Sweepers/Scrubbers	2016	2016Sweepers/Scrubbers175	175	0.7460	7.78746	3.83865	0.4190	0.3850	0.0050	507.292	0.153	0.013
Sweepers/Scrubbers	2016	2016Sweepers/Scrubbers250	250	0.5210	6.78244	2.08905	0.2700	0.2480	0.0050	504.0799	0.152	0.013
Sweepers/Scrubbers	2017	2017Sweepers/Scrubbers15	15	1.7120	5.62558	6.7185	0.5820	0.5350	0.0050	554.5133	0.1700	0.014
Sweepers/Scrubbers	2017	2017Sweepers/Scrubbers25	25	1.7120	5.62558	6.7185	0.5820	0.5350	0.0050	554.5133	0.1700	0.014
Sweepers/Scrubbers	2017	2017Sweepers/Scrubbers50	50	1.7120	5.62558	6.7185	0.5820	0.5350	0.0050	554.5133	0.1700	0.014
Sweepers/Scrubbers	2017	2017Sweepers/Scrubbers120	120	0.7200	6.0202	4.01005	0.5200	0.4790	0.0050	500.4555	0.1530	0.013
Sweepers/Scrubbers	2017	2017Sweepers/Scrubbers175	175	0.7110	7.42433	3.78429	0.3950	0.363	0.0050	499.4066	0.153	0.013
Sweepers/Scrubbers	2017	2017Sweepers/Scrubbers250	250	0.5130	6.50894	2.08973	0.2640	0.2430	0.0050	496.2444	0.152	0.013
Sweepers/Scrubbers	2018	2018Sweepers/Scrubbers15	15	1.5450	5.39866	6.4442	0.5310	0.4880	0.0050	545.7578	0.1700	0.014
Sweepers/Scrubbers	2018	2018Sweepers/Scrubbers25	25	1.5450	5.39866	6.4442	0.5310	0.4880	0.0050	545.7578	0.1700	0.014
Sweepers/Scrubbers	2018	2018Sweepers/Scrubbers50	50	1.5450	5.39866	6.4442	0.5310	0.4880	0.0050	545.7578	0.1700	0.014
Sweepers/Scrubbers	2018	2018Sweepers/Scrubbers120	120	0.5990	5.13595	3.88173	0.4280	0.3940	0.0050	492.5536	0.1530	0.013
Sweepers/Scrubbers	2018	2018Sweepers/Scrubbers175	175	0.5890	6.07101	3.58832	0.3200	0.2940	0.0050	491.5213	0.153	0.013
Sweepers/Scrubbers	2018	2018Sweepers/Scrubbers250	250	0.3490	4.30158	1.60478	0.1690	0.1560	0.0050	488.409	0.152	0.012
Sweepers/Scrubbers	2019	2019Sweepers/Scrubbers15	15	1.431	5.22487	6.26782	0.4910	0.4520	0.0050	537.0023	0.1700	0.014
Sweepers/Scrubbers	2019	2019Sweepers/Scrubbers25	25	1.431	5.22487	6.26782	0.4910	0.4520	0.0050	537.0023	0.1700	0.014
Sweepers/Scrubbers	2019	2019Sweepers/Scrubbers50	50	1.431	5.22487	6.26782	0.4910	0.4520	0.0050	537.0023	0.1700	0.014
Sweepers/Scrubbers	2019	2019Sweepers/Scrubbers120	120	0.5500	4.77259	3.84602	0.3870	0.3560	0.0050	484.6516	0.1530	0.012
Sweepers/Scrubbers	2019	2019Sweepers/Scrubbers175	175	0.5230	5.30082	3.4491	0.2770	0.255	0.0050	483.6359	0.153	0.012
Sweepers/Scrubbers	2019	2019Sweepers/Scrubbers250	250	0.2350	2.86598	1.23013	0.0990	0.091	0.0050	480.5735	0.152	0.012
Sweepers/Scrubbers	2020	2020Sweepers/Scrubbers15	15	1.3440	5.09515	6.1554	0.4630	0.4260	0.0050	525.3284	0.1700	0.013
Sweepers/Scrubbers	2020	2020Sweepers/Scrubbers25	25	1.3440	5.09515	6.1554	0.4630	0.4260	0.0050	525.3284	0.1700	0.013
Sweepers/Scrubbers	2020	2020Sweepers/Scrubbers50	50	1.3440	5.09515	6.1554	0.4630	0.4260	0.0050	525.3284	0.1700	0.013
Sweepers/Scrubbers	2020	2020Sweepers/Scrubbers120	120	0.5200	4.4821	3.82752	0.3600	0.3310	0.0050	474.1157	0.1530	0.012
Sweepers/Scrubbers	2020	2020Sweepers/Scrubbers175	175	0.4620	4.60809	3.35909	0.2370	0.2180	0.0050	473.1221	0.153	0.012
Sweepers/Scrubbers	2020	2020Sweepers/Scrubbers250	250	0.2070	2.4856	1.13655	0.079	0.0730	0.0050	470.1263	0.152	0.012
Sweepers/Scrubbers	2021	2021Sweepers/Scrubbers15	15	1.2190	4.84946	5.89996	0.4120	0.3790	0.0050	525.3284	0.1700	0.013
Sweepers/Scrubbers	2021	2021Sweepers/Scrubbers25	25	1.2190	4.84946	5.89996	0.4120	0.3790	0.0050	525.3284	0.1700	0.013
Sweepers/Scrubbers	2021	2021Sweepers/Scrubbers50	50	1.2190	4.84946	5.89996	0.4120	0.3790	0.0050	525.3284	0.1700	0.013
Sweepers/Scrubbers	2021	2021Sweepers/Scrubbers120	120	0.4400	3.96194	3.75746	0.2910	0.2680	0.0050	474.1157	0.1530	0.012
Sweepers/Scrubbers	2021	2021Sweepers/Scrubbers175	175	0.3850	3.70723	3.24726	0.1870	0.1720	0.0050	473.1221	0.153	0.012
Sweepers/Scrubbers	2021	2021Sweepers/Scrubbers250	250	0.1640	1.75821	1.1084	0.055	0.0510	0.0050	470.1263	0.152	0.012
Sweepers/Scrubbers	2022	2022Sweepers/Scrubbers15	15	1.0080	4.49049	5.45118	0.3350	0.3080	0.0050	525.3284	0.1700	0.013
Sweepers/Scrubbers	2022	2022Sweepers/Scrubbers25	25	1.0080	4.49049	5.45118	0.3350	0.3080	0.0050	525.3284	0.1700	0.013
Sweepers/Scrubbers	2022	2022Sweepers/Scrubbers50	50	1.0080	4.49049	5.45118	0.3350	0.3080	0.0050	525.3284	0.1700	0.013
Sweepers/Scrubbers	2022	2022Sweepers/Scrubbers120	120	0.3720	3.47218	3.69196	0.2320	0.2140	0.0050	474.1157	0.1530	0.012
Sweepers/Scrubbers	2022	2022Sweepers/Scrubbers175	175	0.3210	3.00243	3.22176	0.1450	0.133	0.0050	473.1221	0.153	0.012
Sweepers/Scrubbers	2022	2022Sweepers/Scrubbers250	250	0.1520	1.60484	1.10147	0.0500	0.0460	0.0050	470.1263	0.152	0.012
Sweepers/Scrubbers	2023	2023Sweepers/Scrubbers15	15	0.7590	4.12735	4.97095	0.2480	0.2290	0.0050	525.3284	0.1700	0.013
Sweepers/Scrubbers	2023	2023Sweepers/Scrubbers25	25	0.7590	4.12735	4.97095	0.2480	0.2290	0.0050	525.3284	0.1700	0.013
Sweepers/Scrubbers	2023	2023Sweepers/Scrubbers50	50	0.7590	4.12735	4.97095	0.2480	0.2290	0.0050	525.3284	0.1700	0.013
Sweepers/Scrubbers	2023	2023Sweepers/Scrubbers120	120	0.3510	3.28536	3.69499	0.2100	0.1930	0.0050	474.1157	0.1530	0.012
Sweepers/Scrubbers	2023	2023Sweepers/Scrubbers175	175	0.2920	2.60853	3.22298	0.1260	0.1160	0.0050	473.1221	0.153	0.012
Sweepers/Scrubbers	2023	2023Sweepers/Scrubbers250	250	0.1580	1.61028	1.11413	0.0500	0.0460	0.0050	470.1263	0.152	0.012
Sweepers/Scrubbers	2024	2024Sweepers/Scrubbers15	15	0.7460	4.0788	5.00321	0.2390	0.2190	0.0050	525.3284	0.1700	0.013
Sweepers/Scrubbers	2024	2024Sweepers/Scrubbers25	25	0.7460	4.0788	5.00321	0.2390	0.2190	0.0050	525.3284	0.1700	0.013
Sweepers/Scrubbers	2024	2024Sweepers/Scrubbers50	50	0.7460	4.0788	5.00321	0.2390	0.2190	0.0050	525.3284	0.1700	0.013
Sweepers/Scrubbers	2024	2024Sweepers/Scrubbers120	120	0.332	3.09846	3.69288	0.1880	0.1730	0.0050	474.1157	0.1530	0.012
Sweepers/Scrubbers	2024	2024Sweepers/Scrubbers175	175	0.2660	2.2533	3.23374	0.1070	0.0990	0.0050	473.1221	0.153	0.012
Sweepers/Scrubbers	2024	2024Sweepers/Scrubbers250	250	0.1640	1.61357	1.12729	0.0510	0.0460	0.0050	470.1263	0.152	0.012
Sweepers/Scrubbers	2025	2025Sweepers/Scrubbers15	15	0.6220	3.85568	4.76791	0.1910	0.1760	0.0050	525.3284	0.1700	0.013
Sweepers/Scrubbers	2025	2025Sweepers/Scrubbers25	25	0.6220	3.85568	4.76791	0.1910	0.1760	0.0050	525.3284	0.1700	0.013
Sweepers/Scrubbers	2025	2025Sweepers/Scrubbers50	50	0.6220	3.85568	4.76791	0.1910	0.1760	0.0050	525.3284	0.1700	0.013
Sweepers/Scrubbers	2025	2025Sweepers/Scrubbers120	120	0.3030	2.81733	3.66402	0.1600	0.1470	0.0050	474.1157	0.1530	0.012
Sweepers/Scrubbers	2025	2025Sweepers/Scrubbers175	175	0.2130	1.63811	3.201	0.0720	0.0660	0.0050	473.1221	0.153	0.012
Sweepers/Scrubbers	2025	2025Sweepers/Scrubbers250	250	0.1700	1.61588	1.14005	0.0510	0.0470	0.0050	470.1263	0.152	0.012
Sweepers/Scrubbers	2030	2030Sweepers/Scrubbers15	15	0.589	4.142	3.47	0.161	0.161	0.008	568.299	0.053	0.014
Sweepers/Scrubbers	2030	2030Sweepers/Scrubbers25	25	0.685	4.332	2.34	0.161	0.161	0.007	568.299	0.061	0.014
Sweepers/Scrubbers	2030	2030Sweepers/Scrubbers50	50	0.509	3.294	4.947	0.026	0.026	0.007	568.299	0.046	0.014
Sweepers/Scrubbers	2030	2030Sweepers/Scrubbers120	120	0.261	1.569	3.703	0.023	0.023	0.006	568.299	0.023	0.014
Sweepers/Scrubbers	2030	2030Sweepers/Scrubbers175	175	0.187	0.431	3.275	0.017	0.017	0.006	568.299	0.016	0.014
Sweepers/Scrubbers	2030	2030Sweepers/Scrubbers250	250	0.182	0.37	1.116	0.013	0.013	0.006	568.299	0.016	0.014
Sweepers/Scrubbers	2035	2035Sweepers/Scrubbers15	15	0.589	4.142	3.47	0.161	0.161	0.008	568.299	0.053	0.014
Sweepers/Scrubbers	2035	2035Sweepers/Scrubbers25	25	0.685	4.332	2.34	0.161	0.161	0.007	568.3	0.061	0.014
Sweepers/Scrubbers	2035	2035Sweepers/Scrubbers50	50	0.505	3.214	4.929	0.017	0.017	0.007	568.299	0.045	0.014
Sweepers/Scrubbers	2035	2035Sweepers/Scrubbers120	120	0.253	1.486	3.698	0.016	0.016	0.006	568.299	0.022	0.014
Sweepers/Scrubbers	2035	2035Sweepers/Scrubbers175	175	0.175	0.313	3.271	0.012	0.012	0.006	568.299	0.015	0.014
Sweepers/Scrubbers	2035	2035Sweepers/Scrubbers250	250	0.173	0.294	1.114	0.011	0.011	0.006	568.299	0.015	0.014
Sweepers/Scrubbers	2040	2040Sweepers/Scrubbers15	15	0.589	4.142	3.47	0.161	0.161	0.008	568.3	0.053	0.014
Sweepers/Scrubbers	2040	2040Sweepers/Scrubbers25	25	0.685	4.332	2.34	0.161	0.161	0.007	568.299	0.061	0.014
Sweepers/Scrubbers	2040	2040Sweepers/Scrubbers50	50	0.504	3.203	4.925	0.016	0.016	0.007	568.3	0.045	0.014
Sweepers/Scrubbers	2040	2040Sweepers/Scrubbers120	120	0.251	1.469	3.697	0.015	0.015	0.006	568.299	0.022	0.014
Sweepers/Scrubbers	2040	2040Sweepers/Scrubbers175	175	0.172	0.284	3.27	0.011	0.011	0.006	568.299	0.015	0.014
Sweepers/Scrubbers	2040	2040Sweepers/Scrubbers250	250	0.172	0.284	1.114	0.011	0.011	0.006	568.299	0.015	0.014
Tractors/Loaders/Backhoes	1990	1990Tractors/Loaders/Backhoes25	25	2.213	6.919	4.999	0.741	0.741	0.855	568.299	0.199	0.014

Tractors/Loaders/Backhoes	1990	1990Tractors/Loaders/Backhoes50	50	4.787	7.939	9.698	1.267	1.267	0.871	568.299	0.431	0.014
Tractors/Loaders/Backhoes	1990	1990Tractors/Loaders/Backhoes120	120	2.333	14.779	5.659	1.327	1.327	0.791	568.299	0.21	0.014
Tractors/Loaders/Backhoes	1990	1990Tractors/Loaders/Backhoes175	175	1.751	14.021	5.008	0.974	0.974	0.758	568.299	0.158	0.014
Tractors/Loaders/Backhoes	1990	1990Tractors/Loaders/Backhoes250	250	1.751	14.021	5.008	0.974	0.974	0.758	568.299	0.158	0.014
Tractors/Loaders/Backhoes	1990	1990Tractors/Loaders/Backhoes500	500	1.551	13.298	10.967	0.834	0.834	0.758	568.3	0.139	0.014
Tractors/Loaders/Backhoes	1990	1990Tractors/Loaders/Backhoes750	750	1.551	13.298	10.967	0.85	0.85	1.139	568.299	0.139	0.014
Tractors/Loaders/Backhoes	2000	2000Tractors/Loaders/Backhoes25	25	2.029	6.391	4.66	0.57	0.57	0.065	568.299	0.183	0.014
Tractors/Loaders/Backhoes	2000	2000Tractors/Loaders/Backhoes50	50	4.271	6.964	8.855	0.903	0.903	0.066	568.299	0.385	0.014
Tractors/Loaders/Backhoes	2000	2000Tractors/Loaders/Backhoes120	120	1.738	9.784	4.448	0.862	0.862	0.06	568.299	0.156	0.014
Tractors/Loaders/Backhoes	2000	2000Tractors/Loaders/Backhoes175	175	1.178	9.027	3.534	0.494	0.494	0.057	568.299	0.106	0.014
Tractors/Loaders/Backhoes	2000	2000Tractors/Loaders/Backhoes250	250	0.942	8.625	2.634	0.38	0.38	0.057	568.299	0.085	0.014
Tractors/Loaders/Backhoes	2000	2000Tractors/Loaders/Backhoes500	500	0.863	8.225	3.629	0.339	0.339	0.057	568.299	0.077	0.014
Tractors/Loaders/Backhoes	2000	2000Tractors/Loaders/Backhoes750	750	0.863	8.225	3.629	0.339	0.339	0.059	568.299	0.077	0.014
Tractors/Loaders/Backhoes	2005	2005Tractors/Loaders/Backhoes25	25	1.191	5.648	3.137	0.404	0.404	0.065	568.299	0.107	0.014
Tractors/Loaders/Backhoes	2005	2005Tractors/Loaders/Backhoes50	50	3.667	6.405	8.018	0.819	0.819	0.066	568.299	0.33	0.014
Tractors/Loaders/Backhoes	2005	2005Tractors/Loaders/Backhoes120	120	1.499	8.325	4.22	0.802	0.802	0.06	568.299	0.135	0.014
Tractors/Loaders/Backhoes	2005	2005Tractors/Loaders/Backhoes175	175	0.974	7.629	3.341	0.432	0.432	0.057	568.3	0.087	0.014
Tractors/Loaders/Backhoes	2005	2005Tractors/Loaders/Backhoes250	250	0.659	7.181	1.774	0.256	0.256	0.057	568.3	0.059	0.014
Tractors/Loaders/Backhoes	2005	2005Tractors/Loaders/Backhoes500	500	0.58	6.451	1.993	0.23	0.23	0.057	568.299	0.052	0.014
Tractors/Loaders/Backhoes	2005	2005Tractors/Loaders/Backhoes750	750	0.594	6.656	1.99	0.234	0.234	0.059	568.299	0.053	0.014
Tractors/Loaders/Backhoes	2010	2010Tractors/Loaders/Backhoes25	25	1.592	5.63221	5.95576	0.5610	0.5160	0.0050	569.9866	0.1660	0.015
Tractors/Loaders/Backhoes	2010	2010Tractors/Loaders/Backhoes50	50	1.592	5.63221	5.95576	0.5610	0.5160	0.0050	569.9866	0.1660	0.015
Tractors/Loaders/Backhoes	2010	2010Tractors/Loaders/Backhoes120	120	0.6660	6.31224	3.83197	0.5040	0.4640	0.0050	533.5879	0.1550	0.014
Tractors/Loaders/Backhoes	2010	2010Tractors/Loaders/Backhoes175	175	0.4700	5.68573	3.20391	0.2850	0.2630	0.0050	521.9624	0.1520	0.013
Tractors/Loaders/Backhoes	2010	2010Tractors/Loaders/Backhoes250	250	0.3430	5.58586	1.44044	0.1780	0.1630	0.0050	522.8516	0.1520	0.013
Tractors/Loaders/Backhoes	2010	2010Tractors/Loaders/Backhoes500	500	0.3290	5.18517	2.07689	0.1720	0.1580	0.0050	526.5923	0.1530	0.013
Tractors/Loaders/Backhoes	2010	2010Tractors/Loaders/Backhoes750	750	0.2780	4.39795	1.80487	0.1530	0.1410	0.0050	517.4169	0.1510	0.013
Tractors/Loaders/Backhoes	2011	2011Tractors/Loaders/Backhoes25	25	1.5030	5.58613	5.86306	0.54	0.4970	0.0050	569.4176	0.1660	0.015
Tractors/Loaders/Backhoes	2011	2011Tractors/Loaders/Backhoes50	50	1.5030	5.58613	5.86306	0.54	0.4970	0.0050	569.4176	0.1660	0.015
Tractors/Loaders/Backhoes	2011	2011Tractors/Loaders/Backhoes120	120	0.6440	6.12981	3.83083	0.4910	0.4510	0.0050	531.2907	0.155	0.014
Tractors/Loaders/Backhoes	2011	2011Tractors/Loaders/Backhoes175	175	0.4570	5.49667	3.21464	0.2770	0.2550	0.0050	520.8772	0.152	0.013
Tractors/Loaders/Backhoes	2011	2011Tractors/Loaders/Backhoes250	250	0.3360	5.38873	1.41416	0.1720	0.158	0.0050	521.7143	0.1520	0.013
Tractors/Loaders/Backhoes	2011	2011Tractors/Loaders/Backhoes500	500	0.3220	4.98779	2.01155	0.1670	0.1540	0.0050	525.0356	0.1530	0.013
Tractors/Loaders/Backhoes	2011	2011Tractors/Loaders/Backhoes750	750	0.2830	4.35896	1.80098	0.1530	0.1400	0.0050	516.0241	0.1510	0.013
Tractors/Loaders/Backhoes	2012	2012Tractors/Loaders/Backhoes25	25	1.494	5.57167	5.92961	0.537	0.494	0.0050	568.1171	0.1660	0.014
Tractors/Loaders/Backhoes	2012	2012Tractors/Loaders/Backhoes50	50	1.494	5.57167	5.92961	0.537	0.494	0.0050	568.1171	0.1660	0.014
Tractors/Loaders/Backhoes	2012	2012Tractors/Loaders/Backhoes120	120	0.6430	6.07938	3.85825	0.4900	0.4500	0.0050	529.8013	0.155	0.013
Tractors/Loaders/Backhoes	2012	2012Tractors/Loaders/Backhoes175	175	0.4640	5.48812	3.24733	0.2790	0.257	0.0050	519.5807	0.152	0.013
Tractors/Loaders/Backhoes	2012	2012Tractors/Loaders/Backhoes250	250	0.3430	5.3794	1.42415	0.1730	0.1590	0.0050	520.5233	0.1520	0.013
Tractors/Loaders/Backhoes	2012	2012Tractors/Loaders/Backhoes500	500	0.329	4.9585	2.03631	0.1680	0.1540	0.0050	523.6066	0.1530	0.013
Tractors/Loaders/Backhoes	2012	2012Tractors/Loaders/Backhoes750	750	0.2910	4.30593	1.81138	0.1530	0.1410	0.0050	514.6158	0.1510	0.013
Tractors/Loaders/Backhoes	2013	2013Tractors/Loaders/Backhoes25	25	1.437	5.50692	5.8983	0.5200	0.4780	0.0050	566.4101	0.1670	0.014
Tractors/Loaders/Backhoes	2013	2013Tractors/Loaders/Backhoes50	50	1.437	5.50692	5.8983	0.5200	0.4780	0.0050	566.4101	0.1670	0.014
Tractors/Loaders/Backhoes	2013	2013Tractors/Loaders/Backhoes120	120	0.6190	5.88177	3.85259	0.4680	0.431	0.0050	526.7149	0.1550	0.013
Tractors/Loaders/Backhoes	2013	2013Tractors/Loaders/Backhoes175	175	0.4530	5.32658	3.25593	0.2690	0.2480	0.0050	516.748	0.1520	0.013
Tractors/Loaders/Backhoes	2013	2013Tractors/Loaders/Backhoes250	250	0.3400	5.22143	1.40715	0.168	0.1550	0.0050	517.9916	0.1520	0.013
Tractors/Loaders/Backhoes	2013	2013Tractors/Loaders/Backhoes500	500	0.3250	4.77348	1.98237	0.1620	0.1490	0.0050	520.6472	0.1530	0.013
Tractors/Loaders/Backhoes	2013	2013Tractors/Loaders/Backhoes750	750	0.3000	4.31599	1.8218	0.155	0.1430	0.0050	511.8955	0.1510	0.013
Tractors/Loaders/Backhoes	2014	2014Tractors/Loaders/Backhoes25	25	1.3360	5.36869	5.77182	0.4880	0.4490	0.0050	564.0421	0.1670	0.014
Tractors/Loaders/Backhoes	2014	2014Tractors/Loaders/Backhoes50	50	1.3360	5.36869	5.77182	0.4880	0.4490	0.0050	564.0421	0.1670	0.014
Tractors/Loaders/Backhoes	2014	2014Tractors/Loaders/Backhoes120	120	0.5820	5.58081	3.82724	0.4380	0.4030	0.0050	523.0168	0.1550	0.013
Tractors/Loaders/Backhoes	2014	2014Tractors/Loaders/Backhoes175	175	0.4230	4.93788	3.23863	0.2480	0.2280	0.0050	513.8903	0.1520	0.013
Tractors/Loaders/Backhoes	2014	2014Tractors/Loaders/Backhoes250	250	0.3270	4.92175	1.37555	0.1590	0.146	0.0050	515.1747	0.1520	0.013
Tractors/Loaders/Backhoes	2014	2014Tractors/Loaders/Backhoes500	500	0.3120	4.48819	1.87787	0.1520	0.1400	0.0050	517.1237	0.1530	0.013
Tractors/Loaders/Backhoes	2014	2014Tractors/Loaders/Backhoes750	750	0.3050	4.24344	1.8331	0.1540	0.1410	0.0050	511.3367	0.1510	0.013
Tractors/Loaders/Backhoes	2015	2015Tractors/Loaders/Backhoes25	25	1.3070	5.32019	5.79091	0.477	0.4390	0.0050	558.7085	0.1670	0.014
Tractors/Loaders/Backhoes	2015	2015Tractors/Loaders/Backhoes50	50	1.3070	5.32019	5.79091	0.477	0.4390	0.0050	558.7085	0.1670	0.014
Tractors/Loaders/Backhoes	2015	2015Tractors/Loaders/Backhoes120	120	0.5690	5.4221	3.83198	0.4240	0.3900	0.0050	517.3652	0.1540	0.013
Tractors/Loaders/Backhoes	2015	2015Tractors/Loaders/Backhoes175	175	0.4210	4.83599	3.2559	0.2440	0.2250	0.0050	508.6819	0.1520	0.013
Tractors/Loaders/Backhoes	2015	2015Tractors/Loaders/Backhoes250	250	0.3260	4.7831	1.37366	0.1550	0.1430	0.0050	509.6269	0.1520	0.013
Tractors/Loaders/Backhoes	2015	2015Tractors/Loaders/Backhoes500	500	0.3120	4.34833	1.88403	0.1490	0.1370	0.0050	511.8685	0.1530	0.013
Tractors/Loaders/Backhoes	2015	2015Tractors/Loaders/Backhoes750	750	0.3080	4.1848	1.823	0.152	0.1400	0.0050	506.1469	0.1510	0.013
Tractors/Loaders/Backhoes	2016	2016Tractors/Loaders/Backhoes25	25	1.2500	5.21373	5.74113	0.4550	0.4180	0.0050	553.3996	0.1670	0.014
Tractors/Loaders/Backhoes	2016	2016Tractors/Loaders/Backhoes50	50	1.2500	5.21373	5.74113	0.4550	0.4180	0.0050	553.3996	0.1670	0.014
Tractors/Loaders/Backhoes	2016	2016Tractors/Loaders/Backhoes120	120	0.538	5.14235	3.81146	0.3960	0.3640	0.0050	511.3456	0.1540	0.013
Tractors/Loaders/Backhoes	2016	2016Tractors/Loaders/Backhoes175	175	0.3890	4.37945	3.23229	0.222	0.2040	0.0050	502.6294	0.1520	0.013
Tractors/Loaders/Backhoes	2016	2016Tractors/Loaders/Backhoes250	250	0.3110	4.42611	1.34719	0.1450	0.1330	0.0050	504.4014	0.1520	0.013
Tractors/Loaders/Backhoes	2016	2016Tractors/Loaders/Backhoes500	500	0.2840	3.7866	1.78642	0.131	0.1210	0.0050	505.2698	0.1520	0.013
Tractors/Loaders/Backhoes	2016	2016Tractors/Loaders/Backhoes750	750	0.3000	4.0216	1.67424	0.1440	0.1330	0.0050	500.955	0.1510	0.013
Tractors/Loaders/Backhoes	2017	2017Tractors/Loaders/Backhoes25	25	1.1940	5.10958	5.68921	0.4330	0.3980	0.0050	544.9286	0.167	0.014
Tractors/Loaders/Backhoes	2017	2017Tractors/Loaders/Backhoes50	50	1.1940	5.10958	5.68921	0.4330	0.3980	0.0050	544.9286	0.167	0.014
Tractors/Loaders/Backhoes	2017	2017Tractors/Loaders/Backhoes120	120	0.5000	4.8087	3.7818	0.3620	0.3330	0.0050	502.7952	0.1540	0.013
Tractors/Loaders/Backhoes	2017	2017Tractors/Loaders/Backhoes175	175	0.3540	3.87876	3.19961	0.1970	0.1810	0.0050	493.912	0.1510	0.013
Tractors/Loaders/Backhoes	2017	2017Tractors/Loaders/Backhoes250	250	0.2910	4.04062	1.30369	0.1320	0.1210	0.0050	496.8449	0.1520	0.013
Tractors/Loaders/Backhoes	2017	2017Tractors/Loaders/Backhoes500	500	0.272	3.48988	1.73851	0.122	0.1120	0.0050	497.1129	0.1520	0.013
Tractors/Loaders/Backhoes	2017	2017Tractors/Loaders/Backhoes750	750	0.2960	3.86196	1.64567	0.1390	0.1280	0.0050	492.9529	0.151	0.013
Tractors/Loaders/Backhoes	2018	2018Tractors/Loaders/Backhoes25	25	0.9920	4.76441	5.31043	0.3630	0.3340	0.0050	536.1115	0.1670	0.014
Tractors/Loaders/Backhoes	2018	2018Tractors/Loaders/Backhoes50	50	0.9920	4.76441	5.31043	0.3630	0.3340	0.0050	536.1115	0.1670	0.014
Tractors/Loaders/Backhoes	2018	2018Tractors/Loaders/Backhoes120	120	0.4200	4.15444	3.69155	0.2940	0.2710	0.0050	494.1237	0.1540	0.013
Tractors/Loaders/Backhoes	2018	2018Tractors/Loaders/Backhoes175	175	0.297	3.16806	3.13727	0.1600	0.1470	0.0050	485.7754	0.1510	0.012
Tractors/Loaders/Backhoes	2018	2018Tractors/Loaders/Backhoes250	250	0.2590	3.45965	1.24197	0.1120	0.1030	0.0050	489.4562	0.1520	0.012
Tractors/Loaders/Backhoes	2018	2018Tractors/Loaders/Backhoes500	500	0.2220	2.66877	1.44545	0.0920	0.0850	0.0050	486.2939	0.1510	0.012
Tractors/Loaders/Backhoes	2018	2018Tractors/Loaders/Backhoes750	750	0.2710	3.40235	1.60068	0.1240	0.1140	0.0050	485.0099	0.151	0.012
Tractors/Loaders/Backhoes	2019	2019Tractors/Loaders/Backhoes25	25	0.9200	4.60928	5.20327	0.33	0.3040	0.0050	527.6843	0.167	0.013
Tractors/Loaders/Backhoes	2019	2019Tractors/Loaders/Backhoes50	50	0.9200	4.60928	5.20327	0.33	0.3040	0.0050	527.6843	0.167	0.013
Tractors/Loaders/Backhoes	2019	2019Tractors/Loaders/Backhoes120	120	0.3680	3.69257	3.63777	0.2470	0.2270	0.0050	485.8548	0.1540	0.012
Tractors/Loaders/Backhoes	2019	2019Tractors/Loaders/Backhoes175	175	0.2700	2.78412	3.12158	0.1400	0.1290	0.0050	477.9151	0.1510	0.012
Tractors/Loaders/Backhoes	2019	2019Tractors/Loaders/Backhoes250	250	0.2450	3.14683	1.22027	0.102	0.0940	0.0050	481.4206	0.1520	0.012
Tractors/Loaders/Backhoes	2019	2019Tractors/Loaders/Backhoes500	500	0.206	2.34458	1.38918	0.0820	0.0750	0.0050	479.0826	0.1520	0.012
Tractors/Loaders/Backhoes	2019	2019Tractors/Loaders/Backhoes750	750	0.2620	3.12046	1.6025	0.1170	0.1070	0.0050	478.9216	0.1520	0.012
Tractors/Loaders/Backhoes	2020	2020Tractors/Loaders/Backhoes25	25	0.8300	4.39784	5.03491	0.2880	0.2650	0.0050	515.874	0.1670	0.013
Tractors/Loaders/Backhoes	2020	2020Tractors/Loaders/Backhoes50	50	0.8300	4.39784	5.03491	0.2880	0.2650	0.0050	515.874	0.1670	0.013
Tractors/Loaders/Backhoes	2020	2020Tractors/Loaders/Backhoes120	120	0.331	3.32571	3.60147	0.2100	0.1930	0.0050	475.1543	0.1540	0.012
Tractors/Loaders/Backhoes	2020	2020Tractors/Loaders/Backhoes175	175	0.2460	2.41467	3.10518	0.1220	0.1120	0.0050	467.5132	0.1510	0.012
Tractors/Loaders/Backhoes	2020	2020Tractors/Loaders/Backhoes250	250	0.2250	2.73794	1.19592	0.0900	0.0830	0.0050	470.4998	0.1520	0.012
Tractors/Loaders/Backhoes	2020	2020Tractors/Loaders/Backhoes500	500	0.1940	2.07976	1.35815	0.073	0.0670	0.0050	468.2447	0.1510	0.012
Tractors/Loaders/Backhoes	2020	2020Tractors/Loaders/Backhoes750	750	0.2680	3.11926	1.60984	0.1170	0.108	0.0050	468.6602	0.1520	0.012
Tractors/Loaders/Backhoes	2021	2021Tractors/Loaders/Backhoes25	25	0.756	4.22643	4.90172	0.2540	0.2340	0.0050	515.1213	0.1670	0.013
Tractors/Loaders/Backhoes	2021	2021Tractors/Loaders/Backhoes50	50	0.756	4.22643	4.90172	0.2540	0.2340	0.0050	515.1213	0.1670	0.013
Tractors/Loaders/Backhoes	2021	2021Tractors/Loaders/Backhoes120	120	0.2960	2.995	3.57072	0.1770	0.1620	0.0050	475.3621	0.1540	0.012
Tractors/Loaders/Backhoes	2021	2021Tractors/Loaders/Backhoes175	175	0.221	2.06221	3.0907	0.1040	0.0960	0.0050	467.5285	0.1510	0.012
Tractors/Loaders/Backhoes	2021	2021Tractors/Loaders/Backhoes250	250	0.2090	2.36922	1.18606	0.08	0.0740	0.0050	470.5716	0.1520	0.012
Tractors/Loaders/Backhoes	2021	2021Tractors/Loaders/Backhoes500	500	0.1790	1.776	1.34147	0.064	0.0590	0.0050	469.3025	0.1520	0.012
Tractors/Loaders/Backhoes	2021	2021Tractors/Loaders/Backhoes750	750	0.2470	2.75417	1.43254	0.1040	0.0960	0.0050	466.4564	0.1510	0.012
Tractors/Loaders/Backhoes	2022	2022Tractors/Loaders/Backhoes25	25	0.6880	4.03024	4.75954	0.2180	0.2000	0.0050	514.4613	0.1660	0.013
Tractors/Loaders/Backhoes	2022	2022Tractors/Loaders/Backhoes50	50	0.6880	4.03024	4.75954	0.2180	0.2000	0.0050	514.4613	0.1660	0.013
Tractors/Loaders/Backhoes	2022	2022Tractors/Loaders/Backhoes120	120	0.2600	2.64718	3.53551	0.1420	0.131	0.0050	475.8975	0.1540	0.012
Tractors/Loaders/Backhoes	2022	2022Tractors/Loaders/Backhoes175	175	0.2000	1.75274	3.07944	0.0890	0.082	0.0050	467.8004	0.1510	0.012
Tractors/Loaders/Backhoes	2022	2022Tractors/Loaders/Backhoes250	250	0.187	1.94251	1.16248	0.067	0.0620	0.0050	470.1236	0.152	0.012
Tractors/Loaders/Backhoes	2022	2022Tractors/Loaders/Backhoes500	500	0.1600	1.43694	1.28026	0.0530	0.0490	0.0050	469.2562	0.1520	0.012
Tractors/Loaders/Backhoes	2022	2022Tractors/Loaders/Backhoes750	750	0.2320	2.4532	1.35272	0.0940	0.0870	0.0050	466.6327	0.1510	0.012
Tractors/Loaders/Backhoes	2023	2023Tractors/Loaders/Backhoes25	25	0.6210	3.85698	4.62935	0.1850	0.1700	0.0050	513.7962	0.1660	0.013
Tractors/Loaders/Backhoes	2023	2023Tractors/Loaders/Backhoes50	50	0.6210	3.85698	4.62935	0.1850	0.1700	0.0050	513.7962	0.1660	0.013
Tractors/Loaders/Backhoes	2023	2023Tractors/Loaders/Backhoes120	120	0.2390	2.42607	3.52504	0.1200	0.1100	0.0050	476.4307	0.1540	0.012
Tractors/Loaders/Backhoes	2023	2023Tractors/Loaders/Backhoes175	175	0.1840	1.52095	3.0777	0.0770	0.0700	0.0050	468.821	0.1520	0.012
Tractors/Loaders/Backhoes	2023	2023Tractors/Loaders/Backhoes250	250	0.1690	1.58768	1.14809	0.0580	0.053	0.0050	469.7518	0.1520	0.012
Tractors/Loaders/Backhoes	2023	2023Tractors/Loaders/Backhoes500	500	0.1520	1.24708	1.27923	0.0470	0.0430	0.0050	469.4652	0.1520	0.012
Tractors/Loaders/Backhoes	2023	2023Tractors/Loaders/Backhoes750	750	0.2340	2.41861	1.36081	0.0950	0.0870	0.0050	466.6756	0.1510	0.012
Tractors/Loaders/Backhoes	2024	2024Tractors/Loaders/Backhoes25	25	0.5900	3.76811	4.60899	0.1660	0.1530	0.0050	513.8517	0.1660	0.013
Tractors/Loaders/Backhoes	2024	2024Tractors/Loaders/Backhoes50	50	0.5900	3.76811	4.60899	0.1660	0.1530	0.0050	513.8517	0.1660	0.013
Tractors/Loaders/Backhoes	2024	2024Tractors/Loaders/Backhoes120	120	0.2270	2.28795	3.5318	0.105	0.0970	0.0050	476.7313	0.1540	0.012
Tractors/Loaders/Backhoes	2024	2024Tractors/Loaders/Backhoes175	175	0.176	1.37643	3.08913	0.0680	0.063	0.0050	469.4029	0.1520	0.012
Tractors/Loaders/Backhoes	2024	2024Tractors/Loaders/Backhoes250	250	0.1680	1.49113	1.15125	0.0540	0.0500	0.0050	469.9143	0.152	0.012
Tractors/Loaders/Backhoes	2024	2024Tractors/Loaders/Backhoes500	500	0.1500	1.16321	1.277	0.0440	0.0410	0.0050	470.0841	0.152	0.012
Tractors/Loaders/Backhoes	2024	2024Tractors/Loaders/Backhoes750	750	0.2210	2.21548	1.31051	0.0850	0.0790	0.0050	466.6381	0.1510	0.012
Tractors/Loaders/Backhoes	2025	2025Tractors/Loaders/Backhoes25	25	0.55	3.66186	4.55974	0.145	0.1330	0.0050	513.8025	0.1660	0.013
Tractors/Loaders/Backhoes	2025	2025Tractors/Loaders/Backhoes50	50	0.55	3.66186	4.55974	0.145	0.1330	0.0050	513.8025	0.1660	0.013
Tractors/Loaders/Backhoes	2025	2025Tractors/Loaders/Backhoes120	120	0.2090	2.10918	3.52242	0.0850	0.0790	0.0050	477.188	0.1540	0.012
Tractors/Loaders/Backhoes	2025	2025Tractors/Loaders/Backhoes175	175	0.1620	1.18039	3.08323	0.0580	0.0540	0.0050	469.3289	0.1520	0.012
Tractors/Loaders/Backhoes	2025	2025Tractors/Loaders/Backhoes250	250	0.1540	1.23458	1.14554	0.0470	0.0440	0.0050	470.5976	0.1520	0.012
Tractors/Loaders/Backhoes	2025	2025Tractors/Loaders/Backhoes500	500	0.1440	1.04575	1.23405	0.0390	0.0360	0.0050	470.9102	0.1520	0.012
Tractors/Loaders/Backhoes	2025	2025Tractors/Loaders/Backhoes750	750	0.1870	1.64868	1.26139	0.0670	0.062	0.0050	466.4517	0.1510	0.012
Tractors/Loaders/Backhoes	2030	2030Tractors/Loaders/Backhoes25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Tractors/Loaders/Backhoes	2030	2030Tractors/Loaders/Backhoes50	50	0.539	3.299	4.966	0.033	0.033	0.007	568.299	0.048	0.014
Tractors/Loaders/Backhoes	2030	2030Tractors/Loaders/Backhoes120	120	0.272	1.624	3.705	0.03	0.03	0.006	568.299	0.024	0.014
Tractors/Loaders/Backhoes	2030	2030Tractors/Loaders/Backhoes175	175	0.193	0.485	3.273	0.02	0.02	0.006	568.299	0.017	0.014
Tractors/Loaders/Backhoes	2030	2030Tractors/Loaders/Backhoes250	250	0.183	0.418	1.115	0.014	0.014	0.006	568.299	0.016	0.014
Tractors/Loaders/Backhoes	2030	2030Tractors/Loaders/Backhoes500	500	0.182	0.403	1.066	0.014	0.014	0.006	568.299	0.016	0.014
Tractors/Loaders/Backhoes	2030	2030Tractors/Loaders/Backhoes750	750	0.182	0.407	1.066	0.014	0.014	0.006	568.299	0.016	0.014
Tractors/Loaders/Backhoes	2035	2035Tractors/Loaders/Backhoes25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Tractors/Loaders/Backhoes	2035	2035Tractors/Loaders/Backhoes50	50	0.515	3.244	4.949	0.022	0.022	0.007	568.299	0.046	0.014
Tractors/Loaders/Backhoes	2035	2035Tractors/Loaders/Backhoes120	120	0.258	1.521	3.703	0.02	0.02	0.006	568.299	0.023	0.014

Tractors/Loaders/Backhoes	2035	2035Tractors/Loaders/Backhoes175	175	0.179	0.348	3.275	0.015	0.015	0.006	568.299	0.016	0.014
Tractors/Loaders/Backhoes	2035	2035Tractors/Loaders/Backhoes250	250	0.177	0.331	1.115	0.012	0.012	0.006	568.299	0.016	0.014
Tractors/Loaders/Backhoes	2035	2035Tractors/Loaders/Backhoes500	500	0.177	0.326	1.066	0.012	0.012	0.006	568.299	0.015	0.014
Tractors/Loaders/Backhoes	2035	2035Tractors/Loaders/Backhoes750	750	0.177	0.327	1.066	0.012	0.012	0.006	568.299	0.015	0.014
Tractors/Loaders/Backhoes	2040	2040Tractors/Loaders/Backhoes25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Tractors/Loaders/Backhoes	2040	2040Tractors/Loaders/Backhoes50	50	0.508	3.22	4.946	0.018	0.018	0.007	568.299	0.045	0.014
Tractors/Loaders/Backhoes	2040	2040Tractors/Loaders/Backhoes120	120	0.254	1.485	3.703	0.016	0.016	0.006	568.299	0.022	0.014
Tractors/Loaders/Backhoes	2040	2040Tractors/Loaders/Backhoes175	175	0.175	0.305	3.276	0.012	0.012	0.006	568.299	0.015	0.014
Tractors/Loaders/Backhoes	2040	2040Tractors/Loaders/Backhoes250	250	0.174	0.297	1.116	0.011	0.011	0.006	568.3	0.015	0.014
Tractors/Loaders/Backhoes	2040	2040Tractors/Loaders/Backhoes500	500	0.174	0.297	1.066	0.011	0.011	0.006	568.299	0.015	0.014
Tractors/Loaders/Backhoes	2040	2040Tractors/Loaders/Backhoes750	750	0.174	0.297	1.066	0.011	0.011	0.006	568.299	0.015	0.014
Trenchers	1990	1990Trenchers15	15	1.804	9.999	4.999	0.975	0.975	1.049	568.299	0.162	0.014
Trenchers	1990	1990Trenchers25	25	2.213	6.919	4.999	0.741	0.741	0.855	568.3	0.199	0.014
Trenchers	1990	1990Trenchers50	50	4.535	7.849	9.232	1.215	1.215	0.871	568.3	0.409	0.014
Trenchers	1990	1990Trenchers120	120	2.296	14.752	5.621	1.284	1.284	0.791	568.299	0.207	0.014
Trenchers	1990	1990Trenchers175	175	1.748	14.125	5.014	0.96	0.96	0.758	568.299	0.157	0.014
Trenchers	1990	1990Trenchers250	250	1.748	14.125	5.014	0.96	0.96	0.758	568.299	0.157	0.014
Trenchers	1990	1990Trenchers500	500	1.553	13.45	10.572	0.827	0.827	0.662	568.299	0.14	0.014
Trenchers	1990	1990Trenchers750	750	1.553	13.45	10.572	0.843	0.843	1.018	568.299	0.14	0.014
Trenchers	2000	2000Trenchers15	15	1.325	7.675	4.257	0.61	0.61	0.079	568.299	0.119	0.014
Trenchers	2000	2000Trenchers25	25	1.908	6.326	4.438	0.555	0.555	0.065	568.299	0.172	0.014
Trenchers	2000	2000Trenchers50	50	4.216	7.029	8.713	0.89	0.89	0.066	568.299	0.38	0.014
Trenchers	2000	2000Trenchers120	120	1.893	10.98	4.777	0.882	0.882	0.06	568.299	0.17	0.014
Trenchers	2000	2000Trenchers175	175	1.296	10.057	3.969	0.541	0.541	0.057	568.299	0.116	0.014
Trenchers	2000	2000Trenchers250	250	1.151	9.8	3.402	0.474	0.474	0.057	568.299	0.103	0.014
Trenchers	2000	2000Trenchers500	500	1.042	9.354	6.221	0.416	0.416	0.05	568.299	0.094	0.014
Trenchers	2000	2000Trenchers750	750	1.042	9.354	6.221	0.416	0.416	0.052	568.299	0.094	0.014
Trenchers	2005	2005Trenchers15	15	0.742	4.981	3.469	0.35	0.35	0.079	568.299	0.066	0.014
Trenchers	2005	2005Trenchers25	25	0.849	5.321	2.519	0.333	0.333	0.065	568.3	0.076	0.014
Trenchers	2005	2005Trenchers50	50	3.921	6.674	8.33	0.849	0.849	0.066	568.299	0.353	0.014
Trenchers	2005	2005Trenchers120	120	1.698	9.727	4.526	0.839	0.839	0.06	568.299	0.153	0.014
Trenchers	2005	2005Trenchers175	175	1.126	8.861	3.695	0.487	0.487	0.057	568.299	0.101	0.014
Trenchers	2005	2005Trenchers250	250	0.92	8.545	2.668	0.379	0.379	0.057	568.299	0.083	0.014
Trenchers	2005	2005Trenchers500	500	0.812	7.903	4.395	0.332	0.332	0.05	568.299	0.073	0.014
Trenchers	2005	2005Trenchers750	750	0.822	8.023	4.387	0.333	0.333	0.052	568.299	0.074	0.014
Trenchers	2010	2010Trenchers15	15	1.2870	5.52761	5.11336	0.509	0.4680	0.0050	586.297	0.1710	0.015
Trenchers	2010	2010Trenchers25	25	1.2870	5.52761	5.11336	0.509	0.4680	0.0050	586.297	0.1710	0.015
Trenchers	2010	2010Trenchers50	50	1.2870	5.52761	5.11336	0.509	0.4680	0.0050	586.297	0.1710	0.015
Trenchers	2010	2010Trenchers120	120	0.9240	7.99924	4.07421	0.6200	0.5710	0.0050	529.306	0.1540	0.013
Trenchers	2010	2010Trenchers175	175	0.7750	8.65095	3.7406	0.441	0.4060	0.0050	519.6876	0.1510	0.013
Trenchers	2010	2010Trenchers250	250	0.5930	7.86432	2.36576	0.3140	0.2880	0.0050	527.3537	0.1540	0.013
Trenchers	2010	2010Trenchers500	500	0.3200	4.85363	2.10547	0.1760	0.1620	0.0050	523.7828	0.1520	0.013
Trenchers	2010	2010Trenchers750	750	0.1640	3.20501	1.33412	0.1130	0.1040	0.0050	525.788	0.153	0.013
Trenchers	2011	2011Trenchers15	15	1.2770	5.52336	5.14932	0.5070	0.4670	0.0050	585.033	0.1710	0.015
Trenchers	2011	2011Trenchers25	25	1.2770	5.52336	5.14932	0.5070	0.4670	0.0050	585.033	0.1710	0.015
Trenchers	2011	2011Trenchers50	50	1.2770	5.52336	5.14932	0.5070	0.4670	0.0050	585.033	0.1710	0.015
Trenchers	2011	2011Trenchers120	120	0.8780	7.67483	4.02646	0.5980	0.5500	0.0050	527.7187	0.154	0.013
Trenchers	2011	2011Trenchers175	175	0.7700	8.56359	3.73004	0.4380	0.4030	0.0050	518.4008	0.1510	0.013
Trenchers	2011	2011Trenchers250	250	0.5510	7.41222	2.19702	0.2900	0.267	0.0050	525.9543	0.1530	0.013
Trenchers	2011	2011Trenchers500	500	0.3130	4.66474	2.04569	0.1710	0.1580	0.0050	522.8418	0.1530	0.013
Trenchers	2011	2011Trenchers750	750	0.1520	2.67369	1.33856	0.0970	0.0890	0.0050	525.691	0.1530	0.013
Trenchers	2012	2012Trenchers15	15	1.2980	5.53504	5.24421	0.5120	0.4710	0.0050	583.5639	0.1710	0.015
Trenchers	2012	2012Trenchers25	25	1.2980	5.53504	5.24421	0.5120	0.4710	0.0050	583.5639	0.1710	0.015
Trenchers	2012	2012Trenchers50	50	1.2980	5.53504	5.24421	0.5120	0.4710	0.0050	583.5639	0.1710	0.015
Trenchers	2012	2012Trenchers120	120	0.8850	7.69459	4.05076	0.6040	0.5560	0.0050	526.3562	0.154	0.013
Trenchers	2012	2012Trenchers175	175	0.7630	8.45762	3.7162	0.436	0.4010	0.0050	517.1147	0.1510	0.013
Trenchers	2012	2012Trenchers250	250	0.5570	7.44867	2.20863	0.2930	0.2700	0.0050	524.572	0.1530	0.013
Trenchers	2012	2012Trenchers500	500	0.3100	4.58546	2.03349	0.1680	0.1550	0.0050	521.6264	0.1530	0.013
Trenchers	2012	2012Trenchers750	750	0.1140	2.04792	0.95532	0.0690	0.0640	0.0050	524.8533	0.1540	0.013
Trenchers	2013	2013Trenchers15	15	1.2920	5.51013	5.2883	0.5090	0.4690	0.0050	580.7693	0.1710	0.015
Trenchers	2013	2013Trenchers25	25	1.2920	5.51013	5.2883	0.5090	0.4690	0.0050	580.7693	0.1710	0.015
Trenchers	2013	2013Trenchers50	50	1.2920	5.51013	5.2883	0.5090	0.4690	0.0050	580.7693	0.1710	0.015
Trenchers	2013	2013Trenchers120	120	0.8490	7.45031	4.02389	0.5820	0.5360	0.0050	523.4236	0.1540	0.013
Trenchers	2013	2013Trenchers175	175	0.77	8.49431	3.73732	0.4410	0.4060	0.0050	514.53	0.1510	0.013
Trenchers	2013	2013Trenchers250	250	0.5270	7.03951	2.13383	0.2760	0.254	0.0050	520.4335	0.153	0.013
Trenchers	2013	2013Trenchers500	500	0.3160	4.60225	2.04997	0.1700	0.1560	0.0050	519.043	0.1530	0.013
Trenchers	2013	2013Trenchers750	750	0.1210	2.05561	0.96183	0.0700	0.0650	0.0050	522.2778	0.1540	0.013
Trenchers	2014	2014Trenchers15	15	1.2680	5.45539	5.29329	0.5010	0.4600	0.0050	577.7275	0.1710	0.015
Trenchers	2014	2014Trenchers25	25	1.2680	5.45539	5.29329	0.5010	0.4600	0.0050	577.7275	0.1710	0.015
Trenchers	2014	2014Trenchers50	50	1.2680	5.45539	5.29329	0.5010	0.4600	0.0050	577.7275	0.1710	0.015
Trenchers	2014	2014Trenchers120	120	0.8180	7.2172	3.99876	0.5630	0.5180	0.0050	520.7658	0.1540	0.013
Trenchers	2014	2014Trenchers175	175	0.6930	7.69921	3.66799	0.3950	0.3640	0.0050	512.1475	0.1510	0.013
Trenchers	2014	2014Trenchers250	250	0.4970	6.48427	2.07009	0.2580	0.2370	0.0050	517.7188	0.153	0.013
Trenchers	2014	2014Trenchers500	500	0.3060	4.37019	2.03515	0.1610	0.1480	0.0050	513.7439	0.1520	0.013
Trenchers	2014	2014Trenchers750	750	0.1180	1.825	0.96403	0.0610	0.0560	0.0050	519.6576	0.1540	0.013
Trenchers	2015	2015Trenchers15	15	1.2590	5.40567	5.32346	0.4930	0.4540	0.0050	571.6674	0.1710	0.015
Trenchers	2015	2015Trenchers25	25	1.2590	5.40567	5.32346	0.4930	0.4540	0.0050	571.6674	0.1710	0.015
Trenchers	2015	2015Trenchers50	50	1.2590	5.40567	5.32346	0.4930	0.4540	0.0050	571.6674	0.1710	0.015
Trenchers	2015	2015Trenchers120	120	0.8170	7.17857	4.01434	0.5620	0.5170	0.0050	515.3955	0.1540	0.013
Trenchers	2015	2015Trenchers175	175	0.697	7.67382	3.68389	0.3960	0.3640	0.0050	506.9434	0.1510	0.013
Trenchers	2015	2015Trenchers250	250	0.5020	6.50988	2.0797	0.26	0.2390	0.0050	512.4325	0.153	0.013
Trenchers	2015	2015Trenchers500	500	0.3110	4.38344	2.05093	0.1630	0.1500	0.0050	508.3296	0.1520	0.013
Trenchers	2015	2015Trenchers750	750	0.1140	1.62336	0.96532	0.0530	0.0490	0.0050	514.4002	0.1540	0.013
Trenchers	2016	2016Trenchers15	15	1.2190	5.29818	5.28497	0.4750	0.4370	0.0050	565.9942	0.1710	0.014
Trenchers	2016	2016Trenchers25	25	1.2190	5.29818	5.28497	0.4750	0.4370	0.0050	565.9942	0.1710	0.014
Trenchers	2016	2016Trenchers50	50	1.2190	5.29818	5.28497	0.4750	0.4370	0.0050	565.9942	0.1710	0.014
Trenchers	2016	2016Trenchers120	120	0.788	6.90219	3.98822	0.5410	0.498	0.0050	509.9027	0.1540	0.013
Trenchers	2016	2016Trenchers175	175	0.5820	6.50303	3.50717	0.3280	0.3020	0.0050	501.7809	0.1510	0.013
Trenchers	2016	2016Trenchers250	250	0.4870	6.31168	2.03007	0.2510	0.2310	0.0050	507.1448	0.153	0.013
Trenchers	2016	2016Trenchers500	500	0.2960	4.09912	1.96649	0.1500	0.1380	0.0050	504.4103	0.1520	0.013
Trenchers	2016	2016Trenchers750	750	0.1200	1.63008	0.97148	0.0540	0.0500	0.0050	509.1433	0.1540	0.013
Trenchers	2017	2017Trenchers15	15	1.1490	5.16614	5.19682	0.4490	0.4130	0.0050	557.4601	0.1710	0.014
Trenchers	2017	2017Trenchers25	25	1.1490	5.16614	5.19682	0.4490	0.4130	0.0050	557.4601	0.1710	0.014
Trenchers	2017	2017Trenchers50	50	1.1490	5.16614	5.19682	0.4490	0.4130	0.0050	557.4601	0.1710	0.014
Trenchers	2017	2017Trenchers120	120	0.7620	6.67876	3.96827	0.5230	0.4810	0.0050	501.9916	0.1540	0.013
Trenchers	2017	2017Trenchers175	175	0.5360	5.92725	3.43391	0.3000	0.2760	0.0050	493.7642	0.1510	0.013
Trenchers	2017	2017Trenchers250	250	0.4860	6.19428	2.03655	0.2500	0.2300	0.0050	499.2281	0.153	0.013
Trenchers	2017	2017Trenchers500	500	0.2650	3.44157	1.96603	0.1290	0.1190	0.0050	497.0197	0.1520	0.013
Trenchers	2017	2017Trenchers750	750	0.1140	1.42958	0.97168	0.0460	0.0420	0.0050	501.1831	0.1540	0.013
Trenchers	2018	2018Trenchers15	15	1.0390	4.95997	5.01831	0.4090	0.3770	0.0050	548.3607	0.1710	0.014
Trenchers	2018	2018Trenchers25	25	1.0390	4.95997	5.01831	0.4090	0.3770	0.0050	548.3607	0.1710	0.014
Trenchers	2018	2018Trenchers50	50	1.0390	4.95997	5.01831	0.4090	0.3770	0.0050	548.3607	0.1710	0.014
Trenchers	2018	2018Trenchers120	120	0.6580	5.91527	3.85487	0.45	0.414	0.0050	493.715	0.1540	0.013
Trenchers	2018	2018Trenchers175	175	0.4700	5.12742	3.33134	0.2610	0.2400	0.0050	485.9254	0.1510	0.012
Trenchers	2018	2018Trenchers250	250	0.419	5.29554	1.84856	0.2120	0.1950	0.0050	491.5649	0.153	0.013
Trenchers	2018	2018Trenchers500	500	0.256	3.21114	1.97444	0.1210	0.1120	0.0050	489.6281	0.1520	0.012
Trenchers	2018	2018Trenchers750	750	0.094	1.02523	0.96632	0.0290	0.0260	0.0050	494.6426	0.154	0.013
Trenchers	2019	2019Trenchers15	15	0.9550	4.78464	4.89183	0.3770	0.3470	0.0050	539.1037	0.1710	0.014
Trenchers	2019	2019Trenchers25	25	0.9550	4.78464	4.89183	0.3770	0.3470	0.0050	539.1037	0.1710	0.014
Trenchers	2019	2019Trenchers50	50	0.9550	4.78464	4.89183	0.3770	0.3470	0.0050	539.1037	0.1710	0.014
Trenchers	2019	2019Trenchers120	120	0.6310	5.69508	3.83677	0.4310	0.3960	0.0050	485.3635	0.1540	0.012
Trenchers	2019	2019Trenchers175	175	0.4600	4.95976	3.34151	0.2550	0.2340	0.0050	478.1294	0.1510	0.012
Trenchers	2019	2019Trenchers250	250	0.4050	5.04653	1.81019	0.2030	0.187	0.0050	484.1167	0.1530	0.012
Trenchers	2019	2019Trenchers500	500	0.2540	3.12824	1.98689	0.1180	0.1090	0.0050	482.1648	0.1530	0.012
Trenchers	2019	2019Trenchers750	750	0.0780	0.70662	0.95644	0.0150	0.014	0.0050	484.5422	0.1530	0.012
Trenchers	2020	2020Trenchers15	15	0.9050	4.67651	4.8331	0.3560	0.3280	0.0050	527.0962	0.1700	0.013
Trenchers	2020	2020Trenchers25	25	0.9050	4.67651	4.8331	0.3560	0.3280	0.0050	527.0962	0.1700	0.013
Trenchers	2020	2020Trenchers50	50	0.9050	4.67651	4.8331	0.3560	0.3280	0.0050	527.0962	0.1700	0.013
Trenchers	2020	2020Trenchers120	120	0.6100	5.51952	3.83272	0.4130	0.3800	0.0050	475.1265	0.1540	0.012
Trenchers	2020	2020Trenchers175	175	0.4210	4.46042	3.32968	0.2280	0.2100	0.0050	467.7348	0.1510	0.012
Trenchers	2020	2020Trenchers250	250	0.392	4.8091	1.77405	0.1950	0.1790	0.0050	473.5951	0.1530	0.012
Trenchers	2020	2020Trenchers500	500	0.2330	2.775	1.85932	0.1050	0.0970	0.0050	470.6367	0.1520	0.012
Trenchers	2020	2020Trenchers750	750	0.0700	0.56006	0.95004	0.009	0.0080	0.0050	472.6556	0.1530	0.012
Trenchers	2021	2021Trenchers15	15	0.809	4.45891	4.66576	0.3130	0.2880	0.0050	527.0165	0.1700	0.013
Trenchers	2021	2021Trenchers25	25	0.809	4.45891	4.66576	0.3130	0.2880	0.0050	527.0165	0.1700	0.013
Trenchers	2021	2021Trenchers50	50	0.809	4.45891	4.66576	0.3130	0.2880	0.0050	527.0165	0.1700	0.013
Trenchers	2021	2021Trenchers120	120	0.556	5.10594	3.78912	0.3710	0.3410	0.0050	475.287	0.1540	0.012
Trenchers	2021	2021Trenchers175	175	0.4070	4.27237	3.30363	0.2190	0.2010	0.0050	467.7343	0.1510	0.012
Trenchers	2021	2021Trenchers250	250	0.3560	4.36036	1.66826	0.1720	0.1580	0.0050	473.8538	0.1530	0.012
Trenchers	2021	2021Trenchers500	500	0.2210	2.49105	1.86493	0.1000	0.0920	0.0050	470.701	0.1520	0.012
Trenchers	2021	2021Trenchers750	750	0.0660	0.47513	0.94677	0.009	0.0080	0.0050	472.5289	0.1530	0.012
Trenchers	2022	2022Trenchers15	15	0.7220	4.26873	4.51833	0.2750	0.2530	0.0050	527.0258	0.1700	0.013
Trenchers	2022	2022Trenchers25	25	0.7220	4.26873	4.51833	0.2750	0.2530	0.0050	527.0258	0.1700	0.013
Trenchers	2022	2022Trenchers50	50	0.7220	4.26873	4.51833	0.2750	0.2530	0.0050	527.0258	0.1700	0.013
Trenchers	2022	2022Trenchers120	120	0.529	4.91345	3.77843	0.3480	0.3200	0.0050	475.3262	0.1540	0.012
Trenchers	2022	2022Trenchers175	175	0.3950	4.10333	3.31289	0.2110	0.1950	0.0050	467.7337	0.1510	0.012
Trenchers	2022	2022Trenchers250	250	0.3350	3.85292	1.66329	0.1600	0.1480	0.0050	473.8512	0.1530	0.012
Trenchers	2022	2022Trenchers500	500	0.2120	2.21226	1.87233	0.0940	0.0860	0.0050	470.5845	0.1520	0.012
Trenchers	2022	2022Trenchers750	750	0.0570	0.30138	0.94489	0.0090	0.0080	0.0050	474.2887	0.1530	0.012
Trenchers	2023	2023Trenchers15	15	0.6420	3.95873	4.30164	0.22	0.2020	0.0050	527.0954	0.1700	0.013
Trenchers	2023	2023Trenchers25	25	0.6420	3.95873	4.30164	0.22	0.2020	0.0050	527.0954	0.1700	0.013
Trenchers	2023	2023Trenchers50	50	0.6420	3.95873	4.30164	0.22	0.2020	0.0050	527.0954	0.1700	0.013

Trenchers	2023	2023Trenchers120	120	0.504	4.70045	3.76842	0.3260	0.3	0.0050	475.6903	0.1540	0.012
Trenchers	2023	2023Trenchers175	175	0.3590	3.65725	3.29061	0.1850	0.1710	0.0050	467.7332	0.1510	0.012
Trenchers	2023	2023Trenchers250	250	0.3280	3.7365	1.6386	0.1550	0.1430	0.0050	473.8485	0.1530	0.012
Trenchers	2023	2023Trenchers500	500	0.1990	2.00504	1.72273	0.0850	0.0780	0.0050	471.6125	0.1530	0.012
Trenchers	2023	2023Trenchers750	750	0.0600	0.30278	0.95111	0.009	0.0080	0.0050	474.4705	0.1530	0.012
Trenchers	2024	2024Trenchers15	15	0.6010	3.83415	4.23326	0.1970	0.1810	0.0050	527.0216	0.1700	0.013
Trenchers	2024	2024Trenchers25	25	0.6010	3.83415	4.23326	0.1970	0.1810	0.0050	527.0216	0.1700	0.013
Trenchers	2024	2024Trenchers50	50	0.6010	3.83415	4.23326	0.1970	0.1810	0.0050	527.0216	0.1700	0.013
Trenchers	2024	2024Trenchers120	120	0.4940	4.59319	3.76854	0.3180	0.2920	0.0050	475.6324	0.1540	0.012
Trenchers	2024	2024Trenchers175	175	0.3640	3.66715	3.31073	0.1870	0.1720	0.0050	467.7326	0.1510	0.012
Trenchers	2024	2024Trenchers250	250	0.3120	3.48285	1.59847	0.1450	0.1340	0.0050	473.8455	0.1530	0.012
Trenchers	2024	2024Trenchers500	500	0.1920	1.85871	1.66789	0.0800	0.0740	0.0050	469.9942	0.152	0.012
Trenchers	2024	2024Trenchers750	750	0.0640	0.30435	0.95838	0.0090	0.0080	0.0050	474.4782	0.1530	0.012
Trenchers	2025	2025Trenchers15	15	0.542	3.65681	4.11956	0.163	0.1500	0.0050	527.1603	0.1700	0.013
Trenchers	2025	2025Trenchers25	25	0.542	3.65681	4.11956	0.163	0.1500	0.0050	527.1603	0.1700	0.013
Trenchers	2025	2025Trenchers50	50	0.542	3.65681	4.11956	0.163	0.1500	0.0050	527.1603	0.1700	0.013
Trenchers	2025	2025Trenchers120	120	0.4570	4.279	3.73437	0.285	0.2620	0.0050	475.9014	0.1540	0.012
Trenchers	2025	2025Trenchers175	175	0.3580	3.54907	3.30907	0.1790	0.1650	0.0050	467.732	0.1510	0.012
Trenchers	2025	2025Trenchers250	250	0.3070	3.31521	1.60076	0.144	0.1320	0.0050	473.9168	0.1530	0.012
Trenchers	2025	2025Trenchers500	500	0.191	1.82613	1.67595	0.0790	0.0720	0.0050	470.4394	0.1520	0.012
Trenchers	2025	2025Trenchers750	750	0.0670	0.30526	0.96233	0.0090	0.0080	0.0050	474.4863	0.1530	0.012
Trenchers	2030	2030Trenchers15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Trenchers	2030	2030Trenchers25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Trenchers	2030	2030Trenchers50	50	0.851	3.835	5.208	0.144	0.144	0.007	568.299	0.076	0.014
Trenchers	2030	2030Trenchers120	120	0.409	2.559	3.743	0.132	0.132	0.006	568.299	0.036	0.014
Trenchers	2030	2030Trenchers175	175	0.3	1.529	3.273	0.08	0.08	0.006	568.3	0.027	0.014
Trenchers	2030	2030Trenchers250	250	0.256	1.348	1.188	0.049	0.049	0.006	568.3	0.023	0.014
Trenchers	2030	2030Trenchers500	500	0.249	1.231	1.209	0.046	0.046	0.005	568.299	0.022	0.014
Trenchers	2030	2030Trenchers750	750	0.249	1.254	1.209	0.047	0.047	0.005	568.299	0.022	0.014
Trenchers	2035	2035Trenchers15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Trenchers	2035	2035Trenchers25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Trenchers	2035	2035Trenchers50	50	0.681	3.548	5.055	0.084	0.084	0.007	568.299	0.061	0.014
Trenchers	2035	2035Trenchers120	120	0.332	2.049	3.713	0.076	0.076	0.006	568.3	0.03	0.014
Trenchers	2035	2035Trenchers175	175	0.241	0.966	3.264	0.048	0.048	0.006	568.299	0.021	0.014
Trenchers	2035	2035Trenchers250	250	0.216	0.847	1.149	0.031	0.031	0.006	568.299	0.019	0.014
Trenchers	2035	2035Trenchers500	500	0.213	0.79	1.126	0.029	0.029	0.005	568.299	0.019	0.014
Trenchers	2035	2035Trenchers750	750	0.213	0.801	1.126	0.029	0.029	0.005	568.3	0.019	0.014
Trenchers	2040	2040Trenchers15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Trenchers	2040	2040Trenchers25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Trenchers	2040	2040Trenchers50	50	0.598	3.374	4.98	0.052	0.052	0.007	568.299	0.054	0.014
Trenchers	2040	2040Trenchers120	120	0.293	1.767	3.699	0.047	0.047	0.006	568.299	0.026	0.014
Trenchers	2040	2040Trenchers175	175	0.207	0.639	3.26	0.03	0.03	0.006	568.3	0.018	0.014
Trenchers	2040	2040Trenchers250	250	0.193	0.573	1.126	0.02	0.02	0.006	568.3	0.017	0.014
Trenchers	2040	2040Trenchers500	500	0.191	0.542	1.081	0.02	0.02	0.005	568.3	0.017	0.014
Trenchers	2040	2040Trenchers750	750	0.191	0.549	1.081	0.02	0.02	0.005	568.299	0.017	0.014
Welders	1990	1990Welders15	15	1.804	9.999	4.999	0.974	0.974	1.018	568.299	0.162	0.014
Welders	1990	1990Welders25	25	2.213	6.919	4.999	0.74	0.74	0.83	568.299	0.199	0.014
Welders	1990	1990Welders50	50	3.899	7.611	8.078	1.085	1.085	0.846	568.3	0.351	0.014
Welders	1990	1990Welders120	120	2.107	13.999	5.312	1.146	1.146	0.768	568.3	0.19	0.014
Welders	1990	1990Welders175	175	1.442	12.598	4.703	0.761	0.761	0.736	568.299	0.13	0.014
Welders	1990	1990Welders250	250	1.442	12.598	4.703	0.761	0.761	0.736	568.299	0.13	0.014
Welders	1990	1990Welders500	500	1.304	12.141	8.704	0.672	0.672	0.642	568.3	0.117	0.014
Welders	2000	2000Welders15	15	1.723	9.08	4.875	0.747	0.747	0.079	568.299	0.155	0.014
Welders	2000	2000Welders25	25	2.095	6.405	4.783	0.569	0.569	0.065	568.299	0.189	0.014
Welders	2000	2000Welders50	50	3.664	6.797	7.708	0.803	0.803	0.066	568.299	0.33	0.014
Welders	2000	2000Welders120	120	1.704	10.046	4.433	0.791	0.791	0.06	568.3	0.153	0.014
Welders	2000	2000Welders175	175	1.14	9.126	3.61	0.468	0.468	0.057	568.299	0.102	0.014
Welders	2000	2000Welders250	250	0.954	8.783	2.869	0.384	0.384	0.057	568.299	0.086	0.014
Welders	2000	2000Welders500	500	0.878	8.466	4.719	0.344	0.344	0.05	568.299	0.079	0.014
Welders	2005	2005Welders15	15	1.394	7.817	4.38	0.621	0.621	0.079	568.299	0.125	0.014
Welders	2005	2005Welders25	25	1.622	6.014	3.922	0.483	0.483	0.065	568.299	0.146	0.014
Welders	2005	2005Welders50	50	3.264	6.342	7.144	0.746	0.746	0.066	568.299	0.294	0.014
Welders	2005	2005Welders120	120	1.459	8.459	4.096	0.733	0.733	0.06	568.299	0.131	0.014
Welders	2005	2005Welders175	175	0.953	7.736	3.26	0.405	0.405	0.057	568.299	0.086	0.014
Welders	2005	2005Welders250	250	0.682	7.302	1.941	0.268	0.268	0.057	568.299	0.061	0.014
Welders	2005	2005Welders500	500	0.606	6.755	2.566	0.241	0.241	0.05	568.299	0.054	0.014
Welders	2010	2010Welders15	15	1.124	6.554	4.027	0.473	0.473	0.008	568.3	0.101	0.014
Welders	2010	2010Welders25	25	1.267	5.477	3.309	0.384	0.384	0.007	568.299	0.114	0.014
Welders	2010	2010Welders50	50	2.658	5.944	6.571	0.623	0.623	0.007	568.299	0.239	0.014
Welders	2010	2010Welders120	120	1.149	6.999	3.928	0.61	0.61	0.006	568.299	0.103	0.014
Welders	2010	2010Welders175	175	0.762	6.255	3.185	0.338	0.338	0.006	568.299	0.068	0.014
Welders	2010	2010Welders250	250	0.496	5.857	1.433	0.189	0.189	0.006	568.299	0.044	0.014
Welders	2010	2010Welders500	500	0.445	5.26	1.621	0.174	0.174	0.005	568.299	0.04	0.014
Welders	2011	2011Welders15	15	1.067	6.283	3.952	0.441	0.441	0.008	568.299	0.096	0.014
Welders	2011	2011Welders25	25	1.192	5.36	3.179	0.361	0.361	0.007	568.3	0.107	0.014
Welders	2011	2011Welders50	50	2.488	5.85	6.392	0.593	0.593	0.007	568.299	0.224	0.014
Welders	2011	2011Welders120	120	1.077	6.632	3.891	0.584	0.584	0.006	568.3	0.097	0.014
Welders	2011	2011Welders175	175	0.719	5.91	3.173	0.325	0.325	0.006	568.299	0.064	0.014
Welders	2011	2011Welders250	250	0.457	5.462	1.34	0.17	0.17	0.006	568.299	0.041	0.014
Welders	2011	2011Welders500	500	0.411	4.886	1.473	0.157	0.157	0.005	568.299	0.037	0.014
Welders	2012	2012Welders15	15	1.007	5.999	3.874	0.407	0.407	0.008	568.299	0.09	0.014
Welders	2012	2012Welders25	25	1.113	5.239	3.043	0.337	0.337	0.007	568.299	0.1	0.014
Welders	2012	2012Welders50	50	2.299	5.749	6.185	0.56	0.56	0.007	568.299	0.207	0.014
Welders	2012	2012Welders120	120	1.001	6.232	3.852	0.549	0.549	0.006	568.299	0.09	0.014
Welders	2012	2012Welders175	175	0.673	5.543	3.161	0.303	0.303	0.006	568.299	0.06	0.014
Welders	2012	2012Welders250	250	0.427	5.087	1.281	0.154	0.154	0.006	568.299	0.038	0.014
Welders	2012	2012Welders500	500	0.386	4.532	1.369	0.144	0.144	0.005	568.299	0.034	0.014
Welders	2013	2013Welders15	15	0.948	5.716	3.796	0.373	0.373	0.008	568.299	0.085	0.014
Welders	2013	2013Welders25	25	1.034	5.117	2.907	0.314	0.314	0.007	568.299	0.093	0.014
Welders	2013	2013Welders50	50	2.101	5.526	5.967	0.517	0.517	0.007	568.299	0.189	0.014
Welders	2013	2013Welders120	120	0.925	5.836	3.813	0.507	0.507	0.006	568.3	0.083	0.014
Welders	2013	2013Welders175	175	0.627	5.195	3.151	0.279	0.279	0.006	568.299	0.056	0.014
Welders	2013	2013Welders250	250	0.402	4.723	1.241	0.141	0.141	0.006	568.299	0.036	0.014
Welders	2013	2013Welders500	500	0.365	4.191	1.291	0.131	0.131	0.005	568.299	0.032	0.014
Welders	2014	2014Welders15	15	0.891	5.445	3.723	0.341	0.341	0.008	568.3	0.08	0.014
Welders	2014	2014Welders25	25	0.96	5	2.78	0.291	0.291	0.007	568.299	0.086	0.014
Welders	2014	2014Welders50	50	1.9	5.308	5.749	0.473	0.473	0.007	568.3	0.171	0.014
Welders	2014	2014Welders120	120	0.849	5.481	3.774	0.464	0.464	0.006	568.299	0.076	0.014
Welders	2014	2014Welders175	175	0.581	4.862	3.141	0.255	0.255	0.006	568.299	0.052	0.014
Welders	2014	2014Welders250	250	0.376	4.297	1.207	0.128	0.128	0.006	568.299	0.034	0.014
Welders	2014	2014Welders500	500	0.343	3.788	1.227	0.119	0.119	0.005	568.299	0.031	0.014
Welders	2015	2015Welders15	15	0.84	5.196	3.658	0.311	0.311	0.008	568.299	0.075	0.014
Welders	2015	2015Welders25	25	0.894	4.89	2.666	0.27	0.27	0.007	568.299	0.08	0.014
Welders	2015	2015Welders50	50	1.715	5.113	5.562	0.43	0.43	0.007	568.3	0.154	0.014
Welders	2015	2015Welders120	120	0.772	5.077	3.738	0.419	0.419	0.006	568.299	0.069	0.014
Welders	2015	2015Welders175	175	0.532	4.408	3.133	0.23	0.23	0.006	568.299	0.048	0.014
Welders	2015	2015Welders250	250	0.352	3.88	1.178	0.116	0.116	0.006	568.299	0.031	0.014
Welders	2015	2015Welders500	500	0.324	3.398	1.176	0.108	0.108	0.005	568.299	0.029	0.014
Welders	2016	2016Welders15	15	0.809	5.023	3.622	0.289	0.289	0.008	568.299	0.073	0.014
Welders	2016	2016Welders25	25	0.855	4.803	2.604	0.255	0.255	0.007	568.299	0.077	0.014
Welders	2016	2016Welders50	50	1.54	4.936	5.395	0.389	0.389	0.007	568.299	0.138	0.014
Welders	2016	2016Welders120	120	0.699	4.692	3.705	0.375	0.375	0.006	568.3	0.063	0.014
Welders	2016	2016Welders175	175	0.486	3.973	3.128	0.206	0.206	0.006	568.299	0.043	0.014
Welders	2016	2016Welders250	250	0.33	3.481	1.153	0.104	0.104	0.006	568.299	0.029	0.014
Welders	2016	2016Welders500	500	0.306	3.032	1.134	0.097	0.097	0.005	568.299	0.027	0.014
Welders	2017	2017Welders15	15	0.786	4.887	3.599	0.272	0.272	0.008	568.299	0.07	0.014
Welders	2017	2017Welders25	25	0.83	4.729	2.564	0.243	0.243	0.007	568.299	0.074	0.014
Welders	2017	2017Welders50	50	1.372	4.768	5.239	0.35	0.35	0.007	568.299	0.123	0.014
Welders	2017	2017Welders120	120	0.63	4.328	3.675	0.332	0.332	0.006	568.299	0.056	0.014
Welders	2017	2017Welders175	175	0.442	3.562	3.124	0.183	0.183	0.006	568.299	0.039	0.014
Welders	2017	2017Welders250	250	0.31	3.105	1.133	0.094	0.094	0.006	568.299	0.028	0.014
Welders	2017	2017Welders500	500	0.29	2.713	1.102	0.088	0.088	0.005	568.299	0.026	0.014
Welders	2018	2018Welders15	15	0.766	4.762	3.58	0.256	0.256	0.008	568.3	0.069	0.014
Welders	2018	2018Welders25	25	0.807	4.661	2.531	0.232	0.232	0.007	568.299	0.072	0.014
Welders	2018	2018Welders50	50	1.21	4.607	5.092	0.311	0.311	0.007	568.299	0.109	0.014
Welders	2018	2018Welders120	120	0.564	3.98	3.648	0.29	0.29	0.006	568.299	0.05	0.014
Welders	2018	2018Welders175	175	0.402	3.176	3.123	0.162	0.162	0.006	568.299	0.036	0.014
Welders	2018	2018Welders250	250	0.292	2.751	1.118	0.084	0.084	0.006	568.299	0.026	0.014
Welders	2018	2018Welders500	500	0.277	2.43	1.08	0.08	0.08	0.005	568.299	0.025	0.014
Welders	2019	2019Welders15	15	0.748	4.647	3.562	0.241	0.241	0.008	568.299	0.067	0.014
Welders	2019	2019Welders25	25	0.787	4.596	2.501	0.222	0.222	0.007	568.299	0.071	0.014
Welders	2019	2019Welders50	50	1.055	4.449	4.95	0.273	0.273	0.007	568.299	0.095	0.014
Welders	2019	2019Welders120	120	0.503	3.648	3.623	0.25	0.25	0.006	568.299	0.045	0.014
Welders	2019	2019Welders175	175	0.37	2.832	3.122	0.143	0.143	0.006	568.3	0.033	0.014
Welders	2019	2019Welders250	250	0.276	2.432	1.104	0.075	0.075	0.006	568.299	0.024	0.014
Welders	2019	2019Welders500	500	0.264	2.163	1.065	0.072	0.072	0.005	568.3	0.023	0.014
Welders	2020	2020Welders15	15	0.731	4.542	3.546	0.227	0.227	0.008	568.299	0.066	0.014
Welders	2020	2020Welders25	25	0.769	4.538	2.473	0.212	0.212	0.007	568.299	0.069	0.014
Welders	2020	2020Welders50	50	0.937	4.304	4.84	0.238	0.238	0.007	568.299	0.084	0.014
Welders	2020	2020Welders120	120	0.455	3.351	3.605	0.216	0.216	0.006	568.299	0.041	0.014
Welders	2020	2020Welders175	175	0.344	2.523	3.122	0.127	0.127	0.006	568.299	0.031	0.014
Welders	2020	2020Welders250	250	0.261	2.143	1.093	0.066	0.066	0.006	568.299	0.023	0.014

Welders	2020	2020Welders500	500	0.252	1.91	1.055	0.064	0.064	0.005	568.299	0.022	0.014
Welders	2021	2021Welders15	15	0.717	4.462	3.531	0.214	0.214	0.008	568.299	0.064	0.014
Welders	2021	2021Welders25	25	0.752	4.497	2.446	0.201	0.201	0.007	568.299	0.067	0.014
Welders	2021	2021Welders50	50	0.829	4.133	4.708	0.203	0.203	0.007	568.299	0.074	0.014
Welders	2021	2021Welders120	120	0.411	3.042	3.579	0.184	0.184	0.006	568.299	0.037	0.014
Welders	2021	2021Welders175	175	0.315	2.189	3.112	0.11	0.11	0.006	568.299	0.028	0.014
Welders	2021	2021Welders250	250	0.243	1.836	1.081	0.057	0.057	0.006	568.299	0.021	0.014
Welders	2021	2021Welders500	500	0.236	1.642	1.044	0.055	0.055	0.005	568.299	0.021	0.014
Welders	2022	2022Welders15	15	0.707	4.408	3.519	0.203	0.203	0.008	568.3	0.063	0.014
Welders	2022	2022Welders25	25	0.739	4.47	2.426	0.193	0.193	0.007	568.299	0.066	0.014
Welders	2022	2022Welders50	50	0.758	4.007	4.645	0.175	0.175	0.007	568.299	0.068	0.014
Welders	2022	2022Welders120	120	0.382	2.808	3.57	0.16	0.16	0.006	568.299	0.034	0.014
Welders	2022	2022Welders175	175	0.295	1.935	3.113	0.097	0.097	0.006	568.3	0.026	0.014
Welders	2022	2022Welders250	250	0.231	1.598	1.074	0.05	0.05	0.006	568.299	0.02	0.014
Welders	2022	2022Welders500	500	0.225	1.454	1.038	0.049	0.049	0.005	568.3	0.02	0.014
Welders	2023	2023Welders15	15	0.698	4.359	3.508	0.194	0.194	0.008	568.3	0.063	0.014
Welders	2023	2023Welders25	25	0.728	4.447	2.407	0.186	0.186	0.007	568.299	0.065	0.014
Welders	2023	2023Welders50	50	0.697	3.891	4.596	0.151	0.151	0.007	568.299	0.062	0.014
Welders	2023	2023Welders120	120	0.357	2.599	3.564	0.139	0.139	0.006	568.299	0.032	0.014
Welders	2023	2023Welders175	175	0.277	1.726	3.115	0.085	0.085	0.006	568.299	0.025	0.014
Welders	2023	2023Welders250	250	0.22	1.404	1.071	0.044	0.044	0.006	568.299	0.019	0.014
Welders	2023	2023Welders500	500	0.215	1.289	1.034	0.042	0.042	0.005	568.299	0.019	0.014
Welders	2024	2024Welders15	15	0.69	4.316	3.499	0.188	0.188	0.008	568.299	0.062	0.014
Welders	2024	2024Welders25	25	0.718	4.426	2.39	0.181	0.181	0.007	568.299	0.064	0.014
Welders	2024	2024Welders50	50	0.646	3.782	4.557	0.13	0.13	0.007	568.299	0.058	0.014
Welders	2024	2024Welders120	120	0.336	2.43	3.56	0.12	0.12	0.006	568.299	0.03	0.014
Welders	2024	2024Welders175	175	0.261	1.541	3.118	0.074	0.074	0.006	568.299	0.023	0.014
Welders	2024	2024Welders250	250	0.21	1.234	1.068	0.038	0.038	0.006	568.299	0.018	0.014
Welders	2024	2024Welders500	500	0.206	1.135	1.032	0.037	0.037	0.005	568.299	0.018	0.014
Welders	2025	2025Welders15	15	0.683	4.278	3.491	0.183	0.183	0.008	568.3	0.061	0.014
Welders	2025	2025Welders25	25	0.709	4.407	2.376	0.177	0.177	0.007	568.299	0.064	0.014
Welders	2025	2025Welders50	50	0.602	3.676	4.524	0.112	0.112	0.007	568.299	0.054	0.014
Welders	2025	2025Welders120	120	0.316	2.283	3.557	0.102	0.102	0.006	568.299	0.028	0.014
Welders	2025	2025Welders175	175	0.245	1.365	3.121	0.063	0.063	0.006	568.299	0.022	0.014
Welders	2025	2025Welders250	250	0.199	1.075	1.065	0.032	0.032	0.006	568.299	0.018	0.014
Welders	2025	2025Welders500	500	0.196	0.99	1.029	0.031	0.031	0.005	568.299	0.017	0.014
Welders	2030	2030Welders15	15	0.663	4.164	3.47	0.166	0.166	0.008	568.299	0.059	0.014
Welders	2030	2030Welders25	25	0.687	4.347	2.34	0.165	0.165	0.007	568.299	0.061	0.014
Welders	2030	2030Welders50	50	0.449	3.273	4.387	0.045	0.045	0.007	568.299	0.04	0.014
Welders	2030	2030Welders120	120	0.239	1.707	3.535	0.04	0.04	0.006	568.299	0.021	0.014
Welders	2030	2030Welders175	175	0.176	0.628	3.121	0.027	0.027	0.006	568.299	0.015	0.014
Welders	2030	2030Welders250	250	0.162	0.525	1.063	0.017	0.017	0.006	568.299	0.014	0.014
Welders	2030	2030Welders500	500	0.161	0.495	1.027	0.017	0.017	0.005	568.299	0.014	0.014
Welders	2035	2035Welders15	15	0.661	4.143	3.469	0.162	0.162	0.008	568.299	0.059	0.014
Welders	2035	2035Welders25	25	0.685	4.332	2.339	0.162	0.162	0.007	568.299	0.061	0.014
Welders	2035	2035Welders50	50	0.406	3.147	4.349	0.022	0.022	0.007	568.299	0.036	0.014
Welders	2035	2035Welders120	120	0.214	1.509	3.528	0.019	0.019	0.006	568.299	0.019	0.014
Welders	2035	2035Welders175	175	0.153	0.387	3.121	0.015	0.015	0.006	568.299	0.013	0.014
Welders	2035	2035Welders250	250	0.149	0.343	1.063	0.012	0.012	0.006	568.299	0.013	0.014
Welders	2035	2035Welders500	500	0.149	0.339	1.027	0.012	0.012	0.005	568.299	0.013	0.014
Welders	2040	2040Welders15	15	0.661	4.142	3.469	0.161	0.161	0.008	568.299	0.059	0.014
Welders	2040	2040Welders25	25	0.685	4.332	2.339	0.161	0.161	0.007	568.299	0.061	0.014
Welders	2040	2040Welders50	50	0.402	3.093	4.336	0.015	0.015	0.007	568.3	0.036	0.014
Welders	2040	2040Welders120	120	0.208	1.447	3.524	0.014	0.014	0.006	568.299	0.018	0.014
Welders	2040	2040Welders175	175	0.145	0.303	3.118	0.011	0.011	0.006	568.299	0.013	0.014
Welders	2040	2040Welders250	250	0.143	0.287	1.062	0.01	0.01	0.006	568.3	0.012	0.014
Welders	2040	2040Welders500	500	0.143	0.287	1.026	0.01	0.01	0.005	568.299	0.012	0.014

Source: CalEEMod version 2016.3.2 (Unmitigated) (grams per bhp-hr)

			1	2	3	4	5	6	7	8	9	10	11
Equipment Type	**Year**	**Concatenate**	**HP**	**ROG**	**NOX**	**CO**	**PM10**	**PM2.5**	**SO2**	**CO2**	**CH4**	**N2O**
Aerial Lifts	1990	1990Aerial Lifts15	15	1.80	10.00	5.00	0.97	0.97	0.83	568.30	0.16	0.01
Aerial Lifts	1990	1990Aerial Lifts25	25	0.12	2.75	4.10	0.01	0.01	0.68	568.30	0.20	0.01
Aerial Lifts	1990	1990Aerial Lifts50	50	0.12	2.74	3.70	0.01	0.01	0.69	568.30	0.29	0.01
Aerial Lifts	1990	1990Aerial Lifts120	120	0.06	0.26	3.70	0.01	0.01	0.63	568.30	0.17	0.01
Aerial Lifts	1990	1990Aerial Lifts500	500	0.06	0.26	2.20	0.01	0.01	0.53	568.30	0.11	0.01
Aerial Lifts	1990	1990Aerial Lifts750	750	0.06	0.26	2.20	0.01	0.01	0.54	568.30	0.11	0.01
Aerial Lifts	2000	2000Aerial Lifts15	15	1.63	8.80	4.73	0.74	0.74	0.08	568.30	0.15	0.01
Aerial Lifts	2000	2000Aerial Lifts25	25	0.12	2.75	4.10	0.01	0.01	0.06	568.30	0.19	0.01
Aerial Lifts	2000	2000Aerial Lifts50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.28	0.01
Aerial Lifts	2000	2000Aerial Lifts120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.14	0.01
Aerial Lifts	2000	2000Aerial Lifts500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.07	0.01
Aerial Lifts	2000	2000Aerial Lifts750	750	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.07	0.01
Aerial Lifts	2005	2005Aerial Lifts15	15	0.91	5.93	3.65	0.42	0.42	0.08	568.30	0.08	0.01
Aerial Lifts	2005	2005Aerial Lifts25	25	0.12	2.75	4.10	0.01	0.01	0.06	568.30	0.14	0.01
Aerial Lifts	2005	2005Aerial Lifts50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.25	0.01
Aerial Lifts	2005	2005Aerial Lifts120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.12	0.01
Aerial Lifts	2005	2005Aerial Lifts500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.05	0.01
Aerial Lifts	2005	2005Aerial Lifts750	750	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.05	0.01
Aerial Lifts	2010	2010Aerial Lifts15	15	0.54	4.93	3.63	0.32	0.30	0.01	583.42	0.17	0.01
Aerial Lifts	2010	2010Aerial Lifts25	25	0.12	2.75	4.10	0.01	0.01	0.01	583.42	0.17	0.01
Aerial Lifts	2010	2010Aerial Lifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	583.42	0.17	0.01
Aerial Lifts	2010	2010Aerial Lifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	524.57	0.15	0.01
Aerial Lifts	2010	2010Aerial Lifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	524.51	0.15	0.01
Aerial Lifts	2010	2010Aerial Lifts750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Aerial Lifts	2011	2011Aerial Lifts15	15	0.41	4.84	3.44	0.27	0.25	0.01	581.96	0.17	0.01
Aerial Lifts	2011	2011Aerial Lifts25	25	0.12	2.75	4.10	0.01	0.01	0.01	581.96	0.17	0.01
Aerial Lifts	2011	2011Aerial Lifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	581.96	0.17	0.01
Aerial Lifts	2011	2011Aerial Lifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	523.26	0.15	0.01
Aerial Lifts	2011	2011Aerial Lifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	523.19	0.15	0.01
Aerial Lifts	2011	2011Aerial Lifts750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Aerial Lifts	2012	2012Aerial Lifts15	15	0.38	4.67	3.41	0.25	0.23	0.01	580.50	0.17	0.01
Aerial Lifts	2012	2012Aerial Lifts25	25	0.12	2.75	4.10	0.01	0.01	0.01	580.50	0.17	0.01
Aerial Lifts	2012	2012Aerial Lifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	580.50	0.17	0.01
Aerial Lifts	2012	2012Aerial Lifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	521.95	0.15	0.01
Aerial Lifts	2012	2012Aerial Lifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	521.88	0.15	0.01
Aerial Lifts	2012	2012Aerial Lifts750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Aerial Lifts	2013	2013Aerial Lifts15	15	0.31	4.33	3.30	0.20	0.18	0.01	577.58	0.17	0.01
Aerial Lifts	2013	2013Aerial Lifts25	25	0.12	2.75	4.10	0.01	0.01	0.01	577.58	0.17	0.01
Aerial Lifts	2013	2013Aerial Lifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	577.58	0.17	0.01
Aerial Lifts	2013	2013Aerial Lifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	519.33	0.15	0.01
Aerial Lifts	2013	2013Aerial Lifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	519.26	0.15	0.01
Aerial Lifts	2013	2013Aerial Lifts750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Aerial Lifts	2014	2014Aerial Lifts15	15	0.26	4.10	3.23	0.16	0.15	0.01	574.66	0.17	0.01
Aerial Lifts	2014	2014Aerial Lifts25	25	0.12	2.75	4.10	0.01	0.01	0.01	574.66	0.17	0.01
Aerial Lifts	2014	2014Aerial Lifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	574.66	0.17	0.01
Aerial Lifts	2014	2014Aerial Lifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	516.70	0.15	0.01
Aerial Lifts	2014	2014Aerial Lifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	516.64	0.15	0.01
Aerial Lifts	2014	2014Aerial Lifts750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Aerial Lifts	2015	2015Aerial Lifts15	15	0.25	3.93	3.23	0.14	0.13	0.01	568.83	0.17	0.01
Aerial Lifts	2015	2015Aerial Lifts25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.83	0.17	0.01
Aerial Lifts	2015	2015Aerial Lifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.83	0.17	0.01
Aerial Lifts	2015	2015Aerial Lifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	511.46	0.15	0.01
Aerial Lifts	2015	2015Aerial Lifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	511.39	0.15	0.01
Aerial Lifts	2015	2015Aerial Lifts750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Aerial Lifts	2016	2016Aerial Lifts15	15	0.23	3.68	3.20	0.10	0.10	0.01	563.00	0.17	0.01
Aerial Lifts	2016	2016Aerial Lifts25	25	0.12	2.75	4.10	0.01	0.01	0.01	563.00	0.17	0.01
Aerial Lifts	2016	2016Aerial Lifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	563.00	0.17	0.01
Aerial Lifts	2016	2016Aerial Lifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	506.21	0.15	0.01
Aerial Lifts	2016	2016Aerial Lifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	506.15	0.15	0.01
Aerial Lifts	2016	2016Aerial Lifts750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Aerial Lifts	2017	2017Aerial Lifts15	15	0.21	3.47	3.17	0.08	0.07	0.01	554.25	0.17	0.01
Aerial Lifts	2017	2017Aerial Lifts25	25	0.12	2.75	4.10	0.01	0.01	0.01	554.25	0.17	0.01
Aerial Lifts	2017	2017Aerial Lifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	554.25	0.17	0.01
Aerial Lifts	2017	2017Aerial Lifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	498.34	0.15	0.01
Aerial Lifts	2017	2017Aerial Lifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	498.28	0.15	0.01
Aerial Lifts	2017	2017Aerial Lifts750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Aerial Lifts	2018	2018Aerial Lifts15	15	0.18	3.21	3.12	0.05	0.05	0.01	545.49	0.17	0.01
Aerial Lifts	2018	2018Aerial Lifts25	25	0.12	2.75	4.10	0.01	0.01	0.01	545.49	0.17	0.01
Aerial Lifts	2018	2018Aerial Lifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	545.49	0.17	0.01
Aerial Lifts	2018	2018Aerial Lifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	490.47	0.15	0.01
Aerial Lifts	2018	2018Aerial Lifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	490.41	0.15	0.01
Aerial Lifts	2018	2018Aerial Lifts750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Aerial Lifts	2019	2019Aerial Lifts15	15	0.17	3.08	3.11	0.04	0.04	0.01	536.74	0.17	0.01
Aerial Lifts	2019	2019Aerial Lifts25	25	0.12	2.75	4.10	0.01	0.01	0.01	536.74	0.17	0.01
Aerial Lifts	2019	2019Aerial Lifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	536.74	0.17	0.01
Aerial Lifts	2019	2019Aerial Lifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	482.61	0.15	0.01
Aerial Lifts	2019	2019Aerial Lifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	482.54	0.15	0.01
Aerial Lifts	2019	2019Aerial Lifts750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Aerial Lifts	2020	2020Aerial Lifts15	15	0.17	2.95	3.10	0.03	0.03	0.01	525.07	0.17	0.01
Aerial Lifts	2020	2020Aerial Lifts25	25	0.12	2.75	4.10	0.01	0.01	0.01	525.07	0.17	0.01
Aerial Lifts	2020	2020Aerial Lifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	525.07	0.17	0.01
Aerial Lifts	2020	2020Aerial Lifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	472.11	0.15	0.01
Aerial Lifts	2020	2020Aerial Lifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	472.05	0.15	0.01
Aerial Lifts	2020	2020Aerial Lifts750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Aerial Lifts	2021	2021Aerial Lifts15	15	0.16	2.92	3.11	0.03	0.02	0.01	525.07	0.17	0.01
Aerial Lifts	2021	2021Aerial Lifts25	25	0.12	2.75	4.10	0.01	0.01	0.01	525.07	0.17	0.01
Aerial Lifts	2021	2021Aerial Lifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	525.07	0.17	0.01
Aerial Lifts	2021	2021Aerial Lifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	472.11	0.15	0.01
Aerial Lifts	2021	2021Aerial Lifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	472.05	0.15	0.01
Aerial Lifts	2021	2021Aerial Lifts750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Aerial Lifts	2022	2022Aerial Lifts15	15	0.16	2.91	3.11	0.02	0.02	0.01	525.07	0.17	0.01
Aerial Lifts	2022	2022Aerial Lifts25	25	0.12	2.75	4.10	0.01	0.01	0.01	525.07	0.17	0.01
Aerial Lifts	2022	2022Aerial Lifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	525.07	0.17	0.01
Aerial Lifts	2022	2022Aerial Lifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	472.11	0.15	0.01
Aerial Lifts	2022	2022Aerial Lifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	472.05	0.15	0.01
Aerial Lifts	2022	2022Aerial Lifts750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Aerial Lifts	2023	2023Aerial Lifts15	15	0.16	2.90	3.12	0.02	0.02	0.01	525.07	0.17	0.01
Aerial Lifts	2023	2023Aerial Lifts25	25	0.12	2.75	4.10	0.01	0.01	0.01	525.07	0.17	0.01
Aerial Lifts	2023	2023Aerial Lifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	525.07	0.17	0.01
Aerial Lifts	2023	2023Aerial Lifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	472.11	0.15	0.01
Aerial Lifts	2023	2023Aerial Lifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	472.05	0.15	0.01
Aerial Lifts	2023	2023Aerial Lifts750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Aerial Lifts	2024	2024Aerial Lifts15	15	0.16	2.89	3.11	0.02	0.02	0.01	525.07	0.17	0.01
Aerial Lifts	2024	2024Aerial Lifts25	25	0.12	2.75	4.10	0.01	0.01	0.01	525.07	0.17	0.01
Aerial Lifts	2024	2024Aerial Lifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	525.07	0.17	0.01
Aerial Lifts	2024	2024Aerial Lifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	472.11	0.15	0.01
Aerial Lifts	2024	2024Aerial Lifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	472.05	0.15	0.01
Aerial Lifts	2024	2024Aerial Lifts750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Aerial Lifts	2025	2025Aerial Lifts15	15	0.15	2.88	3.09	0.02	0.02	0.01	525.07	0.17	0.01
Aerial Lifts	2025	2025Aerial Lifts25	25	0.12	2.75	4.10	0.01	0.01	0.01	525.07	0.17	0.01
Aerial Lifts	2025	2025Aerial Lifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	525.07	0.17	0.01
Aerial Lifts	2025	2025Aerial Lifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	472.11	0.15	0.01
Aerial Lifts	2025	2025Aerial Lifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	472.05	0.15	0.01
Aerial Lifts	2025	2025Aerial Lifts750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Aerial Lifts	2030	2030Aerial Lifts15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Aerial Lifts	2030	2030Aerial Lifts25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Aerial Lifts	2030	2030Aerial Lifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Aerial Lifts	2030	2030Aerial Lifts120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Aerial Lifts	2030	2030Aerial Lifts500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Aerial Lifts	2030	2030Aerial Lifts750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Aerial Lifts	2035	2035Aerial Lifts15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Aerial Lifts	2035	2035Aerial Lifts25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Aerial Lifts	2035	2035Aerial Lifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Aerial Lifts	2035	2035Aerial Lifts120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.01	0.01
Aerial Lifts	2035	2035Aerial Lifts500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Aerial Lifts	2035	2035Aerial Lifts750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Aerial Lifts	2040	2040Aerial Lifts15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Aerial Lifts	2040	2040Aerial Lifts25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Aerial Lifts	2040	2040Aerial Lifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Aerial Lifts	2040	2040Aerial Lifts120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.01	0.01
Aerial Lifts	2040	2040Aerial Lifts500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Aerial Lifts	2040	2040Aerial Lifts750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Air Compressors	1990	1990Air Compressors15	15	1.80	10.00	5.00	0.97	0.97	1.02	568.30	0.16	0.01
Air Compressors	1990	1990Air Compressors25	25	0.12	2.75	4.10	0.01	0.01	0.83	568.30	0.20	0.01
Air Compressors	1990	1990Air Compressors50	50	0.12	2.74	3.70	0.01	0.01	0.85	568.30	0.38	0.01
Air Compressors	1990	1990Air Compressors120	120	0.06	0.26	3.70	0.01	0.01	0.77	568.30	0.20	0.01
Air Compressors	1990	1990Air Compressors175	175	0.06	0.26	2.20	0.01	0.01	0.74	568.30	0.14	0.01
Air Compressors	1990	1990Air Compressors250	250	0.06	0.26	2.20	0.01	0.01	0.74	568.30	0.14	0.01
Air Compressors	1990	1990Air Compressors500	500	0.06	0.26	2.20	0.01	0.01	0.64	568.30	0.12	0.01

2.54652E-05 =ratio to multiply by CO2 EF to estimate N2O ef

Equip	HP
Aerial Lifts	15
Aerial Lifts	25
Aerial Lifts	50
Aerial Lifts	120
Aerial Lifts	500
Aerial Lifts	750
Air Compressors	15
Air Compressors	25
Air Compressors	50
Air Compressors	120
Air Compressors	175
Air Compressors	250
Air Compressors	500
Air Compressors	750
Air Compressors	1000
Bore/Drill Rigs	15
Bore/Drill Rigs	25
Bore/Drill Rigs	50
Bore/Drill Rigs	120
Bore/Drill Rigs	175
Bore/Drill Rigs	250
Bore/Drill Rigs	500
Bore/Drill Rigs	750
Bore/Drill Rigs	1000
Cement and Mortar Mixers	15
Cement and Mortar Mixers	25
Concrete/Industrial Saws	25
Concrete/Industrial Saws	50
Concrete/Industrial Saws	120
Concrete/Industrial Saws	175
Cranes	50
Cranes	120
Cranes	175
Cranes	250
Cranes	500
Cranes	750
Cranes	9999
Crawler Tractors	50
Crawler Tractors	120
Crawler Tractors	175
Crawler Tractors	250
Crawler Tractors	500
Crawler Tractors	750
Crawler Tractors	1000
Crushing/Proc. Equipment	50
Crushing/Proc. Equipment	120
Crushing/Proc. Equipment	175
Crushing/Proc. Equipment	250
Crushing/Proc. Equipment	500
Crushing/Proc. Equipment	750
Crushing/Proc. Equipment	9999
Dumpers/Tenders	25
Excavators	25
Excavators	50
Excavators	120
Excavators	175
Excavators	250
Excavators	500
Excavators	750
Forklifts	50
Forklifts	120
Forklifts	175
Forklifts	250
Forklifts	500
Generator Sets	15
Generator Sets	25
Generator Sets	50
Generator Sets	120
Generator Sets	175
Generator Sets	250
Generator Sets	500
Generator Sets	750
Generator Sets	9999
Graders	50
Graders	120
Graders	175
Graders	250
Graders	500
Graders	750
Off-Highway Tractors	120
Off-Highway Tractors	175
Off-Highway Tractors	250
Off-Highway Tractors	750
Off-Highway Tractors	1000
Off-Highway Trucks	175
Off-Highway Trucks	250
Off-Highway Trucks	500
Off-Highway Trucks	750
Off-Highway Trucks	1000
Other Construction Equipment	15
Other Construction Equipment	25
Other Construction Equipment	50
Other Construction Equipment	120
Other Construction Equipment	175
Other Construction Equipment	500
Other General Industrial Equipment	15
Other General Industrial Equipment	25
Other General Industrial Equipment	50
Other General Industrial Equipment	120
Other General Industrial Equipment	175
Other General Industrial Equipment	250
Other General Industrial Equipment	500
Other General Industrial Equipment	750
Other General Industrial Equipment	1000
Other Material Handling Equipment	50
Other Material Handling Equipment	120
Other Material Handling Equipment	175
Other Material Handling Equipment	250
Other Material Handling Equipment	500
Other Material Handling Equipment	9999
Pavers	25
Pavers	50
Pavers	120
Pavers	175
Pavers	250
Pavers	500
Paving Equipment	25
Paving Equipment	50
Paving Equipment	120
Paving Equipment	175
Paving Equipment	250
Plate Compactors	15
Pressure Washers	15
Pressure Washers	25
Pressure Washers	50
Pressure Washers	120
Pressure Washers	175
Pressure Washers	250
Pumps	15
Pumps	25
Pumps	50
Pumps	120
Pumps	175
Pumps	250
Pumps	500
Pumps	750
Pumps	9999
Rollers	15
Rollers	25

Air Compressors	1990	1990Air Compressors750	750	0.06	0.26	2.20	0.01	0.01	0.66	568.30	0.12	0.01
Air Compressors	1990	1990Air Compressors1000	1000	0.06	2.24	2.60	0.02	0.02	0.66	568.30	0.12	0.01
Air Compressors	2000	2000Air Compressors15	15	1.72	9.08	4.88	0.75	0.75	0.08	568.30	0.16	0.01
Air Compressors	2000	2000Air Compressors25	25	0.12	2.75	4.10	0.01	0.01	0.07	568.30	0.19	0.01
Air Compressors	2000	2000Air Compressors50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.36	0.01
Air Compressors	2000	2000Air Compressors120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.16	0.01
Air Compressors	2000	2000Air Compressors175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.11	0.01
Air Compressors	2000	2000Air Compressors250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.09	0.01
Air Compressors	2000	2000Air Compressors500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.08	0.01
Air Compressors	2000	2000Air Compressors750	750	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.08	0.01
Air Compressors	2000	2000Air Compressors1000	1000	0.06	2.24	2.60	0.02	0.02	0.05	568.30	0.09	0.01
Air Compressors	2005	2005Air Compressors15	15	1.39	7.82	4.38	0.62	0.62	0.08	568.30	0.13	0.01
Air Compressors	2005	2005Air Compressors25	25	0.12	2.75	4.10	0.01	0.01	0.07	568.30	0.15	0.01
Air Compressors	2005	2005Air Compressors50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.32	0.01
Air Compressors	2005	2005Air Compressors120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.14	0.01
Air Compressors	2005	2005Air Compressors175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.09	0.01
Air Compressors	2005	2005Air Compressors250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.06	0.01
Air Compressors	2005	2005Air Compressors500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.06	0.01
Air Compressors	2005	2005Air Compressors750	750	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.06	0.01
Air Compressors	2005	2005Air Compressors1000	1000	0.06	2.24	2.60	0.02	0.02	0.05	568.30	0.07	0.01
Air Compressors	2010	2010Air Compressors15	15	1.12	6.55	4.03	0.47	0.47	0.01	568.30	0.10	0.01
Air Compressors	2010	2010Air Compressors25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.11	0.01
Air Compressors	2010	2010Air Compressors50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.26	0.01
Air Compressors	2010	2010Air Compressors120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.11	0.01
Air Compressors	2010	2010Air Compressors175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.07	0.01
Air Compressors	2010	2010Air Compressors250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.05	0.01
Air Compressors	2010	2010Air Compressors500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Air Compressors	2010	2010Air Compressors750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Air Compressors	2010	2010Air Compressors1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.05	0.01
Air Compressors	2011	2011Air Compressors15	15	1.07	6.28	3.95	0.44	0.44	0.01	568.30	0.10	0.01
Air Compressors	2011	2011Air Compressors25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.11	0.01
Air Compressors	2011	2011Air Compressors50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.25	0.01
Air Compressors	2011	2011Air Compressors120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.10	0.01
Air Compressors	2011	2011Air Compressors175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.07	0.01
Air Compressors	2011	2011Air Compressors250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Air Compressors	2011	2011Air Compressors500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Air Compressors	2011	2011Air Compressors750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Air Compressors	2011	2011Air Compressors1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.05	0.01
Air Compressors	2012	2012Air Compressors15	15	1.01	6.00	3.87	0.41	0.41	0.01	568.30	0.09	0.01
Air Compressors	2012	2012Air Compressors25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.10	0.01
Air Compressors	2012	2012Air Compressors50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.23	0.01
Air Compressors	2012	2012Air Compressors120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.10	0.01
Air Compressors	2012	2012Air Compressors175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.06	0.01
Air Compressors	2012	2012Air Compressors250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Air Compressors	2012	2012Air Compressors500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Air Compressors	2012	2012Air Compressors750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Air Compressors	2012	2012Air Compressors1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.05	0.01
Air Compressors	2013	2013Air Compressors15	15	0.95	5.72	3.80	0.37	0.37	0.01	568.30	0.09	0.01
Air Compressors	2013	2013Air Compressors25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.09	0.01
Air Compressors	2013	2013Air Compressors50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.21	0.01
Air Compressors	2013	2013Air Compressors120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.09	0.01
Air Compressors	2013	2013Air Compressors175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.06	0.01
Air Compressors	2013	2013Air Compressors250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Air Compressors	2013	2013Air Compressors500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Air Compressors	2013	2013Air Compressors750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Air Compressors	2013	2013Air Compressors1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.04	0.01
Air Compressors	2014	2014Air Compressors15	15	0.89	5.45	3.72	0.34	0.34	0.01	568.30	0.08	0.01
Air Compressors	2014	2014Air Compressors25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.09	0.01
Air Compressors	2014	2014Air Compressors50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.19	0.01
Air Compressors	2014	2014Air Compressors120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.08	0.01
Air Compressors	2014	2014Air Compressors175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.06	0.01
Air Compressors	2014	2014Air Compressors250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Air Compressors	2014	2014Air Compressors500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Air Compressors	2014	2014Air Compressors750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Air Compressors	2014	2014Air Compressors1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.04	0.01
Air Compressors	2015	2015Air Compressors15	15	0.84	5.20	3.66	0.31	0.31	0.01	568.30	0.08	0.01
Air Compressors	2015	2015Air Compressors25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.08	0.01
Air Compressors	2015	2015Air Compressors50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.17	0.01
Air Compressors	2015	2015Air Compressors120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.07	0.01
Air Compressors	2015	2015Air Compressors175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.05	0.01
Air Compressors	2015	2015Air Compressors250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Air Compressors	2015	2015Air Compressors500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Air Compressors	2015	2015Air Compressors750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Air Compressors	2015	2015Air Compressors1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.04	0.01
Air Compressors	2016	2016Air Compressors15	15	0.81	5.02	3.62	0.29	0.29	0.01	568.30	0.07	0.01
Air Compressors	2016	2016Air Compressors25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.08	0.01
Air Compressors	2016	2016Air Compressors50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.15	0.01
Air Compressors	2016	2016Air Compressors120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.07	0.01
Air Compressors	2016	2016Air Compressors175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.05	0.01
Air Compressors	2016	2016Air Compressors250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Air Compressors	2016	2016Air Compressors500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Air Compressors	2016	2016Air Compressors750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Air Compressors	2016	2016Air Compressors1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.03	0.01
Air Compressors	2017	2017Air Compressors15	15	0.79	4.89	3.60	0.27	0.27	0.01	568.30	0.07	0.01
Air Compressors	2017	2017Air Compressors25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Air Compressors	2017	2017Air Compressors50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.13	0.01
Air Compressors	2017	2017Air Compressors120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.06	0.01
Air Compressors	2017	2017Air Compressors175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Air Compressors	2017	2017Air Compressors250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Air Compressors	2017	2017Air Compressors500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Air Compressors	2017	2017Air Compressors750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Air Compressors	2017	2017Air Compressors1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.03	0.01
Air Compressors	2018	2018Air Compressors15	15	0.77	4.76	3.58	0.26	0.26	0.01	568.30	0.07	0.01
Air Compressors	2018	2018Air Compressors25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Air Compressors	2018	2018Air Compressors50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.12	0.01
Air Compressors	2018	2018Air Compressors120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Air Compressors	2018	2018Air Compressors175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Air Compressors	2018	2018Air Compressors250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Air Compressors	2018	2018Air Compressors500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Air Compressors	2018	2018Air Compressors750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Air Compressors	2018	2018Air Compressors1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.03	0.01
Air Compressors	2019	2019Air Compressors15	15	0.75	4.65	3.56	0.24	0.24	0.01	568.30	0.07	0.01
Air Compressors	2019	2019Air Compressors25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Air Compressors	2019	2019Air Compressors50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.10	0.01
Air Compressors	2019	2019Air Compressors120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Air Compressors	2019	2019Air Compressors175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Air Compressors	2019	2019Air Compressors250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Air Compressors	2019	2019Air Compressors500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Air Compressors	2019	2019Air Compressors750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Air Compressors	2019	2019Air Compressors1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.03	0.01
Air Compressors	2020	2020Air Compressors15	15	0.73	4.54	3.55	0.23	0.23	0.01	568.30	0.07	0.01
Air Compressors	2020	2020Air Compressors25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Air Compressors	2020	2020Air Compressors50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.09	0.01
Air Compressors	2020	2020Air Compressors120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Air Compressors	2020	2020Air Compressors175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Air Compressors	2020	2020Air Compressors250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Air Compressors	2020	2020Air Compressors500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Air Compressors	2020	2020Air Compressors750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Air Compressors	2020	2020Air Compressors1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.03	0.01
Air Compressors	2021	2021Air Compressors15	15	0.72	4.46	3.53	0.21	0.21	0.01	568.30	0.06	0.01
Air Compressors	2021	2021Air Compressors25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Air Compressors	2021	2021Air Compressors50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.08	0.01
Air Compressors	2021	2021Air Compressors120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Air Compressors	2021	2021Air Compressors175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Air Compressors	2021	2021Air Compressors250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Air Compressors	2021	2021Air Compressors500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Air Compressors	2021	2021Air Compressors750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Air Compressors	2021	2021Air Compressors1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.03	0.01
Air Compressors	2022	2022Air Compressors15	15	0.71	4.41	3.52	0.20	0.20	0.01	568.30	0.06	0.01
Air Compressors	2022	2022Air Compressors25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Air Compressors	2022	2022Air Compressors50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.07	0.01
Air Compressors	2022	2022Air Compressors120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Air Compressors	2022	2022Air Compressors175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Air Compressors	2022	2022Air Compressors250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Air Compressors	2022	2022Air Compressors500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Air Compressors	2022	2022Air Compressors750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Air Compressors	2022	2022Air Compressors1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.02	0.01
Air Compressors	2023	2023Air Compressors15	15	0.70	4.36	3.51	0.19	0.19	0.01	568.30	0.06	0.01
Air Compressors	2023	2023Air Compressors25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Air Compressors	2023	2023Air Compressors50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.07	0.01
Air Compressors	2023	2023Air Compressors120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Air Compressors	2023	2023Air Compressors175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01

Rollers	50
Rollers	120
Rollers	175
Rollers	250
Rollers	500
Rough Terrain Forklifts	50
Rough Terrain Forklifts	120
Rough Terrain Forklifts	175
Rough Terrain Forklifts	250
Rough Terrain Forklifts	500
Rubber Tired Dozers	175
Rubber Tired Dozers	250
Rubber Tired Dozers	500
Rubber Tired Dozers	750
Rubber Tired Dozers	1000
Rubber Tired Loaders	25
Rubber Tired Loaders	50
Rubber Tired Loaders	120
Rubber Tired Loaders	175
Rubber Tired Loaders	250
Rubber Tired Loaders	500
Rubber Tired Loaders	750
Rubber Tired Loaders	1000
Scrapers	120
Scrapers	175
Scrapers	250
Scrapers	500
Scrapers	750
Signal Boards	15
Signal Boards	50
Signal Boards	120
Signal Boards	175
Signal Boards	250
Skid Steer Loaders	25
Skid Steer Loaders	50
Skid Steer Loaders	120
Surfacing Equipment	50
Surfacing Equipment	120
Surfacing Equipment	175
Surfacing Equipment	250
Surfacing Equipment	500
Surfacing Equipment	750
Sweepers/Scrubbers	15
Sweepers/Scrubbers	25
Sweepers/Scrubbers	50
Sweepers/Scrubbers	120
Sweepers/Scrubbers	175
Sweepers/Scrubbers	250
Tractors/Loaders/Backhoes	25
Tractors/Loaders/Backhoes	50
Tractors/Loaders/Backhoes	120
Tractors/Loaders/Backhoes	175
Tractors/Loaders/Backhoes	250
Tractors/Loaders/Backhoes	500
Tractors/Loaders/Backhoes	750
Trenchers	15
Trenchers	25
Trenchers	50
Trenchers	120
Trenchers	175
Trenchers	250
Trenchers	500
Trenchers	750
Welders	15
Welders	25
Welders	50
Welders	120
Welders	175
Welders	250
Welders	500

Air Compressors	2023	2023Air Compressors250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Air Compressors	2023	2023Air Compressors500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Air Compressors	2023	2023Air Compressors750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Air Compressors	2023	2023Air Compressors1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.02	0.01
Air Compressors	2024	2024Air Compressors15	15	0.69	4.32	3.50	0.19	0.19	0.01	568.30	0.06	0.01
Air Compressors	2024	2024Air Compressors25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Air Compressors	2024	2024Air Compressors50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.06	0.01
Air Compressors	2024	2024Air Compressors120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Air Compressors	2024	2024Air Compressors175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Air Compressors	2024	2024Air Compressors250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Air Compressors	2024	2024Air Compressors500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Air Compressors	2024	2024Air Compressors750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Air Compressors	2024	2024Air Compressors1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.02	0.01
Air Compressors	2025	2025Air Compressors15	15	0.68	4.28	3.49	0.18	0.18	0.01	568.30	0.06	0.01
Air Compressors	2025	2025Air Compressors25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Air Compressors	2025	2025Air Compressors50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.06	0.01
Air Compressors	2025	2025Air Compressors120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Air Compressors	2025	2025Air Compressors175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Air Compressors	2025	2025Air Compressors250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Air Compressors	2025	2025Air Compressors500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Air Compressors	2025	2025Air Compressors750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Air Compressors	2025	2025Air Compressors1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.02	0.01
Air Compressors	2030	2030Air Compressors15	15	0.66	4.16	3.47	0.17	0.17	0.01	568.30	0.06	0.01
Air Compressors	2030	2030Air Compressors25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Air Compressors	2030	2030Air Compressors50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Air Compressors	2030	2030Air Compressors120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Air Compressors	2030	2030Air Compressors175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Air Compressors	2030	2030Air Compressors250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Air Compressors	2030	2030Air Compressors500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Air Compressors	2030	2030Air Compressors750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Air Compressors	2030	2030Air Compressors1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.02	0.01
Air Compressors	2035	2035Air Compressors15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Air Compressors	2035	2035Air Compressors25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Air Compressors	2035	2035Air Compressors50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Air Compressors	2035	2035Air Compressors120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Air Compressors	2035	2035Air Compressors175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Air Compressors	2035	2035Air Compressors250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Air Compressors	2035	2035Air Compressors500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Air Compressors	2035	2035Air Compressors750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Air Compressors	2035	2035Air Compressors1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.02	0.01
Air Compressors	2040	2040Air Compressors15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Air Compressors	2040	2040Air Compressors25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Air Compressors	2040	2040Air Compressors50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Air Compressors	2040	2040Air Compressors120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Air Compressors	2040	2040Air Compressors175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Air Compressors	2040	2040Air Compressors250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Air Compressors	2040	2040Air Compressors500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Air Compressors	2040	2040Air Compressors750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Air Compressors	2040	2040Air Compressors1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.01	0.01
Bore/Drill	1990	1990Bore/Drill Rigs15	15	1.80	10.00	5.00	0.98	0.98	1.05	568.30	0.16	0.01
Bore/Drill	1990	1990Bore/Drill Rigs25	25	0.12	2.75	4.10	0.01	0.01	0.86	568.30	0.20	0.01
Bore/Drill	1990	1990Bore/Drill Rigs50	50	0.12	2.74	3.70	0.01	0.01	0.87	568.30	0.37	0.01
Bore/Drill	1990	1990Bore/Drill Rigs120	120	0.06	0.26	3.70	0.01	0.01	0.79	568.30	0.19	0.01
Bore/Drill	1990	1990Bore/Drill Rigs175	175	0.06	0.26	2.20	0.01	0.01	0.76	568.30	0.13	0.01
Bore/Drill	1990	1990Bore/Drill Rigs250	250	0.06	0.26	2.20	0.01	0.01	0.76	568.30	0.13	0.01
Bore/Drill	1990	1990Bore/Drill Rigs500	500	0.06	0.26	2.20	0.01	0.01	0.66	568.30	0.12	0.01
Bore/Drill	1990	1990Bore/Drill Rigs750	750	0.06	0.26	2.20	0.01	0.01	1.02	568.30	0.12	0.01
Bore/Drill	1990	1990Bore/Drill Rigs1000	1000	0.06	2.24	2.60	0.02	0.02	1.02	568.30	0.11	0.01
Bore/Drill	2000	2000Bore/Drill Rigs15	15	1.48	8.24	4.49	0.68	0.68	0.08	568.30	0.13	0.01
Bore/Drill	2000	2000Bore/Drill Rigs25	25	0.12	2.75	4.10	0.01	0.01	0.07	568.30	0.18	0.01
Bore/Drill	2000	2000Bore/Drill Rigs50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.30	0.01
Bore/Drill	2000	2000Bore/Drill Rigs120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.13	0.01
Bore/Drill	2000	2000Bore/Drill Rigs175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.09	0.01
Bore/Drill	2000	2000Bore/Drill Rigs250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.06	0.01
Bore/Drill	2000	2000Bore/Drill Rigs500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.06	0.01
Bore/Drill	2000	2000Bore/Drill Rigs750	750	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.06	0.01
Bore/Drill	2000	2000Bore/Drill Rigs1000	1000	0.06	2.24	2.60	0.02	0.02	0.05	568.30	0.07	0.01
Bore/Drill	2005	2005Bore/Drill Rigs15	15	0.77	5.23	3.47	0.36	0.36	0.08	568.30	0.07	0.01
Bore/Drill	2005	2005Bore/Drill Rigs25	25	0.12	2.75	4.10	0.01	0.01	0.07	568.30	0.08	0.01
Bore/Drill	2005	2005Bore/Drill Rigs50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.22	0.01
Bore/Drill	2005	2005Bore/Drill Rigs120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.11	0.01
Bore/Drill	2005	2005Bore/Drill Rigs175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.07	0.01
Bore/Drill	2005	2005Bore/Drill Rigs250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.04	0.01
Bore/Drill	2005	2005Bore/Drill Rigs500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.03	0.01
Bore/Drill	2005	2005Bore/Drill Rigs750	750	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.03	0.01
Bore/Drill	2005	2005Bore/Drill Rigs1000	1000	0.06	2.24	2.60	0.02	0.02	0.05	568.30	0.05	0.01
Bore/Drill	2010	2010Bore/Drill Rigs15	15	0.88	5.42	4.58	0.41	0.37	0.01	604.39	0.18	0.02
Bore/Drill	2010	2010Bore/Drill Rigs25	25	0.12	2.75	4.10	0.01	0.01	0.01	604.39	0.18	0.02
Bore/Drill	2010	2010Bore/Drill Rigs50	50	0.12	2.74	3.70	0.01	0.01	0.01	604.39	0.18	0.02
Bore/Drill	2010	2010Bore/Drill Rigs120	120	0.06	0.26	3.70	0.01	0.01	0.00	505.12	0.15	0.01
Bore/Drill	2010	2010Bore/Drill Rigs175	175	0.06	0.26	2.20	0.01	0.01	0.00	533.37	0.16	0.01
Bore/Drill	2010	2010Bore/Drill Rigs250	250	0.06	0.26	2.20	0.01	0.01	0.00	525.17	0.15	0.01
Bore/Drill	2010	2010Bore/Drill Rigs500	500	0.06	0.26	2.20	0.01	0.01	0.00	517.32	0.15	0.01
Bore/Drill	2010	2010Bore/Drill Rigs750	750	0.06	0.26	2.20	0.01	0.01	0.00	533.60	0.16	0.01
Bore/Drill	2010	2010Bore/Drill Rigs1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	524.34	0.15	0.01
Bore/Drill	2011	2011Bore/Drill Rigs15	15	0.86	5.42	4.60	0.40	0.37	0.01	602.94	0.18	0.02
Bore/Drill	2011	2011Bore/Drill Rigs25	25	0.12	2.75	4.10	0.01	0.01	0.01	602.94	0.18	0.02
Bore/Drill	2011	2011Bore/Drill Rigs50	50	0.12	2.74	3.70	0.01	0.01	0.01	602.94	0.18	0.02
Bore/Drill	2011	2011Bore/Drill Rigs120	120	0.06	0.26	3.70	0.01	0.01	0.00	504.22	0.15	0.01
Bore/Drill	2011	2011Bore/Drill Rigs175	175	0.06	0.26	2.20	0.01	0.01	0.00	531.81	0.16	0.01
Bore/Drill	2011	2011Bore/Drill Rigs250	250	0.06	0.26	2.20	0.01	0.01	0.00	522.36	0.15	0.01
Bore/Drill	2011	2011Bore/Drill Rigs500	500	0.06	0.26	2.20	0.01	0.01	0.00	512.06	0.15	0.01
Bore/Drill	2011	2011Bore/Drill Rigs750	750	0.06	0.26	2.20	0.01	0.01	0.00	532.47	0.16	0.01
Bore/Drill	2011	2011Bore/Drill Rigs1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	523.01	0.15	0.01
Bore/Drill	2012	2012Bore/Drill Rigs15	15	0.88	5.45	4.71	0.41	0.37	0.01	601.73	0.18	0.02
Bore/Drill	2012	2012Bore/Drill Rigs25	25	0.12	2.75	4.10	0.01	0.01	0.01	601.73	0.18	0.02
Bore/Drill	2012	2012Bore/Drill Rigs50	50	0.12	2.74	3.70	0.01	0.01	0.01	601.73	0.18	0.02
Bore/Drill	2012	2012Bore/Drill Rigs120	120	0.06	0.26	3.70	0.01	0.01	0.00	503.42	0.15	0.01
Bore/Drill	2012	2012Bore/Drill Rigs175	175	0.06	0.26	2.20	0.01	0.01	0.00	531.64	0.16	0.01
Bore/Drill	2012	2012Bore/Drill Rigs250	250	0.06	0.26	2.20	0.01	0.01	0.00	520.96	0.15	0.01
Bore/Drill	2012	2012Bore/Drill Rigs500	500	0.06	0.26	2.20	0.01	0.01	0.00	511.01	0.15	0.01
Bore/Drill	2012	2012Bore/Drill Rigs750	750	0.06	0.26	2.20	0.01	0.01	0.00	530.08	0.16	0.01
Bore/Drill	2012	2012Bore/Drill Rigs1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	521.68	0.15	0.01
Bore/Drill	2013	2013Bore/Drill Rigs15	15	0.86	5.44	4.72	0.40	0.37	0.01	598.63	0.18	0.02
Bore/Drill	2013	2013Bore/Drill Rigs25	25	0.12	2.75	4.10	0.01	0.01	0.01	598.63	0.18	0.02
Bore/Drill	2013	2013Bore/Drill Rigs50	50	0.12	2.74	3.70	0.01	0.01	0.01	598.63	0.18	0.02
Bore/Drill	2013	2013Bore/Drill Rigs120	120	0.06	0.26	3.70	0.01	0.01	0.00	501.38	0.15	0.01
Bore/Drill	2013	2013Bore/Drill Rigs175	175	0.06	0.26	2.20	0.01	0.01	0.00	527.51	0.16	0.01
Bore/Drill	2013	2013Bore/Drill Rigs250	250	0.06	0.26	2.20	0.01	0.01	0.00	517.82	0.15	0.01
Bore/Drill	2013	2013Bore/Drill Rigs500	500	0.06	0.26	2.20	0.01	0.01	0.00	507.77	0.15	0.01
Bore/Drill	2013	2013Bore/Drill Rigs750	750	0.06	0.26	2.20	0.01	0.01	0.00	527.73	0.16	0.01
Bore/Drill	2013	2013Bore/Drill Rigs1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	519.85	0.15	0.01
Bore/Drill	2014	2014Bore/Drill Rigs15	15	0.83	5.33	4.69	0.38	0.35	0.01	591.44	0.17	0.01
Bore/Drill	2014	2014Bore/Drill Rigs25	25	0.12	2.75	4.10	0.01	0.01	0.01	591.44	0.17	0.01
Bore/Drill	2014	2014Bore/Drill Rigs50	50	0.12	2.74	3.70	0.01	0.01	0.01	591.44	0.17	0.01
Bore/Drill	2014	2014Bore/Drill Rigs120	120	0.06	0.26	3.70	0.01	0.01	0.00	501.37	0.15	0.01
Bore/Drill	2014	2014Bore/Drill Rigs175	175	0.06	0.26	2.20	0.01	0.01	0.00	524.05	0.15	0.01
Bore/Drill	2014	2014Bore/Drill Rigs250	250	0.06	0.26	2.20	0.01	0.01	0.00	512.34	0.15	0.01
Bore/Drill	2014	2014Bore/Drill Rigs500	500	0.06	0.26	2.20	0.01	0.01	0.00	506.15	0.15	0.01
Bore/Drill	2014	2014Bore/Drill Rigs750	750	0.06	0.26	2.20	0.01	0.01	0.00	525.24	0.16	0.01
Bore/Drill	2014	2014Bore/Drill Rigs1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	516.60	0.15	0.01
Bore/Drill	2015	2015Bore/Drill Rigs15	15	0.85	5.30	4.73	0.38	0.35	0.01	585.17	0.17	0.01
Bore/Drill	2015	2015Bore/Drill Rigs25	25	0.12	2.75	4.10	0.01	0.01	0.01	585.17	0.17	0.01
Bore/Drill	2015	2015Bore/Drill Rigs50	50	0.12	2.74	3.70	0.01	0.01	0.01	585.17	0.17	0.01
Bore/Drill	2015	2015Bore/Drill Rigs120	120	0.06	0.26	3.70	0.01	0.01	0.00	496.95	0.15	0.01
Bore/Drill	2015	2015Bore/Drill Rigs175	175	0.06	0.26	2.20	0.01	0.01	0.00	517.21	0.15	0.01
Bore/Drill	2015	2015Bore/Drill Rigs250	250	0.06	0.26	2.20	0.01	0.01	0.00	506.50	0.15	0.01
Bore/Drill	2015	2015Bore/Drill Rigs500	500	0.06	0.26	2.20	0.01	0.01	0.00	499.90	0.15	0.01
Bore/Drill	2015	2015Bore/Drill Rigs750	750	0.06	0.26	2.20	0.01	0.01	0.00	520.47	0.16	0.01
Bore/Drill	2015	2015Bore/Drill Rigs1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	511.25	0.15	0.01
Bore/Drill	2016	2016Bore/Drill Rigs15	15	0.87	5.30	4.80	0.38	0.35	0.01	579.33	0.17	0.01
Bore/Drill	2016	2016Bore/Drill Rigs25	25	0.12	2.75	4.10	0.01	0.01	0.01	579.33	0.17	0.01
Bore/Drill	2016	2016Bore/Drill Rigs50	50	0.12	2.74	3.70	0.01	0.01	0.01	579.33	0.17	0.01
Bore/Drill	2016	2016Bore/Drill Rigs120	120	0.06	0.26	3.70	0.01	0.01	0.00	491.65	0.15	0.01
Bore/Drill	2016	2016Bore/Drill Rigs175	175	0.06	0.26	2.20	0.01	0.01	0.00	511.43	0.15	0.01
Bore/Drill	2016	2016Bore/Drill Rigs250	250	0.06	0.26	2.20	0.01	0.01	0.00	502.13	0.15	0.01
Bore/Drill	2016	2016Bore/Drill Rigs500	500	0.06	0.26	2.20	0.01	0.01	0.00	494.76	0.15	0.01
Bore/Drill	2016	2016Bore/Drill Rigs750	750	0.06	0.26	2.20	0.01	0.01	0.00	514.88	0.16	0.01
Bore/Drill	2016	2016Bore/Drill Rigs1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	506.00	0.15	0.01
Bore/Drill	2017	2017Bore/Drill Rigs15	15	0.80	5.06	4.65	0.35	0.32	0.01	563.92	0.17	0.01
Bore/Drill	2017	2017Bore/Drill Rigs25	25	0.12	2.75	4.10	0.01	0.01	0.01	563.92	0.17	0.01
Bore/Drill	2017	2017Bore/Drill Rigs50	50	0.12	2.74	3.70	0.01	0.01	0.01	563.92	0.17	0.01

Bore/Drill	2017	2017Bore/Drill Rigs120	120	0.06	0.26	3.70	0.01	0.01	0.00	485.32	0.15	0.01
Bore/Drill	2017	2017Bore/Drill Rigs175	175	0.06	0.26	2.20	0.01	0.01	0.00	503.77	0.15	0.01
Bore/Drill	2017	2017Bore/Drill Rigs250	250	0.06	0.26	2.20	0.01	0.01	0.00	494.14	0.15	0.01
Bore/Drill	2017	2017Bore/Drill Rigs500	500	0.06	0.26	2.20	0.01	0.01	0.00	489.46	0.15	0.01
Bore/Drill	2017	2017Bore/Drill Rigs750	750	0.06	0.26	2.20	0.01	0.01	0.00	505.12	0.15	0.01
Bore/Drill	2017	2017Bore/Drill Rigs1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	498.12	0.15	0.01
Bore/Drill	2018	2018Bore/Drill Rigs15	15	0.77	4.87	4.57	0.33	0.30	0.01	554.20	0.17	0.01
Bore/Drill	2018	2018Bore/Drill Rigs25	25	0.12	2.75	4.10	0.01	0.01	0.01	554.20	0.17	0.01
Bore/Drill	2018	2018Bore/Drill Rigs50	50	0.12	2.74	3.70	0.01	0.01	0.01	554.20	0.17	0.01
Bore/Drill	2018	2018Bore/Drill Rigs120	120	0.06	0.26	3.70	0.01	0.01	0.00	479.67	0.15	0.01
Bore/Drill	2018	2018Bore/Drill Rigs175	175	0.06	0.26	2.20	0.01	0.01	0.00	495.07	0.15	0.01
Bore/Drill	2018	2018Bore/Drill Rigs250	250	0.06	0.26	2.20	0.01	0.01	0.00	484.56	0.15	0.01
Bore/Drill	2018	2018Bore/Drill Rigs500	500	0.06	0.26	2.20	0.01	0.01	0.00	485.69	0.15	0.01
Bore/Drill	2018	2018Bore/Drill Rigs750	750	0.06	0.26	2.20	0.01	0.01	0.00	489.73	0.15	0.01
Bore/Drill	2018	2018Bore/Drill Rigs1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	490.24	0.15	0.01
Bore/Drill	2019	2019Bore/Drill Rigs15	15	0.72	4.72	4.50	0.30	0.28	0.01	545.29	0.17	0.01
Bore/Drill	2019	2019Bore/Drill Rigs25	25	0.12	2.75	4.10	0.01	0.01	0.01	545.29	0.17	0.01
Bore/Drill	2019	2019Bore/Drill Rigs50	50	0.12	2.74	3.70	0.01	0.01	0.01	545.29	0.17	0.01
Bore/Drill	2019	2019Bore/Drill Rigs120	120	0.06	0.26	3.70	0.01	0.01	0.00	472.45	0.15	0.01
Bore/Drill	2019	2019Bore/Drill Rigs175	175	0.06	0.26	2.20	0.01	0.01	0.00	487.36	0.15	0.01
Bore/Drill	2019	2019Bore/Drill Rigs250	250	0.06	0.26	2.20	0.01	0.01	0.00	475.79	0.15	0.01
Bore/Drill	2019	2019Bore/Drill Rigs500	500	0.06	0.26	2.20	0.01	0.01	0.00	477.05	0.15	0.01
Bore/Drill	2019	2019Bore/Drill Rigs750	750	0.06	0.26	2.20	0.01	0.01	0.00	481.84	0.15	0.01
Bore/Drill	2019	2019Bore/Drill Rigs1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	482.36	0.15	0.01
Bore/Drill	2020	2020Bore/Drill Rigs15	15	0.72	4.65	4.51	0.29	0.27	0.01	535.29	0.17	0.01
Bore/Drill	2020	2020Bore/Drill Rigs25	25	0.12	2.75	4.10	0.01	0.01	0.01	535.29	0.17	0.01
Bore/Drill	2020	2020Bore/Drill Rigs50	50	0.12	2.74	3.70	0.01	0.01	0.01	535.29	0.17	0.01
Bore/Drill	2020	2020Bore/Drill Rigs120	120	0.06	0.26	3.70	0.01	0.01	0.00	463.58	0.15	0.01
Bore/Drill	2020	2020Bore/Drill Rigs175	175	0.06	0.26	2.20	0.01	0.01	0.00	477.72	0.15	0.01
Bore/Drill	2020	2020Bore/Drill Rigs250	250	0.06	0.26	2.20	0.01	0.01	0.00	466.83	0.15	0.01
Bore/Drill	2020	2020Bore/Drill Rigs500	500	0.06	0.26	2.20	0.01	0.01	0.00	466.82	0.15	0.01
Bore/Drill	2020	2020Bore/Drill Rigs750	750	0.06	0.26	2.20	0.01	0.01	0.00	473.67	0.15	0.01
Bore/Drill	2020	2020Bore/Drill Rigs1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	471.85	0.15	0.01
Bore/Drill	2021	2021Bore/Drill Rigs15	15	0.71	4.63	4.55	0.29	0.27	0.01	535.38	0.17	0.01
Bore/Drill	2021	2021Bore/Drill Rigs25	25	0.12	2.75	4.10	0.01	0.01	0.01	535.38	0.17	0.01
Bore/Drill	2021	2021Bore/Drill Rigs50	50	0.12	2.74	3.70	0.01	0.01	0.01	535.38	0.17	0.01
Bore/Drill	2021	2021Bore/Drill Rigs120	120	0.06	0.26	3.70	0.01	0.01	0.00	464.97	0.15	0.01
Bore/Drill	2021	2021Bore/Drill Rigs175	175	0.06	0.26	2.20	0.01	0.01	0.00	477.05	0.15	0.01
Bore/Drill	2021	2021Bore/Drill Rigs250	250	0.06	0.26	2.20	0.01	0.01	0.00	467.99	0.15	0.01
Bore/Drill	2021	2021Bore/Drill Rigs500	500	0.06	0.26	2.20	0.01	0.01	0.00	469.82	0.15	0.01
Bore/Drill	2021	2021Bore/Drill Rigs750	750	0.06	0.26	2.20	0.01	0.01	0.00	474.08	0.15	0.01
Bore/Drill	2021	2021Bore/Drill Rigs1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	471.82	0.15	0.01
Bore/Drill	2022	2022Bore/Drill Rigs15	15	0.63	4.28	4.33	0.24	0.22	0.01	529.87	0.17	0.01
Bore/Drill	2022	2022Bore/Drill Rigs25	25	0.12	2.75	4.10	0.01	0.01	0.01	529.87	0.17	0.01
Bore/Drill	2022	2022Bore/Drill Rigs50	50	0.12	2.74	3.70	0.01	0.01	0.01	529.87	0.17	0.01
Bore/Drill	2022	2022Bore/Drill Rigs120	120	0.06	0.26	3.70	0.01	0.01	0.00	462.27	0.15	0.01
Bore/Drill	2022	2022Bore/Drill Rigs175	175	0.06	0.26	2.20	0.01	0.01	0.00	477.37	0.15	0.01
Bore/Drill	2022	2022Bore/Drill Rigs250	250	0.06	0.26	2.20	0.01	0.01	0.00	468.76	0.15	0.01
Bore/Drill	2022	2022Bore/Drill Rigs500	500	0.06	0.26	2.20	0.01	0.01	0.00	467.19	0.15	0.01
Bore/Drill	2022	2022Bore/Drill Rigs750	750	0.06	0.26	2.20	0.01	0.01	0.00	477.14	0.15	0.01
Bore/Drill	2022	2022Bore/Drill Rigs1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	472.92	0.15	0.01
Bore/Drill	2023	2023Bore/Drill Rigs15	15	0.61	4.21	4.31	0.23	0.21	0.01	531.99	0.17	0.01
Bore/Drill	2023	2023Bore/Drill Rigs25	25	0.12	2.75	4.10	0.01	0.01	0.01	531.99	0.17	0.01
Bore/Drill	2023	2023Bore/Drill Rigs50	50	0.12	2.74	3.70	0.01	0.01	0.01	531.99	0.17	0.01
Bore/Drill	2023	2023Bore/Drill Rigs120	120	0.06	0.26	3.70	0.01	0.01	0.00	461.21	0.15	0.01
Bore/Drill	2023	2023Bore/Drill Rigs175	175	0.06	0.26	2.20	0.01	0.01	0.00	479.65	0.16	0.01
Bore/Drill	2023	2023Bore/Drill Rigs250	250	0.06	0.26	2.20	0.01	0.01	0.00	469.71	0.15	0.01
Bore/Drill	2023	2023Bore/Drill Rigs500	500	0.06	0.26	2.20	0.01	0.01	0.00	464.04	0.15	0.01
Bore/Drill	2023	2023Bore/Drill Rigs750	750	0.06	0.26	2.20	0.01	0.01	0.00	479.22	0.15	0.01
Bore/Drill	2023	2023Bore/Drill Rigs1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	472.02	0.15	0.01
Bore/Drill	2024	2024Bore/Drill Rigs15	15	0.61	4.16	4.33	0.22	0.20	0.01	529.87	0.17	0.01
Bore/Drill	2024	2024Bore/Drill Rigs25	25	0.12	2.75	4.10	0.01	0.01	0.01	529.87	0.17	0.01
Bore/Drill	2024	2024Bore/Drill Rigs50	50	0.12	2.74	3.70	0.01	0.01	0.01	529.87	0.17	0.01
Bore/Drill	2024	2024Bore/Drill Rigs120	120	0.06	0.26	3.70	0.01	0.01	0.00	461.21	0.15	0.01
Bore/Drill	2024	2024Bore/Drill Rigs175	175	0.06	0.26	2.20	0.01	0.01	0.00	478.94	0.15	0.01
Bore/Drill	2024	2024Bore/Drill Rigs250	250	0.06	0.26	2.20	0.01	0.01	0.00	470.71	0.15	0.01
Bore/Drill	2024	2024Bore/Drill Rigs500	500	0.06	0.26	2.20	0.01	0.01	0.00	464.48	0.15	0.01
Bore/Drill	2024	2024Bore/Drill Rigs750	750	0.06	0.26	2.20	0.01	0.01	0.00	480.22	0.16	0.01
Bore/Drill	2024	2024Bore/Drill Rigs1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	471.93	0.15	0.01
Bore/Drill	2025	2025Bore/Drill Rigs15	15	0.59	3.98	4.27	0.19	0.18	0.01	532.82	0.17	0.01
Bore/Drill	2025	2025Bore/Drill Rigs25	25	0.12	2.75	4.10	0.01	0.01	0.01	532.82	0.17	0.01
Bore/Drill	2025	2025Bore/Drill Rigs50	50	0.12	2.74	3.70	0.01	0.01	0.01	532.82	0.17	0.01
Bore/Drill	2025	2025Bore/Drill Rigs120	120	0.06	0.26	3.70	0.01	0.01	0.00	459.83	0.15	0.01
Bore/Drill	2025	2025Bore/Drill Rigs175	175	0.06	0.26	2.20	0.01	0.01	0.00	478.27	0.15	0.01
Bore/Drill	2025	2025Bore/Drill Rigs250	250	0.06	0.26	2.20	0.01	0.01	0.00	470.65	0.15	0.01
Bore/Drill	2025	2025Bore/Drill Rigs500	500	0.06	0.26	2.20	0.01	0.01	0.00	467.29	0.15	0.01
Bore/Drill	2025	2025Bore/Drill Rigs750	750	0.06	0.26	2.20	0.01	0.01	0.00	481.25	0.16	0.01
Bore/Drill	2025	2025Bore/Drill Rigs1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	471.92	0.15	0.01
Bore/Drill	2030	2030Bore/Drill Rigs15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Bore/Drill	2030	2030Bore/Drill Rigs25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Bore/Drill	2030	2030Bore/Drill Rigs50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Bore/Drill	2030	2030Bore/Drill Rigs120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Bore/Drill	2030	2030Bore/Drill Rigs175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Bore/Drill	2030	2030Bore/Drill Rigs250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Bore/Drill	2030	2030Bore/Drill Rigs500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Bore/Drill	2030	2030Bore/Drill Rigs750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Bore/Drill	2030	2030Bore/Drill Rigs1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.01	0.01
Bore/Drill	2035	2035Bore/Drill Rigs15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Bore/Drill	2035	2035Bore/Drill Rigs25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Bore/Drill	2035	2035Bore/Drill Rigs50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Bore/Drill	2035	2035Bore/Drill Rigs120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Bore/Drill	2035	2035Bore/Drill Rigs175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Bore/Drill	2035	2035Bore/Drill Rigs250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Bore/Drill	2035	2035Bore/Drill Rigs500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Bore/Drill	2035	2035Bore/Drill Rigs750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Bore/Drill	2035	2035Bore/Drill Rigs1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.01	0.01
Bore/Drill	2040	2040Bore/Drill Rigs15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Bore/Drill	2040	2040Bore/Drill Rigs25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Bore/Drill	2040	2040Bore/Drill Rigs50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Bore/Drill	2040	2040Bore/Drill Rigs120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Bore/Drill	2040	2040Bore/Drill Rigs175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Bore/Drill	2040	2040Bore/Drill Rigs250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Bore/Drill	2040	2040Bore/Drill Rigs500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Bore/Drill	2040	2040Bore/Drill Rigs750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Bore/Drill	2040	2040Bore/Drill Rigs1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.01	0.01
Cement and Mortar Mixers	1990	1990Cement and Mortar Mixers15	15	1.80	10.00	5.00	0.98	0.98	1.05	568.30	0.16	0.01
Cement and Mortar Mixers	1990	1990Cement and Mortar Mixers25	25	0.12	2.75	4.10	0.01	0.01	0.86	568.30	0.20	0.01
Cement and Mortar Mixers	2000	2000Cement and Mortar Mixers15	15	1.66	8.91	4.78	0.75	0.75	0.08	568.30	0.15	0.01
Cement and Mortar Mixers	2000	2000Cement and Mortar Mixers25	25	0.12	2.75	4.10	0.01	0.01	0.07	568.30	0.19	0.01
Cement and Mortar Mixers	2005	2005Cement and Mortar Mixers15	15	1.00	6.30	3.79	0.47	0.47	0.08	568.30	0.09	0.01
Cement and Mortar Mixers	2005	2005Cement and Mortar Mixers25	25	0.12	2.75	4.10	0.01	0.01	0.07	568.30	0.14	0.01
Cement and Mortar Mixers	2010	2010Cement and Mortar Mixers15	15	0.71	4.55	3.49	0.26	0.26	0.01	568.30	0.06	0.01
Cement and Mortar Mixers	2010	2010Cement and Mortar Mixers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.10	0.01
Cement and Mortar Mixers	2011	2011Cement and Mortar Mixers15	15	0.69	4.35	3.48	0.23	0.23	0.01	568.30	0.06	0.01
Cement and Mortar Mixers	2011	2011Cement and Mortar Mixers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.09	0.01
Cement and Mortar Mixers	2012	2012Cement and Mortar Mixers15	15	0.67	4.27	3.47	0.21	0.21	0.01	568.30	0.06	0.01
Cement and Mortar Mixers	2012	2012Cement and Mortar Mixers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.09	0.01
Cement and Mortar Mixers	2013	2013Cement and Mortar Mixers15	15	0.67	4.22	3.47	0.19	0.19	0.01	568.30	0.06	0.01
Cement and Mortar Mixers	2013	2013Cement and Mortar Mixers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.08	0.01
Cement and Mortar Mixers	2014	2014Cement and Mortar Mixers15	15	0.67	4.19	3.47	0.18	0.18	0.01	568.30	0.06	0.01
Cement and Mortar Mixers	2014	2014Cement and Mortar Mixers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.08	0.01
Cement and Mortar Mixers	2015	2015Cement and Mortar Mixers15	15	0.66	4.17	3.47	0.17	0.17	0.01	568.30	0.06	0.01
Cement and Mortar Mixers	2015	2015Cement and Mortar Mixers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Cement and Mortar Mixers	2016	2016Cement and Mortar Mixers15	15	0.66	4.15	3.47	0.17	0.17	0.01	568.30	0.06	0.01
Cement and Mortar Mixers	2016	2016Cement and Mortar Mixers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Cement and Mortar Mixers	2017	2017Cement and Mortar Mixers15	15	0.66	4.15	3.47	0.17	0.17	0.01	568.30	0.06	0.01
Cement and Mortar Mixers	2017	2017Cement and Mortar Mixers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Cement and Mortar Mixers	2018	2018Cement and Mortar Mixers15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Cement and Mortar Mixers	2018	2018Cement and Mortar Mixers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Cement and Mortar Mixers	2019	2019Cement and Mortar Mixers15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Cement and Mortar Mixers	2019	2019Cement and Mortar Mixers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Cement and Mortar Mixers	2020	2020Cement and Mortar Mixers15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Cement and Mortar Mixers	2020	2020Cement and Mortar Mixers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Cement and Mortar Mixers	2021	2021Cement and Mortar Mixers15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Cement and Mortar Mixers	2021	2021Cement and Mortar Mixers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Cement and Mortar Mixers	2022	2022Cement and Mortar Mixers15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Cement and Mortar Mixers	2022	2022Cement and Mortar Mixers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Cement and Mortar Mixers	2023	2023Cement and Mortar Mixers15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Cement and Mortar Mixers	2023	2023Cement and Mortar Mixers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Cement and Mortar Mixers	2024	2024Cement and Mortar Mixers15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Cement and Mortar Mixers	2024	2024Cement and Mortar Mixers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Cement and Mortar Mixers	2025	2025Cement and Mortar Mixers15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01

Cement and Mortar Mixers	2025	2025Cement and Mortar Mixers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Cement and Mortar Mixers	2030	2030Cement and Mortar Mixers15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Cement and Mortar Mixers	2030	2030Cement and Mortar Mixers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Cement and Mortar Mixers	2035	2035Cement and Mortar Mixers15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Cement and Mortar Mixers	2035	2035Cement and Mortar Mixers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Cement and Mortar Mixers	2040	2040Cement and Mortar Mixers15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Cement and Mortar Mixers	2040	2040Cement and Mortar Mixers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Concrete/Industrial Saws	1990	1990Concrete/Industrial Saws25	25	0.12	2.75	4.10	0.01	0.01	0.86	568.30	0.20	0.01
Concrete/Industrial Saws	1990	1990Concrete/Industrial Saws50	50	0.12	2.74	3.70	0.01	0.01	0.87	568.30	0.45	0.01
Concrete/Industrial Saws	1990	1990Concrete/Industrial Saws120	120	0.06	0.26	3.70	0.01	0.01	0.79	568.30	0.22	0.01
Concrete/Industrial Saws	1990	1990Concrete/Industrial Saws175	175	0.06	0.26	2.20	0.01	0.01	0.76	568.30	0.19	0.01
Concrete/Industrial Saws	2000	2000Concrete/Industrial Saws25	25	0.12	2.75	4.10	0.01	0.01	0.07	568.30	0.17	0.01
Concrete/Industrial Saws	2000	2000Concrete/Industrial Saws50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.32	0.01
Concrete/Industrial Saws	2000	2000Concrete/Industrial Saws120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.15	0.01
Concrete/Industrial Saws	2000	2000Concrete/Industrial Saws175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.10	0.01
Concrete/Industrial Saws	2005	2005Concrete/Industrial Saws25	25	0.12	2.75	4.10	0.01	0.01	0.07	568.30	0.08	0.01
Concrete/Industrial Saws	2005	2005Concrete/Industrial Saws50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.29	0.01
Concrete/Industrial Saws	2005	2005Concrete/Industrial Saws120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.13	0.01
Concrete/Industrial Saws	2005	2005Concrete/Industrial Saws175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.08	0.01
Concrete/Industrial Saws	2010	2010Concrete/Industrial Saws25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Concrete/Industrial Saws	2010	2010Concrete/Industrial Saws50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.21	0.01
Concrete/Industrial Saws	2010	2010Concrete/Industrial Saws120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.09	0.01
Concrete/Industrial Saws	2010	2010Concrete/Industrial Saws175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.06	0.01
Concrete/Industrial Saws	2011	2011Concrete/Industrial Saws25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Concrete/Industrial Saws	2011	2011Concrete/Industrial Saws50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.19	0.01
Concrete/Industrial Saws	2011	2011Concrete/Industrial Saws120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.09	0.01
Concrete/Industrial Saws	2011	2011Concrete/Industrial Saws175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.06	0.01
Concrete/Industrial Saws	2012	2012Concrete/Industrial Saws25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Concrete/Industrial Saws	2012	2012Concrete/Industrial Saws50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.18	0.01
Concrete/Industrial Saws	2012	2012Concrete/Industrial Saws120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.08	0.01
Concrete/Industrial Saws	2012	2012Concrete/Industrial Saws175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.05	0.01
Concrete/Industrial Saws	2013	2013Concrete/Industrial Saws25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Concrete/Industrial Saws	2013	2013Concrete/Industrial Saws50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.16	0.01
Concrete/Industrial Saws	2013	2013Concrete/Industrial Saws120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.07	0.01
Concrete/Industrial Saws	2013	2013Concrete/Industrial Saws175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.05	0.01
Concrete/Industrial Saws	2014	2014Concrete/Industrial Saws25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Concrete/Industrial Saws	2014	2014Concrete/Industrial Saws50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.15	0.01
Concrete/Industrial Saws	2014	2014Concrete/Industrial Saws120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.07	0.01
Concrete/Industrial Saws	2014	2014Concrete/Industrial Saws175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.05	0.01
Concrete/Industrial Saws	2015	2015Concrete/Industrial Saws25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Concrete/Industrial Saws	2015	2015Concrete/Industrial Saws50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.13	0.01
Concrete/Industrial Saws	2015	2015Concrete/Industrial Saws120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.06	0.01
Concrete/Industrial Saws	2015	2015Concrete/Industrial Saws175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Concrete/Industrial Saws	2016	2016Concrete/Industrial Saws25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Concrete/Industrial Saws	2016	2016Concrete/Industrial Saws50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.12	0.01
Concrete/Industrial Saws	2016	2016Concrete/Industrial Saws120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.06	0.01
Concrete/Industrial Saws	2016	2016Concrete/Industrial Saws175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Concrete/Industrial Saws	2017	2017Concrete/Industrial Saws25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Concrete/Industrial Saws	2017	2017Concrete/Industrial Saws50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.11	0.01
Concrete/Industrial Saws	2017	2017Concrete/Industrial Saws120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Concrete/Industrial Saws	2017	2017Concrete/Industrial Saws175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Concrete/Industrial Saws	2018	2018Concrete/Industrial Saws25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Concrete/Industrial Saws	2018	2018Concrete/Industrial Saws50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.09	0.01
Concrete/Industrial Saws	2018	2018Concrete/Industrial Saws120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Concrete/Industrial Saws	2018	2018Concrete/Industrial Saws175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Concrete/Industrial Saws	2019	2019Concrete/Industrial Saws25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Concrete/Industrial Saws	2019	2019Concrete/Industrial Saws50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.08	0.01
Concrete/Industrial Saws	2019	2019Concrete/Industrial Saws120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Concrete/Industrial Saws	2019	2019Concrete/Industrial Saws175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Concrete/Industrial Saws	2020	2020Concrete/Industrial Saws25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Concrete/Industrial Saws	2020	2020Concrete/Industrial Saws50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.07	0.01
Concrete/Industrial Saws	2020	2020Concrete/Industrial Saws120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Concrete/Industrial Saws	2020	2020Concrete/Industrial Saws175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Concrete/Industrial Saws	2021	2021Concrete/Industrial Saws25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Concrete/Industrial Saws	2021	2021Concrete/Industrial Saws50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.07	0.01
Concrete/Industrial Saws	2021	2021Concrete/Industrial Saws120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Concrete/Industrial Saws	2021	2021Concrete/Industrial Saws175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Concrete/Industrial Saws	2022	2022Concrete/Industrial Saws25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Concrete/Industrial Saws	2022	2022Concrete/Industrial Saws50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.06	0.01
Concrete/Industrial Saws	2022	2022Concrete/Industrial Saws120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Concrete/Industrial Saws	2022	2022Concrete/Industrial Saws175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Concrete/Industrial Saws	2023	2023Concrete/Industrial Saws25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Concrete/Industrial Saws	2023	2023Concrete/Industrial Saws50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Concrete/Industrial Saws	2023	2023Concrete/Industrial Saws120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Concrete/Industrial Saws	2023	2023Concrete/Industrial Saws175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Concrete/Industrial Saws	2024	2024Concrete/Industrial Saws25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Concrete/Industrial Saws	2024	2024Concrete/Industrial Saws50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Concrete/Industrial Saws	2024	2024Concrete/Industrial Saws120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Concrete/Industrial Saws	2024	2024Concrete/Industrial Saws175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Concrete/Industrial Saws	2025	2025Concrete/Industrial Saws25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Concrete/Industrial Saws	2025	2025Concrete/Industrial Saws50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Concrete/Industrial Saws	2025	2025Concrete/Industrial Saws120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Concrete/Industrial Saws	2025	2025Concrete/Industrial Saws175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Concrete/Industrial Saws	2030	2030Concrete/Industrial Saws25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Concrete/Industrial Saws	2030	2030Concrete/Industrial Saws50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Concrete/Industrial Saws	2030	2030Concrete/Industrial Saws120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Concrete/Industrial Saws	2030	2030Concrete/Industrial Saws175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Concrete/Industrial Saws	2035	2035Concrete/Industrial Saws25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Concrete/Industrial Saws	2035	2035Concrete/Industrial Saws50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Concrete/Industrial Saws	2035	2035Concrete/Industrial Saws120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Concrete/Industrial Saws	2035	2035Concrete/Industrial Saws175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Concrete/Industrial Saws	2040	2040Concrete/Industrial Saws25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Concrete/Industrial Saws	2040	2040Concrete/Industrial Saws50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Concrete/Industrial Saws	2040	2040Concrete/Industrial Saws120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Concrete/Industrial Saws	2040	2040Concrete/Industrial Saws175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Cranes	1990	1990Cranes50	50	0.12	2.74	3.70	0.01	0.01	0.87	568.30	0.47	0.01
Cranes	1990	1990Cranes120	120	0.06	0.26	3.70	0.01	0.01	0.79	568.30	0.23	0.01
Cranes	1990	1990Cranes175	175	0.06	0.26	2.20	0.01	0.01	0.76	568.30	0.18	0.01
Cranes	1990	1990Cranes250	250	0.06	0.26	2.20	0.01	0.01	0.76	568.30	0.18	0.01
Cranes	1990	1990Cranes500	500	0.06	0.26	2.20	0.01	0.01	0.66	568.30	0.16	0.01
Cranes	1990	1990Cranes750	750	0.06	0.26	2.20	0.01	0.01	1.02	568.30	0.16	0.01
Cranes	1990	1990Cranes9999	9999	1.78	14.72	12.53	0.98	0.98	1.02	568.30	0.16	0.01
Cranes	2000	2000Cranes50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.42	0.01
Cranes	2000	2000Cranes120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.17	0.01
Cranes	2000	2000Cranes175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.12	0.01
Cranes	2000	2000Cranes250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.10	0.01
Cranes	2000	2000Cranes500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.09	0.01
Cranes	2000	2000Cranes750	750	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.09	0.01
Cranes	2000	2000Cranes9999	9999	1.06	9.64	6.05	0.39	0.39	0.05	568.30	0.10	0.01
Cranes	2005	2005Cranes50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.38	0.01
Cranes	2005	2005Cranes120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.15	0.01
Cranes	2005	2005Cranes175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.10	0.01
Cranes	2005	2005Cranes250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.08	0.01
Cranes	2005	2005Cranes500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.07	0.01
Cranes	2005	2005Cranes750	750	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.07	0.01
Cranes	2005	2005Cranes9999	9999	0.84	8.50	3.72	0.29	0.29	0.05	568.30	0.08	0.01
Cranes	2010	2010Cranes50	50	0.12	2.74	3.70	0.01	0.01	0.01	575.65	0.17	0.01
Cranes	2010	2010Cranes120	120	0.06	0.26	3.70	0.01	0.01	0.00	522.27	0.15	0.01
Cranes	2010	2010Cranes175	175	0.06	0.26	2.20	0.01	0.01	0.00	527.72	0.15	0.01
Cranes	2010	2010Cranes250	250	0.06	0.26	2.20	0.01	0.01	0.00	525.65	0.15	0.01
Cranes	2010	2010Cranes500	500	0.06	0.26	2.20	0.01	0.01	0.00	524.25	0.15	0.01
Cranes	2010	2010Cranes750	750	0.06	0.26	2.20	0.01	0.01	0.00	523.82	0.15	0.01
Cranes	2010	2010Cranes9999	9999	0.33	6.40	1.01	0.15	0.14	0.00	524.51	0.15	0.01
Cranes	2011	2011Cranes50	50	0.12	2.74	3.70	0.01	0.01	0.01	574.22	0.17	0.01
Cranes	2011	2011Cranes120	120	0.06	0.26	3.70	0.01	0.01	0.00	521.01	0.15	0.01
Cranes	2011	2011Cranes175	175	0.06	0.26	2.20	0.01	0.01	0.00	526.35	0.15	0.01
Cranes	2011	2011Cranes250	250	0.06	0.26	2.20	0.01	0.01	0.00	524.34	0.15	0.01
Cranes	2011	2011Cranes500	500	0.06	0.26	2.20	0.01	0.01	0.00	523.00	0.15	0.01
Cranes	2011	2011Cranes750	750	0.06	0.26	2.20	0.01	0.01	0.00	522.50	0.15	0.01
Cranes	2011	2011Cranes9999	9999	0.33	6.44	1.02	0.15	0.14	0.00	523.19	0.15	0.01
Cranes	2012	2012Cranes50	50	0.12	2.74	3.70	0.01	0.01	0.01	572.78	0.17	0.01
Cranes	2012	2012Cranes120	120	0.06	0.26	3.70	0.01	0.01	0.00	519.36	0.15	0.01
Cranes	2012	2012Cranes175	175	0.06	0.26	2.20	0.01	0.01	0.00	525.01	0.15	0.01
Cranes	2012	2012Cranes250	250	0.06	0.26	2.20	0.01	0.01	0.00	522.98	0.15	0.01
Cranes	2012	2012Cranes500	500	0.06	0.26	2.20	0.01	0.01	0.00	521.64	0.15	0.01
Cranes	2012	2012Cranes750	750	0.06	0.26	2.20	0.01	0.01	0.00	521.11	0.15	0.01
Cranes	2012	2012Cranes9999	9999	0.33	6.48	1.02	0.16	0.14	0.00	521.88	0.15	0.01
Cranes	2013	2013Cranes50	50	0.12	2.74	3.70	0.01	0.01	0.01	569.91	0.17	0.01
Cranes	2013	2013Cranes120	120	0.06	0.26	3.70	0.01	0.01	0.00	516.69	0.15	0.01
Cranes	2013	2013Cranes175	175	0.06	0.26	2.20	0.01	0.01	0.00	522.33	0.15	0.01
Cranes	2013	2013Cranes250	250	0.06	0.26	2.20	0.01	0.01	0.00	520.34	0.15	0.01
Cranes	2013	2013Cranes500	500	0.06	0.26	2.20	0.01	0.01	0.00	519.10	0.15	0.01

Cranes	2013	2013Cranes750	750	0.06	0.26	2.20	0.01	0.01	0.00	518.35	0.15	0.01
Cranes	2013	2013Cranes9999	9999	0.34	6.53	1.03	0.16	0.15	0.00	519.26	0.15	0.01
Cranes	2014	2014Cranes50	50	0.12	2.74	3.70	0.01	0.01	0.01	567.01	0.17	0.01
Cranes	2014	2014Cranes120	120	0.06	0.26	3.70	0.01	0.01	0.00	514.03	0.15	0.01
Cranes	2014	2014Cranes175	175	0.06	0.26	2.20	0.01	0.01	0.00	519.51	0.15	0.01
Cranes	2014	2014Cranes250	250	0.06	0.26	2.20	0.01	0.01	0.00	517.68	0.15	0.01
Cranes	2014	2014Cranes500	500	0.06	0.26	2.20	0.01	0.01	0.00	516.58	0.15	0.01
Cranes	2014	2014Cranes750	750	0.06	0.26	2.20	0.01	0.01	0.00	515.61	0.15	0.01
Cranes	2014	2014Cranes9999	9999	0.12	2.28	0.95	0.05	0.05	0.00	516.64	0.15	0.01
Cranes	2015	2015Cranes50	50	0.12	2.74	3.70	0.01	0.01	0.01	561.22	0.17	0.01
Cranes	2015	2015Cranes120	120	0.06	0.26	3.70	0.01	0.01	0.00	508.84	0.15	0.01
Cranes	2015	2015Cranes175	175	0.06	0.26	2.20	0.01	0.01	0.00	514.26	0.15	0.01
Cranes	2015	2015Cranes250	250	0.06	0.26	2.20	0.01	0.01	0.00	512.45	0.15	0.01
Cranes	2015	2015Cranes500	500	0.06	0.26	2.20	0.01	0.01	0.00	511.20	0.15	0.01
Cranes	2015	2015Cranes750	750	0.06	0.26	2.20	0.01	0.01	0.00	510.33	0.15	0.01
Cranes	2015	2015Cranes9999	9999	0.13	2.29	0.96	0.06	0.05	0.00	511.39	0.15	0.01
Cranes	2016	2016Cranes50	50	0.12	2.74	3.70	0.01	0.01	0.01	555.44	0.17	0.01
Cranes	2016	2016Cranes120	120	0.06	0.26	3.70	0.01	0.01	0.00	503.60	0.15	0.01
Cranes	2016	2016Cranes175	175	0.06	0.26	2.20	0.01	0.01	0.00	508.95	0.15	0.01
Cranes	2016	2016Cranes250	250	0.06	0.26	2.20	0.01	0.01	0.00	507.16	0.15	0.01
Cranes	2016	2016Cranes500	500	0.06	0.26	2.20	0.01	0.01	0.00	506.09	0.15	0.01
Cranes	2016	2016Cranes750	750	0.06	0.26	2.20	0.01	0.01	0.00	505.07	0.15	0.01
Cranes	2016	2016Cranes9999	9999	0.14	2.31	0.97	0.06	0.05	0.00	506.15	0.15	0.01
Cranes	2017	2017Cranes50	50	0.12	2.74	3.70	0.01	0.01	0.01	546.78	0.17	0.01
Cranes	2017	2017Cranes120	120	0.06	0.26	3.70	0.01	0.01	0.00	495.75	0.15	0.01
Cranes	2017	2017Cranes175	175	0.06	0.26	2.20	0.01	0.01	0.00	501.09	0.15	0.01
Cranes	2017	2017Cranes250	250	0.06	0.26	2.20	0.01	0.01	0.00	499.37	0.15	0.01
Cranes	2017	2017Cranes500	500	0.06	0.26	2.20	0.01	0.01	0.00	498.44	0.15	0.01
Cranes	2017	2017Cranes750	750	0.06	0.26	2.20	0.01	0.01	0.00	497.19	0.15	0.01
Cranes	2017	2017Cranes9999	9999	0.15	2.32	0.97	0.06	0.05	0.00	498.28	0.15	0.01
Cranes	2018	2018Cranes50	50	0.12	2.74	3.70	0.01	0.01	0.01	538.12	0.17	0.01
Cranes	2018	2018Cranes120	120	0.06	0.26	3.70	0.01	0.01	0.00	488.12	0.15	0.01
Cranes	2018	2018Cranes175	175	0.06	0.26	2.20	0.01	0.01	0.00	493.05	0.15	0.01
Cranes	2018	2018Cranes250	250	0.06	0.26	2.20	0.01	0.01	0.00	491.41	0.15	0.01
Cranes	2018	2018Cranes500	500	0.06	0.26	2.20	0.01	0.01	0.00	490.89	0.15	0.01
Cranes	2018	2018Cranes750	750	0.06	0.26	2.20	0.01	0.01	0.00	489.05	0.15	0.01
Cranes	2018	2018Cranes9999	9999	0.16	2.34	0.98	0.06	0.05	0.00	490.41	0.15	0.01
Cranes	2019	2019Cranes50	50	0.12	2.74	3.70	0.01	0.01	0.01	529.46	0.17	0.01
Cranes	2019	2019Cranes120	120	0.06	0.26	3.70	0.01	0.01	0.00	480.33	0.15	0.01
Cranes	2019	2019Cranes175	175	0.06	0.26	2.20	0.01	0.01	0.00	485.18	0.15	0.01
Cranes	2019	2019Cranes250	250	0.06	0.26	2.20	0.01	0.01	0.00	483.46	0.15	0.01
Cranes	2019	2019Cranes500	500	0.06	0.26	2.20	0.01	0.01	0.00	483.14	0.15	0.01
Cranes	2019	2019Cranes750	750	0.06	0.26	2.20	0.01	0.01	0.00	481.12	0.15	0.01
Cranes	2019	2019Cranes9999	9999	0.17	2.35	0.99	0.06	0.05	0.00	482.54	0.15	0.01
Cranes	2020	2020Cranes50	50	0.12	2.74	3.70	0.01	0.01	0.01	517.93	0.17	0.01
Cranes	2020	2020Cranes120	120	0.06	0.26	3.70	0.01	0.01	0.00	469.88	0.15	0.01
Cranes	2020	2020Cranes175	175	0.06	0.26	2.20	0.01	0.01	0.00	474.59	0.15	0.01
Cranes	2020	2020Cranes250	250	0.06	0.26	2.20	0.01	0.01	0.00	472.95	0.15	0.01
Cranes	2020	2020Cranes500	500	0.06	0.26	2.20	0.01	0.01	0.00	472.56	0.15	0.01
Cranes	2020	2020Cranes750	750	0.06	0.26	2.20	0.01	0.01	0.00	470.43	0.15	0.01
Cranes	2020	2020Cranes9999	9999	0.18	2.36	1.00	0.06	0.06	0.00	472.05	0.15	0.01
Cranes	2021	2021Cranes50	50	0.12	2.74	3.70	0.01	0.01	0.01	517.90	0.17	0.01
Cranes	2021	2021Cranes120	120	0.06	0.26	3.70	0.01	0.01	0.00	469.89	0.15	0.01
Cranes	2021	2021Cranes175	175	0.06	0.26	2.20	0.01	0.01	0.00	474.55	0.15	0.01
Cranes	2021	2021Cranes250	250	0.06	0.26	2.20	0.01	0.01	0.00	472.91	0.15	0.01
Cranes	2021	2021Cranes500	500	0.06	0.26	2.20	0.01	0.01	0.00	472.46	0.15	0.01
Cranes	2021	2021Cranes750	750	0.06	0.26	2.20	0.01	0.01	0.00	470.55	0.15	0.01
Cranes	2021	2021Cranes9999	9999	0.19	2.37	1.01	0.06	0.06	0.00	472.05	0.15	0.01
Cranes	2022	2022Cranes50	50	0.12	2.74	3.70	0.01	0.01	0.01	517.87	0.17	0.01
Cranes	2022	2022Cranes120	120	0.06	0.26	3.70	0.01	0.01	0.00	469.99	0.15	0.01
Cranes	2022	2022Cranes175	175	0.06	0.26	2.20	0.01	0.01	0.00	474.59	0.15	0.01
Cranes	2022	2022Cranes250	250	0.06	0.26	2.20	0.01	0.01	0.00	472.98	0.15	0.01
Cranes	2022	2022Cranes500	500	0.06	0.26	2.20	0.01	0.01	0.00	472.18	0.15	0.01
Cranes	2022	2022Cranes750	750	0.06	0.26	2.20	0.01	0.01	0.00	470.48	0.15	0.01
Cranes	2022	2022Cranes9999	9999	0.20	2.39	1.02	0.06	0.06	0.00	472.05	0.15	0.01
Cranes	2023	2023Cranes50	50	0.12	2.74	3.70	0.01	0.01	0.01	517.87	0.17	0.01
Cranes	2023	2023Cranes120	120	0.06	0.26	3.70	0.01	0.01	0.00	469.89	0.15	0.01
Cranes	2023	2023Cranes175	175	0.06	0.26	2.20	0.01	0.01	0.00	474.60	0.15	0.01
Cranes	2023	2023Cranes250	250	0.06	0.26	2.20	0.01	0.01	0.00	472.97	0.15	0.01
Cranes	2023	2023Cranes500	500	0.06	0.26	2.20	0.01	0.01	0.00	472.29	0.15	0.01
Cranes	2023	2023Cranes750	750	0.06	0.26	2.20	0.01	0.01	0.00	470.25	0.15	0.01
Cranes	2023	2023Cranes9999	9999	0.21	2.40	1.02	0.06	0.06	0.00	472.05	0.15	0.01
Cranes	2024	2024Cranes50	50	0.12	2.74	3.70	0.01	0.01	0.01	517.87	0.17	0.01
Cranes	2024	2024Cranes120	120	0.06	0.26	3.70	0.01	0.01	0.00	469.90	0.15	0.01
Cranes	2024	2024Cranes175	175	0.06	0.26	2.20	0.01	0.01	0.00	474.64	0.15	0.01
Cranes	2024	2024Cranes250	250	0.06	0.26	2.20	0.01	0.01	0.00	472.96	0.15	0.01
Cranes	2024	2024Cranes500	500	0.06	0.26	2.20	0.01	0.01	0.00	472.07	0.15	0.01
Cranes	2024	2024Cranes750	750	0.06	0.26	2.20	0.01	0.01	0.00	470.33	0.15	0.01
Cranes	2024	2024Cranes9999	9999	0.22	2.41	1.03	0.06	0.06	0.00	472.05	0.15	0.01
Cranes	2025	2025Cranes50	50	0.12	2.74	3.70	0.01	0.01	0.01	517.87	0.17	0.01
Cranes	2025	2025Cranes120	120	0.06	0.26	3.70	0.01	0.01	0.00	469.53	0.15	0.01
Cranes	2025	2025Cranes175	175	0.06	0.26	2.20	0.01	0.01	0.00	474.75	0.15	0.01
Cranes	2025	2025Cranes250	250	0.06	0.26	2.20	0.01	0.01	0.00	472.98	0.15	0.01
Cranes	2025	2025Cranes500	500	0.06	0.26	2.20	0.01	0.01	0.00	471.97	0.15	0.01
Cranes	2025	2025Cranes750	750	0.06	0.26	2.20	0.01	0.01	0.00	470.28	0.15	0.01
Cranes	2025	2025Cranes9999	9999	0.23	2.42	1.04	0.06	0.06	0.00	472.05	0.15	0.01
Cranes	2030	2030Cranes50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.06	0.01
Cranes	2030	2030Cranes120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Cranes	2030	2030Cranes175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Cranes	2030	2030Cranes250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Cranes	2030	2030Cranes500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Cranes	2030	2030Cranes750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Cranes	2030	2030Cranes9999	9999	0.25	2.80	1.11	0.04	0.04	0.01	568.30	0.02	0.01
Cranes	2035	2035Cranes50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Cranes	2035	2035Cranes120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Cranes	2035	2035Cranes175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Cranes	2035	2035Cranes250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Cranes	2035	2035Cranes500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Cranes	2035	2035Cranes750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Cranes	2035	2035Cranes9999	9999	0.21	2.62	1.09	0.03	0.03	0.01	568.30	0.02	0.01
Cranes	2040	2040Cranes50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Cranes	2040	2040Cranes120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Cranes	2040	2040Cranes175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Cranes	2040	2040Cranes250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Cranes	2040	2040Cranes500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Cranes	2040	2040Cranes750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Cranes	2040	2040Cranes9999	9999	0.20	2.53	1.09	0.03	0.03	0.01	568.30	0.02	0.01
Crawler Tractors	1990	1990Crawler Tractors50	50	0.12	2.74	3.70	0.01	0.01	0.87	568.30	0.44	0.01
Crawler Tractors	1990	1990Crawler Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.79	568.30	0.21	0.01
Crawler Tractors	1990	1990Crawler Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.76	568.30	0.16	0.01
Crawler Tractors	1990	1990Crawler Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.76	568.30	0.16	0.01
Crawler Tractors	1990	1990Crawler Tractors500	500	0.06	0.26	2.20	0.01	0.01	0.66	568.30	0.14	0.01
Crawler Tractors	1990	1990Crawler Tractors750	750	0.06	0.26	2.20	0.01	0.01	1.02	568.30	0.14	0.01
Crawler Tractors	1990	1990Crawler Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	1.02	568.30	0.14	0.01
Crawler Tractors	2000	2000Crawler Tractors50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.43	0.01
Crawler Tractors	2000	2000Crawler Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.18	0.01
Crawler Tractors	2000	2000Crawler Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.12	0.01
Crawler Tractors	2000	2000Crawler Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.11	0.01
Crawler Tractors	2000	2000Crawler Tractors500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.09	0.01
Crawler Tractors	2000	2000Crawler Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.09	0.01
Crawler Tractors	2000	2000Crawler Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.05	568.30	0.10	0.01
Crawler Tractors	2005	2005Crawler Tractors50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.39	0.01
Crawler Tractors	2005	2005Crawler Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.16	0.01
Crawler Tractors	2005	2005Crawler Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.10	0.01
Crawler Tractors	2005	2005Crawler Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.08	0.01
Crawler Tractors	2005	2005Crawler Tractors500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.07	0.01
Crawler Tractors	2005	2005Crawler Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.07	0.01
Crawler Tractors	2005	2005Crawler Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.05	568.30	0.08	0.01
Crawler Tractors	2010	2010Crawler Tractors50	50	0.12	2.74	3.70	0.01	0.01	0.01	572.97	0.17	0.01
Crawler Tractors	2010	2010Crawler Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.00	530.02	0.15	0.01
Crawler Tractors	2010	2010Crawler Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.00	524.50	0.15	0.01
Crawler Tractors	2010	2010Crawler Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.00	526.14	0.15	0.01
Crawler Tractors	2010	2010Crawler Tractors500	500	0.06	0.26	2.20	0.01	0.01	0.00	528.68	0.15	0.01
Crawler Tractors	2010	2010Crawler Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.00	525.94	0.15	0.01
Crawler Tractors	2010	2010Crawler Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	527.60	0.15	0.01
Crawler Tractors	2011	2011Crawler Tractors50	50	0.12	2.74	3.70	0.01	0.01	0.01	571.25	0.17	0.01
Crawler Tractors	2011	2011Crawler Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.00	528.55	0.15	0.01
Crawler Tractors	2011	2011Crawler Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.00	523.11	0.15	0.01
Crawler Tractors	2011	2011Crawler Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.00	524.89	0.15	0.01
Crawler Tractors	2011	2011Crawler Tractors500	500	0.06	0.26	2.20	0.01	0.01	0.00	527.40	0.15	0.01
Crawler Tractors	2011	2011Crawler Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.00	524.96	0.15	0.01
Crawler Tractors	2011	2011Crawler Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	526.35	0.15	0.01

Crawler Tractors	2012	2012Crawler Tractors50	50	0.12	2.74	3.70	0.01	0.01	0.01	569.89	0.17	0.01
Crawler Tractors	2012	2012Crawler Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.00	527.22	0.15	0.01
Crawler Tractors	2012	2012Crawler Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.00	521.77	0.15	0.01
Crawler Tractors	2012	2012Crawler Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.00	523.53	0.15	0.01
Crawler Tractors	2012	2012Crawler Tractors500	500	0.06	0.26	2.20	0.01	0.01	0.00	526.02	0.15	0.01
Crawler Tractors	2012	2012Crawler Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.00	523.71	0.15	0.01
Crawler Tractors	2012	2012Crawler Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	525.11	0.15	0.01
Crawler Tractors	2013	2013Crawler Tractors50	50	0.12	2.74	3.70	0.01	0.01	0.01	567.35	0.17	0.01
Crawler Tractors	2013	2013Crawler Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.00	524.59	0.15	0.01
Crawler Tractors	2013	2013Crawler Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.00	519.07	0.15	0.01
Crawler Tractors	2013	2013Crawler Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.00	520.72	0.15	0.01
Crawler Tractors	2013	2013Crawler Tractors500	500	0.06	0.26	2.20	0.01	0.01	0.00	523.56	0.15	0.01
Crawler Tractors	2013	2013Crawler Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.00	520.57	0.15	0.01
Crawler Tractors	2013	2013Crawler Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	522.55	0.15	0.01
Crawler Tractors	2014	2014Crawler Tractors50	50	0.12	2.74	3.70	0.01	0.01	0.01	564.56	0.17	0.01
Crawler Tractors	2014	2014Crawler Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.00	522.12	0.15	0.01
Crawler Tractors	2014	2014Crawler Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.00	516.40	0.15	0.01
Crawler Tractors	2014	2014Crawler Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.00	518.04	0.15	0.01
Crawler Tractors	2014	2014Crawler Tractors500	500	0.06	0.26	2.20	0.01	0.01	0.00	520.52	0.15	0.01
Crawler Tractors	2014	2014Crawler Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.00	517.86	0.15	0.01
Crawler Tractors	2014	2014Crawler Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	520.01	0.15	0.01
Crawler Tractors	2015	2015Crawler Tractors50	50	0.12	2.74	3.70	0.01	0.01	0.01	558.89	0.17	0.01
Crawler Tractors	2015	2015Crawler Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.00	516.84	0.15	0.01
Crawler Tractors	2015	2015Crawler Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.00	511.31	0.15	0.01
Crawler Tractors	2015	2015Crawler Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.00	512.90	0.15	0.01
Crawler Tractors	2015	2015Crawler Tractors500	500	0.06	0.26	2.20	0.01	0.01	0.00	515.37	0.15	0.01
Crawler Tractors	2015	2015Crawler Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.00	512.54	0.15	0.01
Crawler Tractors	2015	2015Crawler Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	514.83	0.15	0.01
Crawler Tractors	2016	2016Crawler Tractors50	50	0.12	2.74	3.70	0.01	0.01	0.01	553.21	0.17	0.01
Crawler Tractors	2016	2016Crawler Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.00	511.27	0.15	0.01
Crawler Tractors	2016	2016Crawler Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.00	506.03	0.15	0.01
Crawler Tractors	2016	2016Crawler Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.00	507.36	0.15	0.01
Crawler Tractors	2016	2016Crawler Tractors500	500	0.06	0.26	2.20	0.01	0.01	0.00	510.34	0.15	0.01
Crawler Tractors	2016	2016Crawler Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.00	507.25	0.15	0.01
Crawler Tractors	2016	2016Crawler Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	509.67	0.15	0.01
Crawler Tractors	2017	2017Crawler Tractors50	50	0.12	2.74	3.70	0.01	0.01	0.01	544.68	0.17	0.01
Crawler Tractors	2017	2017Crawler Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.00	503.28	0.15	0.01
Crawler Tractors	2017	2017Crawler Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.00	498.12	0.15	0.01
Crawler Tractors	2017	2017Crawler Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.00	499.83	0.15	0.01
Crawler Tractors	2017	2017Crawler Tractors500	500	0.06	0.26	2.20	0.01	0.01	0.00	502.42	0.15	0.01
Crawler Tractors	2017	2017Crawler Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.00	499.10	0.15	0.01
Crawler Tractors	2017	2017Crawler Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	501.88	0.15	0.01
Crawler Tractors	2018	2018Crawler Tractors50	50	0.12	2.74	3.70	0.01	0.01	0.01	536.14	0.17	0.01
Crawler Tractors	2018	2018Crawler Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.00	494.92	0.15	0.01
Crawler Tractors	2018	2018Crawler Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.00	490.00	0.15	0.01
Crawler Tractors	2018	2018Crawler Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.00	491.61	0.15	0.01
Crawler Tractors	2018	2018Crawler Tractors500	500	0.06	0.26	2.20	0.01	0.01	0.00	493.51	0.15	0.01
Crawler Tractors	2018	2018Crawler Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.00	491.27	0.15	0.01
Crawler Tractors	2018	2018Crawler Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	494.11	0.15	0.01
Crawler Tractors	2019	2019Crawler Tractors50	50	0.12	2.74	3.70	0.01	0.01	0.01	525.98	0.17	0.01
Crawler Tractors	2019	2019Crawler Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.00	486.99	0.15	0.01
Crawler Tractors	2019	2019Crawler Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.00	481.62	0.15	0.01
Crawler Tractors	2019	2019Crawler Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.00	483.45	0.15	0.01
Crawler Tractors	2019	2019Crawler Tractors500	500	0.06	0.26	2.20	0.01	0.01	0.00	485.86	0.15	0.01
Crawler Tractors	2019	2019Crawler Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.00	483.39	0.15	0.01
Crawler Tractors	2019	2019Crawler Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	486.25	0.15	0.01
Crawler Tractors	2020	2020Crawler Tractors50	50	0.12	2.74	3.70	0.01	0.01	0.01	515.68	0.17	0.01
Crawler Tractors	2020	2020Crawler Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.00	476.33	0.15	0.01
Crawler Tractors	2020	2020Crawler Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.00	471.01	0.15	0.01
Crawler Tractors	2020	2020Crawler Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.00	472.94	0.15	0.01
Crawler Tractors	2020	2020Crawler Tractors500	500	0.06	0.26	2.20	0.01	0.01	0.00	475.23	0.15	0.01
Crawler Tractors	2020	2020Crawler Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.00	473.31	0.15	0.01
Crawler Tractors	2020	2020Crawler Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	475.65	0.15	0.01
Crawler Tractors	2021	2021Crawler Tractors50	50	0.12	2.74	3.70	0.01	0.01	0.01	516.11	0.17	0.01
Crawler Tractors	2021	2021Crawler Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.00	476.44	0.15	0.01
Crawler Tractors	2021	2021Crawler Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.00	471.42	0.15	0.01
Crawler Tractors	2021	2021Crawler Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.00	472.92	0.15	0.01
Crawler Tractors	2021	2021Crawler Tractors500	500	0.06	0.26	2.20	0.01	0.01	0.00	474.48	0.15	0.01
Crawler Tractors	2021	2021Crawler Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.00	473.09	0.15	0.01
Crawler Tractors	2021	2021Crawler Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	471.82	0.15	0.01
Crawler Tractors	2022	2022Crawler Tractors50	50	0.12	2.74	3.70	0.01	0.01	0.01	516.15	0.17	0.01
Crawler Tractors	2022	2022Crawler Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.00	476.02	0.15	0.01
Crawler Tractors	2022	2022Crawler Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.00	471.57	0.15	0.01
Crawler Tractors	2022	2022Crawler Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.00	472.10	0.15	0.01
Crawler Tractors	2022	2022Crawler Tractors500	500	0.06	0.26	2.20	0.01	0.01	0.00	474.41	0.15	0.01
Crawler Tractors	2022	2022Crawler Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.00	472.88	0.15	0.01
Crawler Tractors	2022	2022Crawler Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	470.70	0.15	0.01
Crawler Tractors	2023	2023Crawler Tractors50	50	0.12	2.74	3.70	0.01	0.01	0.01	516.16	0.17	0.01
Crawler Tractors	2023	2023Crawler Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.00	476.16	0.15	0.01
Crawler Tractors	2023	2023Crawler Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.00	471.78	0.15	0.01
Crawler Tractors	2023	2023Crawler Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.00	471.62	0.15	0.01
Crawler Tractors	2023	2023Crawler Tractors500	500	0.06	0.26	2.20	0.01	0.01	0.00	474.61	0.15	0.01
Crawler Tractors	2023	2023Crawler Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.00	472.53	0.15	0.01
Crawler Tractors	2023	2023Crawler Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	473.67	0.15	0.01
Crawler Tractors	2024	2024Crawler Tractors50	50	0.12	2.74	3.70	0.01	0.01	0.01	515.47	0.17	0.01
Crawler Tractors	2024	2024Crawler Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.00	476.23	0.15	0.01
Crawler Tractors	2024	2024Crawler Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.00	471.83	0.15	0.01
Crawler Tractors	2024	2024Crawler Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.00	471.86	0.15	0.01
Crawler Tractors	2024	2024Crawler Tractors500	500	0.06	0.26	2.20	0.01	0.01	0.00	474.02	0.15	0.01
Crawler Tractors	2024	2024Crawler Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.00	472.28	0.15	0.01
Crawler Tractors	2024	2024Crawler Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	474.64	0.15	0.01
Crawler Tractors	2025	2025Crawler Tractors50	50	0.12	2.74	3.70	0.01	0.01	0.01	516.13	0.17	0.01
Crawler Tractors	2025	2025Crawler Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.00	476.13	0.15	0.01
Crawler Tractors	2025	2025Crawler Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.00	471.59	0.15	0.01
Crawler Tractors	2025	2025Crawler Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.00	471.62	0.15	0.01
Crawler Tractors	2025	2025Crawler Tractors500	500	0.06	0.26	2.20	0.01	0.01	0.00	474.01	0.15	0.01
Crawler Tractors	2025	2025Crawler Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.00	472.41	0.15	0.01
Crawler Tractors	2025	2025Crawler Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	475.49	0.15	0.01
Crawler Tractors	2030	2030Crawler Tractors50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.08	0.01
Crawler Tractors	2030	2030Crawler Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Crawler Tractors	2030	2030Crawler Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Crawler Tractors	2030	2030Crawler Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Crawler Tractors	2030	2030Crawler Tractors500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Crawler Tractors	2030	2030Crawler Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Crawler Tractors	2030	2030Crawler Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.02	0.01
Crawler Tractors	2035	2035Crawler Tractors50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.06	0.01
Crawler Tractors	2035	2035Crawler Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Crawler Tractors	2035	2035Crawler Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Crawler Tractors	2035	2035Crawler Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Crawler Tractors	2035	2035Crawler Tractors500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Crawler Tractors	2035	2035Crawler Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Crawler Tractors	2035	2035Crawler Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.02	0.01
Crawler Tractors	2040	2040Crawler Tractors50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.06	0.01
Crawler Tractors	2040	2040Crawler Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Crawler Tractors	2040	2040Crawler Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Crawler Tractors	2040	2040Crawler Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Crawler Tractors	2040	2040Crawler Tractors500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Crawler Tractors	2040	2040Crawler Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Crawler Tractors	2040	2040Crawler Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	1990	1990Crushing/Proc. Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.87	568.30	0.40	0.01
Crushing/Proc. Equipment	1990	1990Crushing/Proc. Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.79	568.30	0.20	0.01
Crushing/Proc. Equipment	1990	1990Crushing/Proc. Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.76	568.30	0.14	0.01
Crushing/Proc. Equipment	1990	1990Crushing/Proc. Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.76	568.30	0.14	0.01
Crushing/Proc. Equipment	1990	1990Crushing/Proc. Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.66	568.30	0.12	0.01
Crushing/Proc. Equipment	1990	1990Crushing/Proc. Equipment750	750	0.06	0.26	2.20	0.01	0.01	1.02	568.30	0.12	0.01
Crushing/Proc. Equipment	1990	1990Crushing/Proc. Equipment9999	9999	1.37	12.49	10.18	0.73	0.73	1.02	568.30	0.12	0.01
Crushing/Proc. Equipment	2000	2000Crushing/Proc. Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.37	0.01
Crushing/Proc. Equipment	2000	2000Crushing/Proc. Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.16	0.01
Crushing/Proc. Equipment	2000	2000Crushing/Proc. Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.11	0.01
Crushing/Proc. Equipment	2000	2000Crushing/Proc. Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.09	0.01
Crushing/Proc. Equipment	2000	2000Crushing/Proc. Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.08	0.01
Crushing/Proc. Equipment	2000	2000Crushing/Proc. Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.08	0.01
Crushing/Proc. Equipment	2000	2000Crushing/Proc. Equipment9999	9999	0.99	9.14	5.33	0.37	0.37	0.05	568.30	0.09	0.01
Crushing/Proc. Equipment	2005	2005Crushing/Proc. Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.33	0.01
Crushing/Proc. Equipment	2005	2005Crushing/Proc. Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.14	0.01
Crushing/Proc. Equipment	2005	2005Crushing/Proc. Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.09	0.01
Crushing/Proc. Equipment	2005	2005Crushing/Proc. Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.06	0.01
Crushing/Proc. Equipment	2005	2005Crushing/Proc. Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.06	0.01
Crushing/Proc. Equipment	2005	2005Crushing/Proc. Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.06	0.01
Crushing/Proc. Equipment	2005	2005Crushing/Proc. Equipment9999	9999	0.77	8.05	3.04	0.27	0.27	0.05	568.30	0.07	0.01
Crushing/Proc. Equipment	2010	2010Crushing/Proc. Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.26	0.01
Crushing/Proc. Equipment	2010	2010Crushing/Proc. Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.11	0.01

Crushing/Proc. Equipment	2010	2010Crushing/Proc. Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.07	0.01
Crushing/Proc. Equipment	2010	2010Crushing/Proc. Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.05	0.01
Crushing/Proc. Equipment	2010	2010Crushing/Proc. Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Crushing/Proc. Equipment	2010	2010Crushing/Proc. Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Crushing/Proc. Equipment	2010	2010Crushing/Proc. Equipment9999	9999	0.60	6.99	2.09	0.21	0.21	0.01	568.30	0.05	0.01
Crushing/Proc. Equipment	2011	2011Crushing/Proc. Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.25	0.01
Crushing/Proc. Equipment	2011	2011Crushing/Proc. Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.10	0.01
Crushing/Proc. Equipment	2011	2011Crushing/Proc. Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.07	0.01
Crushing/Proc. Equipment	2011	2011Crushing/Proc. Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Crushing/Proc. Equipment	2011	2011Crushing/Proc. Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Crushing/Proc. Equipment	2011	2011Crushing/Proc. Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Crushing/Proc. Equipment	2011	2011Crushing/Proc. Equipment9999	9999	0.56	6.61	1.92	0.20	0.20	0.01	568.30	0.05	0.01
Crushing/Proc. Equipment	2012	2012Crushing/Proc. Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.22	0.01
Crushing/Proc. Equipment	2012	2012Crushing/Proc. Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.09	0.01
Crushing/Proc. Equipment	2012	2012Crushing/Proc. Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.06	0.01
Crushing/Proc. Equipment	2012	2012Crushing/Proc. Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Crushing/Proc. Equipment	2012	2012Crushing/Proc. Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Crushing/Proc. Equipment	2012	2012Crushing/Proc. Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Crushing/Proc. Equipment	2012	2012Crushing/Proc. Equipment9999	9999	0.53	6.20	1.76	0.18	0.18	0.01	568.30	0.05	0.01
Crushing/Proc. Equipment	2013	2013Crushing/Proc. Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.20	0.01
Crushing/Proc. Equipment	2013	2013Crushing/Proc. Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.09	0.01
Crushing/Proc. Equipment	2013	2013Crushing/Proc. Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.06	0.01
Crushing/Proc. Equipment	2013	2013Crushing/Proc. Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Crushing/Proc. Equipment	2013	2013Crushing/Proc. Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Crushing/Proc. Equipment	2013	2013Crushing/Proc. Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Crushing/Proc. Equipment	2013	2013Crushing/Proc. Equipment9999	9999	0.49	5.79	1.60	0.17	0.17	0.01	568.30	0.04	0.01
Crushing/Proc. Equipment	2014	2014Crushing/Proc. Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.18	0.01
Crushing/Proc. Equipment	2014	2014Crushing/Proc. Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.08	0.01
Crushing/Proc. Equipment	2014	2014Crushing/Proc. Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.06	0.01
Crushing/Proc. Equipment	2014	2014Crushing/Proc. Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Crushing/Proc. Equipment	2014	2014Crushing/Proc. Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2014	2014Crushing/Proc. Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2014	2014Crushing/Proc. Equipment9999	9999	0.46	5.39	1.46	0.16	0.16	0.01	568.30	0.04	0.01
Crushing/Proc. Equipment	2015	2015Crushing/Proc. Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.16	0.01
Crushing/Proc. Equipment	2015	2015Crushing/Proc. Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.07	0.01
Crushing/Proc. Equipment	2015	2015Crushing/Proc. Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.05	0.01
Crushing/Proc. Equipment	2015	2015Crushing/Proc. Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2015	2015Crushing/Proc. Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2015	2015Crushing/Proc. Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2015	2015Crushing/Proc. Equipment9999	9999	0.42	5.02	1.34	0.14	0.14	0.01	568.30	0.04	0.01
Crushing/Proc. Equipment	2016	2016Crushing/Proc. Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.14	0.01
Crushing/Proc. Equipment	2016	2016Crushing/Proc. Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.07	0.01
Crushing/Proc. Equipment	2016	2016Crushing/Proc. Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.05	0.01
Crushing/Proc. Equipment	2016	2016Crushing/Proc. Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2016	2016Crushing/Proc. Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2016	2016Crushing/Proc. Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2016	2016Crushing/Proc. Equipment9999	9999	0.40	4.70	1.27	0.13	0.13	0.01	568.30	0.04	0.01
Crushing/Proc. Equipment	2017	2017Crushing/Proc. Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.13	0.01
Crushing/Proc. Equipment	2017	2017Crushing/Proc. Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.06	0.01
Crushing/Proc. Equipment	2017	2017Crushing/Proc. Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Crushing/Proc. Equipment	2017	2017Crushing/Proc. Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2017	2017Crushing/Proc. Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2017	2017Crushing/Proc. Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2017	2017Crushing/Proc. Equipment9999	9999	0.38	4.42	1.23	0.12	0.12	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2018	2018Crushing/Proc. Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.11	0.01
Crushing/Proc. Equipment	2018	2018Crushing/Proc. Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Crushing/Proc. Equipment	2018	2018Crushing/Proc. Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Crushing/Proc. Equipment	2018	2018Crushing/Proc. Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2018	2018Crushing/Proc. Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2018	2018Crushing/Proc. Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2018	2018Crushing/Proc. Equipment9999	9999	0.36	4.17	1.20	0.11	0.11	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2019	2019Crushing/Proc. Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.10	0.01
Crushing/Proc. Equipment	2019	2019Crushing/Proc. Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Crushing/Proc. Equipment	2019	2019Crushing/Proc. Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Crushing/Proc. Equipment	2019	2019Crushing/Proc. Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2019	2019Crushing/Proc. Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2019	2019Crushing/Proc. Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2019	2019Crushing/Proc. Equipment9999	9999	0.35	3.93	1.17	0.10	0.10	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2020	2020Crushing/Proc. Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.09	0.01
Crushing/Proc. Equipment	2020	2020Crushing/Proc. Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Crushing/Proc. Equipment	2020	2020Crushing/Proc. Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2020	2020Crushing/Proc. Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2020	2020Crushing/Proc. Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2020	2020Crushing/Proc. Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2020	2020Crushing/Proc. Equipment9999	9999	0.33	3.70	1.15	0.09	0.09	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2021	2021Crushing/Proc. Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.08	0.01
Crushing/Proc. Equipment	2021	2021Crushing/Proc. Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Crushing/Proc. Equipment	2021	2021Crushing/Proc. Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2021	2021Crushing/Proc. Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2021	2021Crushing/Proc. Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2021	2021Crushing/Proc. Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2021	2021Crushing/Proc. Equipment9999	9999	0.31	3.49	1.14	0.08	0.08	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2022	2022Crushing/Proc. Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.07	0.01
Crushing/Proc. Equipment	2022	2022Crushing/Proc. Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Crushing/Proc. Equipment	2022	2022Crushing/Proc. Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2022	2022Crushing/Proc. Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2022	2022Crushing/Proc. Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2022	2022Crushing/Proc. Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2022	2022Crushing/Proc. Equipment9999	9999	0.30	3.31	1.12	0.07	0.07	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2023	2023Crushing/Proc. Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.07	0.01
Crushing/Proc. Equipment	2023	2023Crushing/Proc. Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2023	2023Crushing/Proc. Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2023	2023Crushing/Proc. Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2023	2023Crushing/Proc. Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2023	2023Crushing/Proc. Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2023	2023Crushing/Proc. Equipment9999	9999	0.29	3.16	1.11	0.07	0.07	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2024	2024Crushing/Proc. Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.06	0.01
Crushing/Proc. Equipment	2024	2024Crushing/Proc. Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2024	2024Crushing/Proc. Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2024	2024Crushing/Proc. Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2024	2024Crushing/Proc. Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2024	2024Crushing/Proc. Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2024	2024Crushing/Proc. Equipment9999	9999	0.27	3.03	1.10	0.06	0.06	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2025	2025Crushing/Proc. Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.06	0.01
Crushing/Proc. Equipment	2025	2025Crushing/Proc. Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2025	2025Crushing/Proc. Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2025	2025Crushing/Proc. Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2025	2025Crushing/Proc. Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2025	2025Crushing/Proc. Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2025	2025Crushing/Proc. Equipment9999	9999	0.26	2.91	1.09	0.05	0.05	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2030	2030Crushing/Proc. Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Crushing/Proc. Equipment	2030	2030Crushing/Proc. Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2030	2030Crushing/Proc. Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2030	2030Crushing/Proc. Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2030	2030Crushing/Proc. Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2030	2030Crushing/Proc. Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2030	2030Crushing/Proc. Equipment9999	9999	0.20	2.59	1.06	0.03	0.03	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2035	2035Crushing/Proc. Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Crushing/Proc. Equipment	2035	2035Crushing/Proc. Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2035	2035Crushing/Proc. Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2035	2035Crushing/Proc. Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2035	2035Crushing/Proc. Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2035	2035Crushing/Proc. Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2035	2035Crushing/Proc. Equipment9999	9999	0.18	2.48	1.06	0.03	0.03	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2040	2040Crushing/Proc. Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Crushing/Proc. Equipment	2040	2040Crushing/Proc. Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2040	2040Crushing/Proc. Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2040	2040Crushing/Proc. Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2040	2040Crushing/Proc. Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2040	2040Crushing/Proc. Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2040	2040Crushing/Proc. Equipment9999	9999	0.17	2.46	1.06	0.02	0.02	0.01	568.30	0.02	0.01
Dumpers/Tenders	1990	1990Dumpers/Tenders25	25	0.12	2.75	4.10	0.01	0.01	0.86	568.30	0.20	0.01
Dumpers/Tenders	2000	2000Dumpers/Tenders25	25	0.12	2.75	4.10	0.01	0.01	0.07	568.30	0.18	0.01
Dumpers/Tenders	2005	2005Dumpers/Tenders25	25	0.12	2.75	4.10	0.01	0.01	0.07	568.30	0.12	0.01
Dumpers/Tenders	2010	2010Dumpers/Tenders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Dumpers/Tenders	2011	2011Dumpers/Tenders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Dumpers/Tenders	2012	2012Dumpers/Tenders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Dumpers/Tenders	2013	2013Dumpers/Tenders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Dumpers/Tenders	2014	2014Dumpers/Tenders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Dumpers/Tenders	2015	2015Dumpers/Tenders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Dumpers/Tenders	2016	2016Dumpers/Tenders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Dumpers/Tenders	2017	2017Dumpers/Tenders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01

Dumpers/Tenders	2018	2018Dumpers/Tenders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Dumpers/Tenders	2019	2019Dumpers/Tenders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Dumpers/Tenders	2020	2020Dumpers/Tenders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Dumpers/Tenders	2021	2021Dumpers/Tenders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Dumpers/Tenders	2022	2022Dumpers/Tenders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Dumpers/Tenders	2023	2023Dumpers/Tenders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Dumpers/Tenders	2024	2024Dumpers/Tenders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Dumpers/Tenders	2025	2025Dumpers/Tenders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Dumpers/Tenders	2030	2030Dumpers/Tenders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Dumpers/Tenders	2035	2035Dumpers/Tenders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Dumpers/Tenders	2040	2040Dumpers/Tenders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Excavators	1990	1990Excavators25	25	0.12	2.75	4.10	0.01	0.01	0.86	568.30	0.20	0.01
Excavators	1990	1990Excavators50	50	0.12	2.74	3.70	0.01	0.01	0.87	568.30	0.47	0.01
Excavators	1990	1990Excavators120	120	0.06	0.26	3.70	0.01	0.01	0.79	568.30	0.22	0.01
Excavators	1990	1990Excavators175	175	0.06	0.26	2.20	0.01	0.01	0.76	568.30	0.18	0.01
Excavators	1990	1990Excavators250	250	0.06	0.26	2.20	0.01	0.01	0.76	568.30	0.18	0.01
Excavators	1990	1990Excavators500	500	0.06	0.26	2.20	0.01	0.01	0.66	568.30	0.15	0.01
Excavators	1990	1990Excavators750	750	0.06	0.26	2.20	0.01	0.01	1.02	568.30	0.15	0.01
Excavators	2000	2000Excavators25	25	0.12	2.75	4.10	0.01	0.01	0.07	568.30	0.17	0.01
Excavators	2000	2000Excavators50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.42	0.01
Excavators	2000	2000Excavators120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.16	0.01
Excavators	2000	2000Excavators175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.11	0.01
Excavators	2000	2000Excavators250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.09	0.01
Excavators	2000	2000Excavators500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.08	0.01
Excavators	2000	2000Excavators750	750	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.08	0.01
Excavators	2005	2005Excavators25	25	0.12	2.75	4.10	0.01	0.01	0.07	568.30	0.07	0.01
Excavators	2005	2005Excavators50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.36	0.01
Excavators	2005	2005Excavators120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.14	0.01
Excavators	2005	2005Excavators175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.09	0.01
Excavators	2005	2005Excavators250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.06	0.01
Excavators	2005	2005Excavators500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.06	0.01
Excavators	2005	2005Excavators750	750	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.06	0.01
Excavators	2010	2010Excavators25	25	0.12	2.75	4.10	0.01	0.01	0.01	584.07	0.17	0.01
Excavators	2010	2010Excavators50	50	0.12	2.74	3.70	0.01	0.01	0.01	584.07	0.17	0.01
Excavators	2010	2010Excavators120	120	0.06	0.26	3.70	0.01	0.01	0.00	518.99	0.15	0.01
Excavators	2010	2010Excavators175	175	0.06	0.26	2.20	0.01	0.01	0.00	525.05	0.15	0.01
Excavators	2010	2010Excavators250	250	0.06	0.26	2.20	0.01	0.01	0.00	525.24	0.15	0.01
Excavators	2010	2010Excavators500	500	0.06	0.26	2.20	0.01	0.01	0.00	522.29	0.15	0.01
Excavators	2010	2010Excavators750	750	0.06	0.26	2.20	0.01	0.01	0.00	520.43	0.15	0.01
Excavators	2011	2011Excavators25	25	0.12	2.75	4.10	0.01	0.01	0.01	582.86	0.17	0.01
Excavators	2011	2011Excavators50	50	0.12	2.74	3.70	0.01	0.01	0.01	582.86	0.17	0.01
Excavators	2011	2011Excavators120	120	0.06	0.26	3.70	0.01	0.01	0.00	517.41	0.15	0.01
Excavators	2011	2011Excavators175	175	0.06	0.26	2.20	0.01	0.01	0.00	523.52	0.15	0.01
Excavators	2011	2011Excavators250	250	0.06	0.26	2.20	0.01	0.01	0.00	523.69	0.15	0.01
Excavators	2011	2011Excavators500	500	0.06	0.26	2.20	0.01	0.01	0.00	521.30	0.15	0.01
Excavators	2011	2011Excavators750	750	0.06	0.26	2.20	0.01	0.01	0.00	519.12	0.15	0.01
Excavators	2012	2012Excavators25	25	0.12	2.75	4.10	0.01	0.01	0.01	581.46	0.17	0.01
Excavators	2012	2012Excavators50	50	0.12	2.74	3.70	0.01	0.01	0.01	581.46	0.17	0.01
Excavators	2012	2012Excavators120	120	0.06	0.26	3.70	0.01	0.01	0.00	516.08	0.15	0.01
Excavators	2012	2012Excavators175	175	0.06	0.26	2.20	0.01	0.01	0.00	522.10	0.15	0.01
Excavators	2012	2012Excavators250	250	0.06	0.26	2.20	0.01	0.01	0.00	522.50	0.15	0.01
Excavators	2012	2012Excavators500	500	0.06	0.26	2.20	0.01	0.01	0.00	520.03	0.15	0.01
Excavators	2012	2012Excavators750	750	0.06	0.26	2.20	0.01	0.01	0.00	517.82	0.15	0.01
Excavators	2013	2013Excavators25	25	0.12	2.75	4.10	0.01	0.01	0.01	578.24	0.17	0.01
Excavators	2013	2013Excavators50	50	0.12	2.74	3.70	0.01	0.01	0.01	578.24	0.17	0.01
Excavators	2013	2013Excavators120	120	0.06	0.26	3.70	0.01	0.01	0.00	513.73	0.15	0.01
Excavators	2013	2013Excavators175	175	0.06	0.26	2.20	0.01	0.01	0.00	519.50	0.15	0.01
Excavators	2013	2013Excavators250	250	0.06	0.26	2.20	0.01	0.01	0.00	519.88	0.15	0.01
Excavators	2013	2013Excavators500	500	0.06	0.26	2.20	0.01	0.01	0.00	517.78	0.15	0.01
Excavators	2013	2013Excavators750	750	0.06	0.26	2.20	0.01	0.01	0.00	514.19	0.15	0.01
Excavators	2014	2014Excavators25	25	0.12	2.75	4.10	0.01	0.01	0.01	575.27	0.17	0.01
Excavators	2014	2014Excavators50	50	0.12	2.74	3.70	0.01	0.01	0.01	575.27	0.17	0.01
Excavators	2014	2014Excavators120	120	0.06	0.26	3.70	0.01	0.01	0.00	511.31	0.15	0.01
Excavators	2014	2014Excavators175	175	0.06	0.26	2.20	0.01	0.01	0.00	516.91	0.15	0.01
Excavators	2014	2014Excavators250	250	0.06	0.26	2.20	0.01	0.01	0.00	517.32	0.15	0.01
Excavators	2014	2014Excavators500	500	0.06	0.26	2.20	0.01	0.01	0.00	515.22	0.15	0.01
Excavators	2014	2014Excavators750	750	0.06	0.26	2.20	0.01	0.01	0.00	511.95	0.15	0.01
Excavators	2015	2015Excavators25	25	0.12	2.75	4.10	0.01	0.01	0.01	569.51	0.17	0.01
Excavators	2015	2015Excavators50	50	0.12	2.74	3.70	0.01	0.01	0.01	569.51	0.17	0.01
Excavators	2015	2015Excavators120	120	0.06	0.26	3.70	0.01	0.01	0.00	506.17	0.15	0.01
Excavators	2015	2015Excavators175	175	0.06	0.26	2.20	0.01	0.01	0.00	511.69	0.15	0.01
Excavators	2015	2015Excavators250	250	0.06	0.26	2.20	0.01	0.01	0.00	512.06	0.15	0.01
Excavators	2015	2015Excavators500	500	0.06	0.26	2.20	0.01	0.01	0.00	509.87	0.15	0.01
Excavators	2015	2015Excavators750	750	0.06	0.26	2.20	0.01	0.01	0.00	506.68	0.15	0.01
Excavators	2016	2016Excavators25	25	0.12	2.75	4.10	0.01	0.01	0.01	563.80	0.17	0.01
Excavators	2016	2016Excavators50	50	0.12	2.74	3.70	0.01	0.01	0.01	563.80	0.17	0.01
Excavators	2016	2016Excavators120	120	0.06	0.26	3.70	0.01	0.01	0.00	500.97	0.15	0.01
Excavators	2016	2016Excavators175	175	0.06	0.26	2.20	0.01	0.01	0.00	506.49	0.15	0.01
Excavators	2016	2016Excavators250	250	0.06	0.26	2.20	0.01	0.01	0.00	506.54	0.15	0.01
Excavators	2016	2016Excavators500	500	0.06	0.26	2.20	0.01	0.01	0.00	504.29	0.15	0.01
Excavators	2016	2016Excavators750	750	0.06	0.26	2.20	0.01	0.01	0.00	501.66	0.15	0.01
Excavators	2017	2017Excavators25	25	0.12	2.75	4.10	0.01	0.01	0.01	554.91	0.17	0.01
Excavators	2017	2017Excavators50	50	0.12	2.74	3.70	0.01	0.01	0.01	554.91	0.17	0.01
Excavators	2017	2017Excavators120	120	0.06	0.26	3.70	0.01	0.01	0.00	493.41	0.15	0.01
Excavators	2017	2017Excavators175	175	0.06	0.26	2.20	0.01	0.01	0.00	498.52	0.15	0.01
Excavators	2017	2017Excavators250	250	0.06	0.26	2.20	0.01	0.01	0.00	498.44	0.15	0.01
Excavators	2017	2017Excavators500	500	0.06	0.26	2.20	0.01	0.01	0.00	496.81	0.15	0.01
Excavators	2017	2017Excavators750	750	0.06	0.26	2.20	0.01	0.01	0.00	494.55	0.15	0.01
Excavators	2018	2018Excavators25	25	0.12	2.75	4.10	0.01	0.01	0.01	545.35	0.17	0.01
Excavators	2018	2018Excavators50	50	0.12	2.74	3.70	0.01	0.01	0.01	545.35	0.17	0.01
Excavators	2018	2018Excavators120	120	0.06	0.26	3.70	0.01	0.01	0.00	486.06	0.15	0.01
Excavators	2018	2018Excavators175	175	0.06	0.26	2.20	0.01	0.01	0.00	490.67	0.15	0.01
Excavators	2018	2018Excavators250	250	0.06	0.26	2.20	0.01	0.01	0.00	490.26	0.15	0.01
Excavators	2018	2018Excavators500	500	0.06	0.26	2.20	0.01	0.01	0.00	489.10	0.15	0.01
Excavators	2018	2018Excavators750	750	0.06	0.26	2.20	0.01	0.01	0.00	487.65	0.15	0.01
Excavators	2019	2019Excavators25	25	0.12	2.75	4.10	0.01	0.01	0.01	536.91	0.17	0.01
Excavators	2019	2019Excavators50	50	0.12	2.74	3.70	0.01	0.01	0.01	536.91	0.17	0.01
Excavators	2019	2019Excavators120	120	0.06	0.26	3.70	0.01	0.01	0.00	478.25	0.15	0.01
Excavators	2019	2019Excavators175	175	0.06	0.26	2.20	0.01	0.01	0.00	482.68	0.15	0.01
Excavators	2019	2019Excavators250	250	0.06	0.26	2.20	0.01	0.01	0.00	482.25	0.15	0.01
Excavators	2019	2019Excavators500	500	0.06	0.26	2.20	0.01	0.01	0.00	481.24	0.15	0.01
Excavators	2019	2019Excavators750	750	0.06	0.26	2.20	0.01	0.01	0.00	479.29	0.15	0.01
Excavators	2020	2020Excavators25	25	0.12	2.75	4.10	0.01	0.01	0.01	525.37	0.17	0.01
Excavators	2020	2020Excavators50	50	0.12	2.74	3.70	0.01	0.01	0.01	525.37	0.17	0.01
Excavators	2020	2020Excavators120	120	0.06	0.26	3.70	0.01	0.01	0.00	468.05	0.15	0.01
Excavators	2020	2020Excavators175	175	0.06	0.26	2.20	0.01	0.01	0.00	472.29	0.15	0.01
Excavators	2020	2020Excavators250	250	0.06	0.26	2.20	0.01	0.01	0.00	471.88	0.15	0.01
Excavators	2020	2020Excavators500	500	0.06	0.26	2.20	0.01	0.01	0.00	470.30	0.15	0.01
Excavators	2020	2020Excavators750	750	0.06	0.26	2.20	0.01	0.01	0.00	468.87	0.15	0.01
Excavators	2021	2021Excavators25	25	0.12	2.75	4.10	0.01	0.01	0.01	525.38	0.17	0.01
Excavators	2021	2021Excavators50	50	0.12	2.74	3.70	0.01	0.01	0.01	525.38	0.17	0.01
Excavators	2021	2021Excavators120	120	0.06	0.26	3.70	0.01	0.01	0.00	467.79	0.15	0.01
Excavators	2021	2021Excavators175	175	0.06	0.26	2.20	0.01	0.01	0.00	472.36	0.15	0.01
Excavators	2021	2021Excavators250	250	0.06	0.26	2.20	0.01	0.01	0.00	471.79	0.15	0.01
Excavators	2021	2021Excavators500	500	0.06	0.26	2.20	0.01	0.01	0.00	469.62	0.15	0.01
Excavators	2021	2021Excavators750	750	0.06	0.26	2.20	0.01	0.01	0.00	469.55	0.15	0.01
Excavators	2022	2022Excavators25	25	0.12	2.75	4.10	0.01	0.01	0.01	525.45	0.17	0.01
Excavators	2022	2022Excavators50	50	0.12	2.74	3.70	0.01	0.01	0.01	525.45	0.17	0.01
Excavators	2022	2022Excavators120	120	0.06	0.26	3.70	0.01	0.01	0.00	467.63	0.15	0.01
Excavators	2022	2022Excavators175	175	0.06	0.26	2.20	0.01	0.01	0.00	472.19	0.15	0.01
Excavators	2022	2022Excavators250	250	0.06	0.26	2.20	0.01	0.01	0.00	472.04	0.15	0.01
Excavators	2022	2022Excavators500	500	0.06	0.26	2.20	0.01	0.01	0.00	469.71	0.15	0.01
Excavators	2022	2022Excavators750	750	0.06	0.26	2.20	0.01	0.01	0.00	469.29	0.15	0.01
Excavators	2023	2023Excavators25	25	0.12	2.75	4.10	0.01	0.01	0.01	525.43	0.17	0.01
Excavators	2023	2023Excavators50	50	0.12	2.74	3.70	0.01	0.01	0.01	525.43	0.17	0.01
Excavators	2023	2023Excavators120	120	0.06	0.26	3.70	0.01	0.01	0.00	467.16	0.15	0.01
Excavators	2023	2023Excavators175	175	0.06	0.26	2.20	0.01	0.01	0.00	472.28	0.15	0.01
Excavators	2023	2023Excavators250	250	0.06	0.26	2.20	0.01	0.01	0.00	472.21	0.15	0.01
Excavators	2023	2023Excavators500	500	0.06	0.26	2.20	0.01	0.01	0.00	469.89	0.15	0.01
Excavators	2023	2023Excavators750	750	0.06	0.26	2.20	0.01	0.01	0.00	468.68	0.15	0.01
Excavators	2024	2024Excavators25	25	0.12	2.75	4.10	0.01	0.01	0.01	525.98	0.17	0.01
Excavators	2024	2024Excavators50	50	0.12	2.74	3.70	0.01	0.01	0.01	525.98	0.17	0.01
Excavators	2024	2024Excavators120	120	0.06	0.26	3.70	0.01	0.01	0.00	467.38	0.15	0.01
Excavators	2024	2024Excavators175	175	0.06	0.26	2.20	0.01	0.01	0.00	472.43	0.15	0.01
Excavators	2024	2024Excavators250	250	0.06	0.26	2.20	0.01	0.01	0.00	472.44	0.15	0.01
Excavators	2024	2024Excavators500	500	0.06	0.26	2.20	0.01	0.01	0.00	469.71	0.15	0.01
Excavators	2024	2024Excavators750	750	0.06	0.26	2.20	0.01	0.01	0.00	468.65	0.15	0.01
Excavators	2025	2025Excavators25	25	0.12	2.75	4.10	0.01	0.01	0.01	525.78	0.17	0.01
Excavators	2025	2025Excavators50	50	0.12	2.74	3.70	0.01	0.01	0.01	525.78	0.17	0.01
Excavators	2025	2025Excavators120	120	0.06	0.26	3.70	0.01	0.01	0.00	466.74	0.15	0.01
Excavators	2025	2025Excavators175	175	0.06	0.26	2.20	0.01	0.01	0.00	472.50	0.15	0.01
Excavators	2025	2025Excavators250	250	0.06	0.26	2.20	0.01	0.01	0.00	472.56	0.15	0.01

Excavators	2025	2025Excavators500	500	0.06	0.26	2.20	0.01	0.01	0.00	470.29	0.15	0.01
Excavators	2025	2025Excavators750	750	0.06	0.26	2.20	0.01	0.01	0.00	468.56	0.15	0.01
Excavators	2030	2030Excavators25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Excavators	2030	2030Excavators50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Excavators	2030	2030Excavators120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Excavators	2030	2030Excavators175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Excavators	2030	2030Excavators250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Excavators	2030	2030Excavators500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Excavators	2030	2030Excavators750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Excavators	2035	2035Excavators25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Excavators	2035	2035Excavators50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Excavators	2035	2035Excavators120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Excavators	2035	2035Excavators175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Excavators	2035	2035Excavators250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Excavators	2035	2035Excavators500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Excavators	2035	2035Excavators750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Excavators	2040	2040Excavators25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Excavators	2040	2040Excavators50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Excavators	2040	2040Excavators120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Excavators	2040	2040Excavators175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Excavators	2040	2040Excavators250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Excavators	2040	2040Excavators500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Excavators	2040	2040Excavators750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Forklifts	1990	1990Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.69	568.30	0.44	0.01
Forklifts	1990	1990Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.63	568.30	0.21	0.01
Forklifts	1990	1990Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.60	568.30	0.14	0.01
Forklifts	1990	1990Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.60	568.30	0.14	0.01
Forklifts	1990	1990Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.53	568.30	0.12	0.01
Forklifts	2000	2000Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.40	0.01
Forklifts	2000	2000Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.16	0.01
Forklifts	2000	2000Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.11	0.01
Forklifts	2000	2000Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.08	0.01
Forklifts	2000	2000Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.08	0.01
Forklifts	2005	2005Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.37	0.01
Forklifts	2005	2005Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.15	0.01
Forklifts	2005	2005Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.10	0.01
Forklifts	2005	2005Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.06	0.01
Forklifts	2005	2005Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.05	0.01
Forklifts	2010	2010Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	583.87	0.17	0.01
Forklifts	2010	2010Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	523.92	0.15	0.01
Forklifts	2010	2010Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.00	524.56	0.15	0.01
Forklifts	2010	2010Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.00	525.92	0.15	0.01
Forklifts	2010	2010Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	526.24	0.15	0.01
Forklifts	2011	2011Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	582.41	0.17	0.01
Forklifts	2011	2011Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	522.61	0.15	0.01
Forklifts	2011	2011Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.00	523.25	0.15	0.01
Forklifts	2011	2011Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.00	524.60	0.15	0.01
Forklifts	2011	2011Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	524.92	0.15	0.01
Forklifts	2012	2012Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	580.95	0.17	0.01
Forklifts	2012	2012Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	521.30	0.15	0.01
Forklifts	2012	2012Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.00	521.94	0.15	0.01
Forklifts	2012	2012Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.00	523.29	0.15	0.01
Forklifts	2012	2012Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	523.61	0.15	0.01
Forklifts	2013	2013Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	578.03	0.17	0.01
Forklifts	2013	2013Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	518.68	0.15	0.01
Forklifts	2013	2013Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.00	519.32	0.15	0.01
Forklifts	2013	2013Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.00	520.66	0.15	0.01
Forklifts	2013	2013Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	520.98	0.15	0.01
Forklifts	2014	2014Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	575.11	0.17	0.01
Forklifts	2014	2014Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	516.06	0.15	0.01
Forklifts	2014	2014Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.00	516.69	0.15	0.01
Forklifts	2014	2014Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.00	518.03	0.15	0.01
Forklifts	2014	2014Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	518.35	0.15	0.01
Forklifts	2015	2015Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	569.27	0.17	0.01
Forklifts	2015	2015Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	510.82	0.15	0.01
Forklifts	2015	2015Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.00	511.45	0.15	0.01
Forklifts	2015	2015Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.00	512.77	0.15	0.01
Forklifts	2015	2015Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	513.08	0.15	0.01
Forklifts	2016	2016Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	563.43	0.17	0.01
Forklifts	2016	2016Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	505.58	0.15	0.01
Forklifts	2016	2016Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.00	506.20	0.15	0.01
Forklifts	2016	2016Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.00	507.51	0.15	0.01
Forklifts	2016	2016Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	507.82	0.15	0.01
Forklifts	2017	2017Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	554.68	0.17	0.01
Forklifts	2017	2017Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	497.72	0.15	0.01
Forklifts	2017	2017Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.00	498.33	0.15	0.01
Forklifts	2017	2017Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.00	499.62	0.15	0.01
Forklifts	2017	2017Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	499.93	0.15	0.01
Forklifts	2018	2018Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	545.92	0.17	0.01
Forklifts	2018	2018Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	489.87	0.15	0.01
Forklifts	2018	2018Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.00	490.47	0.15	0.01
Forklifts	2018	2018Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.00	491.73	0.15	0.01
Forklifts	2018	2018Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	492.03	0.15	0.01
Forklifts	2019	2019Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	537.16	0.17	0.01
Forklifts	2019	2019Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	482.01	0.15	0.01
Forklifts	2019	2019Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.00	482.60	0.15	0.01
Forklifts	2019	2019Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.00	483.84	0.15	0.01
Forklifts	2019	2019Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	484.14	0.15	0.01
Forklifts	2020	2020Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	525.48	0.17	0.01
Forklifts	2020	2020Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	471.53	0.15	0.01
Forklifts	2020	2020Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.00	472.11	0.15	0.01
Forklifts	2020	2020Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.00	473.33	0.15	0.01
Forklifts	2020	2020Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	473.62	0.15	0.01
Forklifts	2021	2021Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	525.48	0.17	0.01
Forklifts	2021	2021Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	471.53	0.15	0.01
Forklifts	2021	2021Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.00	472.11	0.15	0.01
Forklifts	2021	2021Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.00	473.33	0.15	0.01
Forklifts	2021	2021Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	473.62	0.15	0.01
Forklifts	2022	2022Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	525.48	0.17	0.01
Forklifts	2022	2022Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	471.53	0.15	0.01
Forklifts	2022	2022Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.00	472.11	0.15	0.01
Forklifts	2022	2022Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.00	473.33	0.15	0.01
Forklifts	2022	2022Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	473.62	0.15	0.01
Forklifts	2023	2023Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	525.48	0.17	0.01
Forklifts	2023	2023Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	471.53	0.15	0.01
Forklifts	2023	2023Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.00	472.11	0.15	0.01
Forklifts	2023	2023Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.00	473.33	0.15	0.01
Forklifts	2023	2023Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	473.62	0.15	0.01
Forklifts	2024	2024Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	525.48	0.17	0.01
Forklifts	2024	2024Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	471.53	0.15	0.01
Forklifts	2024	2024Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.00	472.11	0.15	0.01
Forklifts	2024	2024Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.00	473.33	0.15	0.01
Forklifts	2024	2024Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	473.62	0.15	0.01
Forklifts	2025	2025Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	525.48	0.17	0.01
Forklifts	2025	2025Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	471.53	0.15	0.01
Forklifts	2025	2025Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.00	472.11	0.15	0.01
Forklifts	2025	2025Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.00	473.33	0.15	0.01
Forklifts	2025	2025Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	473.62	0.15	0.01
Forklifts	2030	2030Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Forklifts	2030	2030Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Forklifts	2030	2030Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Forklifts	2030	2030Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Forklifts	2030	2030Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Forklifts	2035	2035Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Forklifts	2035	2035Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Forklifts	2035	2035Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Forklifts	2035	2035Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Forklifts	2035	2035Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Forklifts	2040	2040Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Forklifts	2040	2040Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Forklifts	2040	2040Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Forklifts	2040	2040Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Forklifts	2040	2040Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Generator Sets	1990	1990Generator Sets15	15	1.80	10.00	5.00	0.97	0.97	1.02	568.30	0.16	0.01
Generator Sets	1990	1990Generator Sets25	25	0.12	2.75	4.10	0.01	0.01	0.83	568.30	0.20	0.01
Generator Sets	1990	1990Generator Sets50	50	0.12	2.74	3.70	0.01	0.01	0.85	568.30	0.28	0.01
Generator Sets	1990	1990Generator Sets120	120	0.06	0.26	3.70	0.01	0.01	0.77	568.30	0.17	0.01
Generator Sets	1990	1990Generator Sets175	175	0.06	0.26	2.20	0.01	0.01	0.74	568.30	0.12	0.01
Generator Sets	1990	1990Generator Sets250	250	0.06	0.26	2.20	0.01	0.01	0.74	568.30	0.12	0.01
Generator Sets	1990	1990Generator Sets500	500	0.06	0.26	2.20	0.01	0.01	0.64	568.30	0.11	0.01
Generator Sets	1990	1990Generator Sets750	750	0.06	0.26	2.20	0.01	0.01	0.66	568.30	0.11	0.01
Generator Sets	1990	1990Generator Sets9999	9999	1.20	11.61	6.53	0.59	0.59	0.66	568.30	0.11	0.01

Generator Sets	2000	2000Generator Sets15	15	1.52	8.85	4.88	0.61	0.61	0.08	568.30	0.14	0.01
Generator Sets	2000	2000Generator Sets25	25	0.12	2.75	4.10	0.01	0.01	0.07	568.30	0.15	0.01
Generator Sets	2000	2000Generator Sets50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.27	0.01
Generator Sets	2000	2000Generator Sets120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.14	0.01
Generator Sets	2000	2000Generator Sets175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.09	0.01
Generator Sets	2000	2000Generator Sets250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.08	0.01
Generator Sets	2000	2000Generator Sets500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.07	0.01
Generator Sets	2000	2000Generator Sets750	750	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.07	0.01
Generator Sets	2000	2000Generator Sets9999	9999	0.92	8.69	4.27	0.34	0.34	0.05	568.30	0.08	0.01
Generator Sets	2005	2005Generator Sets15	15	1.21	7.62	4.38	0.51	0.51	0.08	568.30	0.11	0.01
Generator Sets	2005	2005Generator Sets25	25	0.12	2.75	4.10	0.01	0.01	0.07	568.30	0.11	0.01
Generator Sets	2005	2005Generator Sets50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.24	0.01
Generator Sets	2005	2005Generator Sets120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.12	0.01
Generator Sets	2005	2005Generator Sets175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.08	0.01
Generator Sets	2005	2005Generator Sets250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.05	0.01
Generator Sets	2005	2005Generator Sets500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.05	0.01
Generator Sets	2005	2005Generator Sets750	750	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.05	0.01
Generator Sets	2005	2005Generator Sets9999	9999	0.72	7.58	2.72	0.26	0.26	0.05	568.30	0.06	0.01
Generator Sets	2010	2010Generator Sets15	15	0.95	6.39	4.03	0.38	0.38	0.01	568.30	0.09	0.01
Generator Sets	2010	2010Generator Sets25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.09	0.01
Generator Sets	2010	2010Generator Sets50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.18	0.01
Generator Sets	2010	2010Generator Sets120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.09	0.01
Generator Sets	2010	2010Generator Sets175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.06	0.01
Generator Sets	2010	2010Generator Sets250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Generator Sets	2010	2010Generator Sets500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Generator Sets	2010	2010Generator Sets750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Generator Sets	2010	2010Generator Sets9999	9999	0.54	6.54	1.93	0.19	0.19	0.01	568.30	0.05	0.01
Generator Sets	2011	2011Generator Sets15	15	0.91	6.13	3.95	0.36	0.36	0.01	568.30	0.08	0.01
Generator Sets	2011	2011Generator Sets25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.08	0.01
Generator Sets	2011	2011Generator Sets50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.17	0.01
Generator Sets	2011	2011Generator Sets120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.08	0.01
Generator Sets	2011	2011Generator Sets175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.06	0.01
Generator Sets	2011	2011Generator Sets250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Generator Sets	2011	2011Generator Sets500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Generator Sets	2011	2011Generator Sets750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Generator Sets	2011	2011Generator Sets9999	9999	0.50	6.20	1.78	0.18	0.18	0.01	568.30	0.05	0.01
Generator Sets	2012	2012Generator Sets15	15	0.87	5.87	3.87	0.34	0.34	0.01	568.30	0.08	0.01
Generator Sets	2012	2012Generator Sets25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.08	0.01
Generator Sets	2012	2012Generator Sets50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.16	0.01
Generator Sets	2012	2012Generator Sets120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.08	0.01
Generator Sets	2012	2012Generator Sets175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.05	0.01
Generator Sets	2012	2012Generator Sets250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Generator Sets	2012	2012Generator Sets500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Generator Sets	2012	2012Generator Sets750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Generator Sets	2012	2012Generator Sets9999	9999	0.46	5.85	1.64	0.17	0.17	0.01	568.30	0.04	0.01
Generator Sets	2013	2013Generator Sets15	15	0.82	5.62	3.80	0.32	0.32	0.01	568.30	0.07	0.01
Generator Sets	2013	2013Generator Sets25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.08	0.01
Generator Sets	2013	2013Generator Sets50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.14	0.01
Generator Sets	2013	2013Generator Sets120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.07	0.01
Generator Sets	2013	2013Generator Sets175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.05	0.01
Generator Sets	2013	2013Generator Sets250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Generator Sets	2013	2013Generator Sets500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Generator Sets	2013	2013Generator Sets750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Generator Sets	2013	2013Generator Sets9999	9999	0.43	5.49	1.50	0.15	0.15	0.01	568.30	0.04	0.01
Generator Sets	2014	2014Generator Sets15	15	0.78	5.37	3.72	0.30	0.30	0.01	568.30	0.07	0.01
Generator Sets	2014	2014Generator Sets25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Generator Sets	2014	2014Generator Sets50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.13	0.01
Generator Sets	2014	2014Generator Sets120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.07	0.01
Generator Sets	2014	2014Generator Sets175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Generator Sets	2014	2014Generator Sets250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Generator Sets	2014	2014Generator Sets500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Generator Sets	2014	2014Generator Sets750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Generator Sets	2014	2014Generator Sets9999	9999	0.39	5.15	1.38	0.14	0.14	0.01	568.30	0.04	0.01
Generator Sets	2015	2015Generator Sets15	15	0.75	5.14	3.66	0.28	0.28	0.01	568.30	0.07	0.01
Generator Sets	2015	2015Generator Sets25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Generator Sets	2015	2015Generator Sets50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.12	0.01
Generator Sets	2015	2015Generator Sets120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.06	0.01
Generator Sets	2015	2015Generator Sets175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Generator Sets	2015	2015Generator Sets250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Generator Sets	2015	2015Generator Sets500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Generator Sets	2015	2015Generator Sets750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Generator Sets	2015	2015Generator Sets9999	9999	0.35	4.82	1.27	0.12	0.12	0.01	568.30	0.03	0.01
Generator Sets	2016	2016Generator Sets15	15	0.72	4.98	3.62	0.26	0.26	0.01	568.30	0.07	0.01
Generator Sets	2016	2016Generator Sets25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Generator Sets	2016	2016Generator Sets50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.10	0.01
Generator Sets	2016	2016Generator Sets120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Generator Sets	2016	2016Generator Sets175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Generator Sets	2016	2016Generator Sets250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Generator Sets	2016	2016Generator Sets500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Generator Sets	2016	2016Generator Sets750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Generator Sets	2016	2016Generator Sets9999	9999	0.32	4.54	1.20	0.11	0.11	0.01	568.30	0.03	0.01
Generator Sets	2017	2017Generator Sets15	15	0.70	4.85	3.60	0.25	0.25	0.01	568.30	0.06	0.01
Generator Sets	2017	2017Generator Sets25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Generator Sets	2017	2017Generator Sets50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.09	0.01
Generator Sets	2017	2017Generator Sets120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Generator Sets	2017	2017Generator Sets175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Generator Sets	2017	2017Generator Sets250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Generator Sets	2017	2017Generator Sets500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Generator Sets	2017	2017Generator Sets750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Generator Sets	2017	2017Generator Sets9999	9999	0.30	4.29	1.16	0.10	0.10	0.01	568.30	0.03	0.01
Generator Sets	2018	2018Generator Sets15	15	0.68	4.73	3.58	0.24	0.24	0.01	568.30	0.06	0.01
Generator Sets	2018	2018Generator Sets25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Generator Sets	2018	2018Generator Sets50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.08	0.01
Generator Sets	2018	2018Generator Sets120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Generator Sets	2018	2018Generator Sets175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Generator Sets	2018	2018Generator Sets250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Generator Sets	2018	2018Generator Sets500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Generator Sets	2018	2018Generator Sets750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Generator Sets	2018	2018Generator Sets9999	9999	0.28	4.06	1.13	0.10	0.10	0.01	568.30	0.03	0.01
Generator Sets	2019	2019Generator Sets15	15	0.66	4.62	3.56	0.22	0.22	0.01	568.30	0.06	0.01
Generator Sets	2019	2019Generator Sets25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Generator Sets	2019	2019Generator Sets50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.07	0.01
Generator Sets	2019	2019Generator Sets120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Generator Sets	2019	2019Generator Sets175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Generator Sets	2019	2019Generator Sets250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Generator Sets	2019	2019Generator Sets500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Generator Sets	2019	2019Generator Sets750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Generator Sets	2019	2019Generator Sets9999	9999	0.26	3.83	1.10	0.09	0.09	0.01	568.30	0.02	0.01
Generator Sets	2020	2020Generator Sets15	15	0.65	4.52	3.55	0.21	0.21	0.01	568.30	0.06	0.01
Generator Sets	2020	2020Generator Sets25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Generator Sets	2020	2020Generator Sets50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.06	0.01
Generator Sets	2020	2020Generator Sets120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Generator Sets	2020	2020Generator Sets175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Generator Sets	2020	2020Generator Sets250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Generator Sets	2020	2020Generator Sets500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Generator Sets	2020	2020Generator Sets750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Generator Sets	2020	2020Generator Sets9999	9999	0.24	3.61	1.08	0.08	0.08	0.01	568.30	0.02	0.01
Generator Sets	2021	2021Generator Sets15	15	0.63	4.44	3.53	0.20	0.20	0.01	568.30	0.06	0.01
Generator Sets	2021	2021Generator Sets25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Generator Sets	2021	2021Generator Sets50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.06	0.01
Generator Sets	2021	2021Generator Sets120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Generator Sets	2021	2021Generator Sets175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Generator Sets	2021	2021Generator Sets250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Generator Sets	2021	2021Generator Sets500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Generator Sets	2021	2021Generator Sets750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Generator Sets	2021	2021Generator Sets9999	9999	0.22	3.37	1.06	0.07	0.07	0.01	568.30	0.02	0.01
Generator Sets	2022	2022Generator Sets15	15	0.63	4.39	3.52	0.19	0.19	0.01	568.30	0.06	0.01
Generator Sets	2022	2022Generator Sets25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Generator Sets	2022	2022Generator Sets50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Generator Sets	2022	2022Generator Sets120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Generator Sets	2022	2022Generator Sets175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Generator Sets	2022	2022Generator Sets250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Generator Sets	2022	2022Generator Sets500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Generator Sets	2022	2022Generator Sets750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Generator Sets	2022	2022Generator Sets9999	9999	0.21	3.20	1.05	0.06	0.06	0.01	568.30	0.02	0.01
Generator Sets	2023	2023Generator Sets15	15	0.62	4.35	3.51	0.19	0.19	0.01	568.30	0.06	0.01
Generator Sets	2023	2023Generator Sets25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Generator Sets	2023	2023Generator Sets50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Generator Sets	2023	2023Generator Sets120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Generator Sets	2023	2023Generator Sets175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Generator Sets	2023	2023Generator Sets250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Generator Sets	2023	2023Generator Sets500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01

Generator Sets	2023	2023Generator Sets750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Generator Sets	2023	2023Generator Sets9999	9999	0.19	3.06	1.03	0.06	0.06	0.01	568.30	0.02	0.01
Generator Sets	2024	2024Generator Sets15	15	0.61	4.31	3.50	0.18	0.18	0.01	568.30	0.06	0.01
Generator Sets	2024	2024Generator Sets25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Generator Sets	2024	2024Generator Sets50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Generator Sets	2024	2024Generator Sets120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Generator Sets	2024	2024Generator Sets175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Generator Sets	2024	2024Generator Sets250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Generator Sets	2024	2024Generator Sets500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Generator Sets	2024	2024Generator Sets750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Generator Sets	2024	2024Generator Sets9999	9999	0.18	2.93	1.02	0.05	0.05	0.01	568.30	0.02	0.01
Generator Sets	2025	2025Generator Sets15	15	0.61	4.27	3.49	0.18	0.18	0.01	568.30	0.05	0.01
Generator Sets	2025	2025Generator Sets25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Generator Sets	2025	2025Generator Sets50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Generator Sets	2025	2025Generator Sets120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Generator Sets	2025	2025Generator Sets175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Generator Sets	2025	2025Generator Sets250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Generator Sets	2025	2025Generator Sets500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Generator Sets	2025	2025Generator Sets750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Generator Sets	2025	2025Generator Sets9999	9999	0.17	2.81	1.01	0.05	0.05	0.01	568.30	0.02	0.01
Generator Sets	2030	2030Generator Sets15	15	0.59	4.16	3.47	0.17	0.17	0.01	568.30	0.05	0.01
Generator Sets	2030	2030Generator Sets25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Generator Sets	2030	2030Generator Sets50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Generator Sets	2030	2030Generator Sets120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Generator Sets	2030	2030Generator Sets175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Generator Sets	2030	2030Generator Sets250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Generator Sets	2030	2030Generator Sets500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Generator Sets	2030	2030Generator Sets750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Generator Sets	2030	2030Generator Sets9999	9999	0.13	2.48	0.98	0.03	0.03	0.01	568.30	0.01	0.01
Generator Sets	2035	2035Generator Sets15	15	0.59	4.14	3.47	0.16	0.16	0.01	568.30	0.05	0.01
Generator Sets	2035	2035Generator Sets25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Generator Sets	2035	2035Generator Sets50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Generator Sets	2035	2035Generator Sets120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.01	0.01
Generator Sets	2035	2035Generator Sets175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Generator Sets	2035	2035Generator Sets250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Generator Sets	2035	2035Generator Sets500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Generator Sets	2035	2035Generator Sets750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Generator Sets	2035	2035Generator Sets9999	9999	0.11	2.36	0.98	0.02	0.02	0.01	568.30	0.01	0.01
Generator Sets	2040	2040Generator Sets15	15	0.59	4.14	3.47	0.16	0.16	0.01	568.30	0.05	0.01
Generator Sets	2040	2040Generator Sets25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Generator Sets	2040	2040Generator Sets50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Generator Sets	2040	2040Generator Sets120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.01	0.01
Generator Sets	2040	2040Generator Sets175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Generator Sets	2040	2040Generator Sets250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Generator Sets	2040	2040Generator Sets500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Generator Sets	2040	2040Generator Sets750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Generator Sets	2040	2040Generator Sets9999	9999	0.11	2.33	0.98	0.02	0.02	0.01	568.30	0.01	0.01
Graders	1990	1990Graders50	50	0.12	2.74	3.70	0.01	0.01	0.87	568.30	0.43	0.01
Graders	1990	1990Graders120	120	0.06	0.26	3.70	0.01	0.01	0.79	568.30	0.21	0.01
Graders	1990	1990Graders175	175	0.06	0.26	2.20	0.01	0.01	0.76	568.30	0.15	0.01
Graders	1990	1990Graders250	250	0.06	0.26	2.20	0.01	0.01	0.76	568.30	0.15	0.01
Graders	1990	1990Graders500	500	0.06	0.26	2.20	0.01	0.01	0.66	568.30	0.14	0.01
Graders	1990	1990Graders750	750	0.06	0.26	2.20	0.01	0.01	1.02	568.30	0.14	0.01
Graders	2000	2000Graders50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.40	0.01
Graders	2000	2000Graders120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.17	0.01
Graders	2000	2000Graders175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.11	0.01
Graders	2000	2000Graders250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.10	0.01
Graders	2000	2000Graders500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.09	0.01
Graders	2000	2000Graders750	750	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.09	0.01
Graders	2005	2005Graders50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.36	0.01
Graders	2005	2005Graders120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.15	0.01
Graders	2005	2005Graders175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.10	0.01
Graders	2005	2005Graders250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.07	0.01
Graders	2005	2005Graders500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.06	0.01
Graders	2005	2005Graders750	750	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.06	0.01
Graders	2010	2010Graders50	50	0.12	2.74	3.70	0.01	0.01	0.01	547.23	0.16	0.01
Graders	2010	2010Graders120	120	0.06	0.26	3.70	0.01	0.01	0.00	523.77	0.15	0.01
Graders	2010	2010Graders175	175	0.06	0.26	2.20	0.01	0.01	0.00	536.70	0.16	0.01
Graders	2010	2010Graders250	250	0.06	0.26	2.20	0.01	0.01	0.00	530.33	0.15	0.01
Graders	2010	2010Graders500	500	0.06	0.26	2.20	0.01	0.01	0.00	525.66	0.15	0.01
Graders	2010	2010Graders750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.05	0.01
Graders	2011	2011Graders50	50	0.12	2.74	3.70	0.01	0.01	0.01	545.88	0.16	0.01
Graders	2011	2011Graders120	120	0.06	0.26	3.70	0.01	0.01	0.00	522.51	0.15	0.01
Graders	2011	2011Graders175	175	0.06	0.26	2.20	0.01	0.01	0.00	535.29	0.16	0.01
Graders	2011	2011Graders250	250	0.06	0.26	2.20	0.01	0.01	0.00	529.05	0.15	0.01
Graders	2011	2011Graders500	500	0.06	0.26	2.20	0.01	0.01	0.00	524.35	0.15	0.01
Graders	2011	2011Graders750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.05	0.01
Graders	2012	2012Graders50	50	0.12	2.74	3.70	0.01	0.01	0.01	544.54	0.16	0.01
Graders	2012	2012Graders120	120	0.06	0.26	3.70	0.01	0.01	0.00	521.20	0.15	0.01
Graders	2012	2012Graders175	175	0.06	0.26	2.20	0.01	0.01	0.00	533.88	0.16	0.01
Graders	2012	2012Graders250	250	0.06	0.26	2.20	0.01	0.01	0.00	527.82	0.15	0.01
Graders	2012	2012Graders500	500	0.06	0.26	2.20	0.01	0.01	0.00	522.85	0.15	0.01
Graders	2012	2012Graders750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Graders	2013	2013Graders50	50	0.12	2.74	3.70	0.01	0.01	0.01	541.83	0.16	0.01
Graders	2013	2013Graders120	120	0.06	0.26	3.70	0.01	0.01	0.00	518.56	0.15	0.01
Graders	2013	2013Graders175	175	0.06	0.26	2.20	0.01	0.01	0.00	530.98	0.16	0.01
Graders	2013	2013Graders250	250	0.06	0.26	2.20	0.01	0.01	0.00	525.04	0.15	0.01
Graders	2013	2013Graders500	500	0.06	0.26	2.20	0.01	0.01	0.00	520.05	0.15	0.01
Graders	2013	2013Graders750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Graders	2014	2014Graders50	50	0.12	2.74	3.70	0.01	0.01	0.01	539.12	0.16	0.01
Graders	2014	2014Graders120	120	0.06	0.26	3.70	0.01	0.01	0.00	515.38	0.15	0.01
Graders	2014	2014Graders175	175	0.06	0.26	2.20	0.01	0.01	0.00	527.83	0.16	0.01
Graders	2014	2014Graders250	250	0.06	0.26	2.20	0.01	0.01	0.00	522.33	0.15	0.01
Graders	2014	2014Graders500	500	0.06	0.26	2.20	0.01	0.01	0.00	517.38	0.15	0.01
Graders	2014	2014Graders750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Graders	2015	2015Graders50	50	0.12	2.74	3.70	0.01	0.01	0.01	533.68	0.16	0.01
Graders	2015	2015Graders120	120	0.06	0.26	3.70	0.01	0.01	0.00	509.60	0.15	0.01
Graders	2015	2015Graders175	175	0.06	0.26	2.20	0.01	0.01	0.00	522.22	0.16	0.01
Graders	2015	2015Graders250	250	0.06	0.26	2.20	0.01	0.01	0.00	517.13	0.15	0.01
Graders	2015	2015Graders500	500	0.06	0.26	2.20	0.01	0.01	0.00	512.10	0.15	0.01
Graders	2015	2015Graders750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Graders	2016	2016Graders50	50	0.12	2.74	3.70	0.01	0.01	0.01	528.24	0.16	0.01
Graders	2016	2016Graders120	120	0.06	0.26	3.70	0.01	0.01	0.00	503.16	0.15	0.01
Graders	2016	2016Graders175	175	0.06	0.26	2.20	0.01	0.01	0.00	516.13	0.16	0.01
Graders	2016	2016Graders250	250	0.06	0.26	2.20	0.01	0.01	0.00	511.70	0.15	0.01
Graders	2016	2016Graders500	500	0.06	0.26	2.20	0.01	0.01	0.00	506.51	0.15	0.01
Graders	2016	2016Graders750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Graders	2017	2017Graders50	50	0.12	2.74	3.70	0.01	0.01	0.01	520.07	0.16	0.01
Graders	2017	2017Graders120	120	0.06	0.26	3.70	0.01	0.01	0.00	495.92	0.15	0.01
Graders	2017	2017Graders175	175	0.06	0.26	2.20	0.01	0.01	0.00	506.75	0.16	0.01
Graders	2017	2017Graders250	250	0.06	0.26	2.20	0.01	0.01	0.00	503.80	0.15	0.01
Graders	2017	2017Graders500	500	0.06	0.26	2.20	0.01	0.01	0.00	498.60	0.15	0.01
Graders	2017	2017Graders750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Graders	2018	2018Graders50	50	0.12	2.74	3.70	0.01	0.01	0.01	511.91	0.16	0.01
Graders	2018	2018Graders120	120	0.06	0.26	3.70	0.01	0.01	0.00	487.70	0.15	0.01
Graders	2018	2018Graders175	175	0.06	0.26	2.20	0.01	0.01	0.00	497.38	0.15	0.01
Graders	2018	2018Graders250	250	0.06	0.26	2.20	0.01	0.01	0.00	495.43	0.15	0.01
Graders	2018	2018Graders500	500	0.06	0.26	2.20	0.01	0.01	0.00	490.58	0.15	0.01
Graders	2018	2018Graders750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Graders	2019	2019Graders50	50	0.12	2.74	3.70	0.01	0.01	0.01	503.75	0.16	0.01
Graders	2019	2019Graders120	120	0.06	0.26	3.70	0.01	0.01	0.00	479.90	0.15	0.01
Graders	2019	2019Graders175	175	0.06	0.26	2.20	0.01	0.01	0.00	489.04	0.15	0.01
Graders	2019	2019Graders250	250	0.06	0.26	2.20	0.01	0.01	0.00	486.33	0.15	0.01
Graders	2019	2019Graders500	500	0.06	0.26	2.20	0.01	0.01	0.00	482.59	0.15	0.01
Graders	2019	2019Graders750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Graders	2020	2020Graders50	50	0.12	2.74	3.70	0.01	0.01	0.01	492.86	0.16	0.01
Graders	2020	2020Graders120	120	0.06	0.26	3.70	0.01	0.01	0.00	469.34	0.15	0.01
Graders	2020	2020Graders175	175	0.06	0.26	2.20	0.01	0.01	0.00	478.04	0.15	0.01
Graders	2020	2020Graders250	250	0.06	0.26	2.20	0.01	0.01	0.00	475.30	0.15	0.01
Graders	2020	2020Graders500	500	0.06	0.26	2.20	0.01	0.01	0.00	471.98	0.15	0.01
Graders	2020	2020Graders750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Graders	2021	2021Graders50	50	0.12	2.74	3.70	0.01	0.01	0.01	492.94	0.16	0.01
Graders	2021	2021Graders120	120	0.06	0.26	3.70	0.01	0.01	0.00	469.07	0.15	0.01
Graders	2021	2021Graders175	175	0.06	0.26	2.20	0.01	0.01	0.00	478.53	0.15	0.01
Graders	2021	2021Graders250	250	0.06	0.26	2.20	0.01	0.01	0.00	474.54	0.15	0.01
Graders	2021	2021Graders500	500	0.06	0.26	2.20	0.01	0.01	0.00	471.90	0.15	0.01
Graders	2021	2021Graders750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Graders	2022	2022Graders50	50	0.12	2.74	3.70	0.01	0.01	0.01	493.02	0.16	0.01
Graders	2022	2022Graders120	120	0.06	0.26	3.70	0.01	0.01	0.00	469.63	0.15	0.01
Graders	2022	2022Graders175	175	0.06	0.26	2.20	0.01	0.01	0.00	478.57	0.15	0.01
Graders	2022	2022Graders250	250	0.06	0.26	2.20	0.01	0.01	0.00	474.24	0.15	0.01
Graders	2022	2022Graders500	500	0.06	0.26	2.20	0.01	0.01	0.00	471.93	0.15	0.01

Graders	2022	2022Graders750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Graders	2023	2023Graders50	50	0.12	2.74	3.70	0.01	0.01	0.01	494.02	0.16	0.01
Graders	2023	2023Graders120	120	0.06	0.26	3.70	0.01	0.01	0.00	469.29	0.15	0.01
Graders	2023	2023Graders175	175	0.06	0.26	2.20	0.01	0.01	0.00	478.46	0.15	0.01
Graders	2023	2023Graders250	250	0.06	0.26	2.20	0.01	0.01	0.00	473.93	0.15	0.01
Graders	2023	2023Graders500	500	0.06	0.26	2.20	0.01	0.01	0.00	471.03	0.15	0.01
Graders	2023	2023Graders750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Graders	2024	2024Graders50	50	0.12	2.74	3.70	0.01	0.01	0.01	493.79	0.16	0.01
Graders	2024	2024Graders120	120	0.06	0.26	3.70	0.01	0.01	0.00	469.82	0.15	0.01
Graders	2024	2024Graders175	175	0.06	0.26	2.20	0.01	0.01	0.00	478.50	0.15	0.01
Graders	2024	2024Graders250	250	0.06	0.26	2.20	0.01	0.01	0.00	473.67	0.15	0.01
Graders	2024	2024Graders500	500	0.06	0.26	2.20	0.01	0.01	0.00	470.27	0.15	0.01
Graders	2024	2024Graders750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Graders	2025	2025Graders50	50	0.12	2.74	3.70	0.01	0.01	0.01	493.53	0.16	0.01
Graders	2025	2025Graders120	120	0.06	0.26	3.70	0.01	0.01	0.00	468.32	0.15	0.01
Graders	2025	2025Graders175	175	0.06	0.26	2.20	0.01	0.01	0.00	478.51	0.15	0.01
Graders	2025	2025Graders250	250	0.06	0.26	2.20	0.01	0.01	0.00	473.47	0.15	0.01
Graders	2025	2025Graders500	500	0.06	0.26	2.20	0.01	0.01	0.00	470.75	0.15	0.01
Graders	2025	2025Graders750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Graders	2030	2030Graders50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.06	0.01
Graders	2030	2030Graders120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Graders	2030	2030Graders175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Graders	2030	2030Graders250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Graders	2030	2030Graders500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Graders	2030	2030Graders750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Graders	2035	2035Graders50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Graders	2035	2035Graders120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Graders	2035	2035Graders175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Graders	2035	2035Graders250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Graders	2035	2035Graders500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Graders	2035	2035Graders750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Graders	2040	2040Graders50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Graders	2040	2040Graders120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Graders	2040	2040Graders175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Graders	2040	2040Graders250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Graders	2040	2040Graders500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Graders	2040	2040Graders750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Off-Highway Tractors	1990	1990Off-Highway Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.79	568.30	0.22	0.01
Off-Highway Tractors	1990	1990Off-Highway Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.76	568.30	0.17	0.01
Off-Highway Tractors	1990	1990Off-Highway Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.76	568.30	0.17	0.01
Off-Highway Tractors	1990	1990Off-Highway Tractors750	750	0.06	0.26	2.20	0.01	0.01	1.02	568.30	0.15	0.01
Off-Highway Tractors	1990	1990Off-Highway Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	1.02	568.30	0.15	0.01
Off-Highway Tractors	2000	2000Off-Highway Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.18	0.01
Off-Highway Tractors	2000	2000Off-Highway Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.13	0.01
Off-Highway Tractors	2000	2000Off-Highway Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.11	0.01
Off-Highway Tractors	2000	2000Off-Highway Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.10	0.01
Off-Highway Tractors	2000	2000Off-Highway Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.05	568.30	0.11	0.01
Off-Highway Tractors	2005	2005Off-Highway Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.17	0.01
Off-Highway Tractors	2005	2005Off-Highway Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.11	0.01
Off-Highway Tractors	2005	2005Off-Highway Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.09	0.01
Off-Highway Tractors	2005	2005Off-Highway Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.08	0.01
Off-Highway Tractors	2005	2005Off-Highway Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.05	568.30	0.09	0.01
Off-Highway Tractors	2010	2010Off-Highway Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.00	529.89	0.15	0.01
Off-Highway Tractors	2010	2010Off-Highway Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.00	526.05	0.15	0.01
Off-Highway Tractors	2010	2010Off-Highway Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.00	522.82	0.15	0.01
Off-Highway Tractors	2010	2010Off-Highway Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.00	526.64	0.15	0.01
Off-Highway Tractors	2010	2010Off-Highway Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	524.51	0.15	0.01
Off-Highway Tractors	2011	2011Off-Highway Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.00	528.61	0.15	0.01
Off-Highway Tractors	2011	2011Off-Highway Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.00	524.55	0.15	0.01
Off-Highway Tractors	2011	2011Off-Highway Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.00	521.53	0.15	0.01
Off-Highway Tractors	2011	2011Off-Highway Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.00	525.32	0.15	0.01
Off-Highway Tractors	2011	2011Off-Highway Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	523.19	0.15	0.01
Off-Highway Tractors	2012	2012Off-Highway Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.00	527.13	0.15	0.01
Off-Highway Tractors	2012	2012Off-Highway Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.00	523.20	0.15	0.01
Off-Highway Tractors	2012	2012Off-Highway Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.00	520.26	0.15	0.01
Off-Highway Tractors	2012	2012Off-Highway Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.00	523.99	0.15	0.01
Off-Highway Tractors	2012	2012Off-Highway Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	521.88	0.15	0.01
Off-Highway Tractors	2013	2013Off-Highway Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.00	524.16	0.15	0.01
Off-Highway Tractors	2013	2013Off-Highway Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.00	520.62	0.15	0.01
Off-Highway Tractors	2013	2013Off-Highway Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.00	517.56	0.15	0.01
Off-Highway Tractors	2013	2013Off-Highway Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.00	519.62	0.15	0.01
Off-Highway Tractors	2013	2013Off-Highway Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	519.26	0.15	0.01
Off-Highway Tractors	2014	2014Off-Highway Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.00	520.82	0.15	0.01
Off-Highway Tractors	2014	2014Off-Highway Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.00	518.16	0.15	0.01
Off-Highway Tractors	2014	2014Off-Highway Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.00	514.37	0.15	0.01
Off-Highway Tractors	2014	2014Off-Highway Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.00	516.90	0.15	0.01
Off-Highway Tractors	2014	2014Off-Highway Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	516.64	0.15	0.01
Off-Highway Tractors	2015	2015Off-Highway Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.00	515.32	0.15	0.01
Off-Highway Tractors	2015	2015Off-Highway Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.00	512.61	0.15	0.01
Off-Highway Tractors	2015	2015Off-Highway Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.00	509.19	0.15	0.01
Off-Highway Tractors	2015	2015Off-Highway Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.00	511.08	0.15	0.01
Off-Highway Tractors	2015	2015Off-Highway Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	511.39	0.15	0.01
Off-Highway Tractors	2016	2016Off-Highway Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.00	509.45	0.15	0.01
Off-Highway Tractors	2016	2016Off-Highway Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.00	507.63	0.15	0.01
Off-Highway Tractors	2016	2016Off-Highway Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.00	504.12	0.15	0.01
Off-Highway Tractors	2016	2016Off-Highway Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.00	505.76	0.15	0.01
Off-Highway Tractors	2016	2016Off-Highway Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	506.15	0.15	0.01
Off-Highway Tractors	2017	2017Off-Highway Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.00	501.25	0.15	0.01
Off-Highway Tractors	2017	2017Off-Highway Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.00	499.24	0.15	0.01
Off-Highway Tractors	2017	2017Off-Highway Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.00	496.50	0.15	0.01
Off-Highway Tractors	2017	2017Off-Highway Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.00	497.62	0.15	0.01
Off-Highway Tractors	2017	2017Off-Highway Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	498.28	0.15	0.01
Off-Highway Tractors	2018	2018Off-Highway Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.00	492.87	0.15	0.01
Off-Highway Tractors	2018	2018Off-Highway Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.00	491.31	0.15	0.01
Off-Highway Tractors	2018	2018Off-Highway Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.00	488.68	0.15	0.01
Off-Highway Tractors	2018	2018Off-Highway Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.00	490.18	0.15	0.01
Off-Highway Tractors	2018	2018Off-Highway Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	490.41	0.15	0.01
Off-Highway Tractors	2019	2019Off-Highway Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.00	484.27	0.15	0.01
Off-Highway Tractors	2019	2019Off-Highway Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.00	483.43	0.15	0.01
Off-Highway Tractors	2019	2019Off-Highway Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.00	481.28	0.15	0.01
Off-Highway Tractors	2019	2019Off-Highway Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.00	482.31	0.15	0.01
Off-Highway Tractors	2019	2019Off-Highway Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	482.54	0.15	0.01
Off-Highway Tractors	2020	2020Off-Highway Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.00	474.15	0.15	0.01
Off-Highway Tractors	2020	2020Off-Highway Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.00	472.92	0.15	0.01
Off-Highway Tractors	2020	2020Off-Highway Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.00	470.94	0.15	0.01
Off-Highway Tractors	2020	2020Off-Highway Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.00	471.82	0.15	0.01
Off-Highway Tractors	2020	2020Off-Highway Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	472.05	0.15	0.01
Off-Highway Tractors	2021	2021Off-Highway Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.00	474.52	0.15	0.01
Off-Highway Tractors	2021	2021Off-Highway Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.00	472.92	0.15	0.01
Off-Highway Tractors	2021	2021Off-Highway Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.00	471.00	0.15	0.01
Off-Highway Tractors	2021	2021Off-Highway Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.00	471.81	0.15	0.01
Off-Highway Tractors	2021	2021Off-Highway Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	472.05	0.15	0.01
Off-Highway Tractors	2022	2022Off-Highway Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.00	475.23	0.15	0.01
Off-Highway Tractors	2022	2022Off-Highway Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.00	472.81	0.15	0.01
Off-Highway Tractors	2022	2022Off-Highway Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.00	471.13	0.15	0.01
Off-Highway Tractors	2022	2022Off-Highway Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.00	471.94	0.15	0.01
Off-Highway Tractors	2022	2022Off-Highway Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	472.05	0.15	0.01
Off-Highway Tractors	2023	2023Off-Highway Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.00	476.09	0.15	0.01
Off-Highway Tractors	2023	2023Off-Highway Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.00	473.00	0.15	0.01
Off-Highway Tractors	2023	2023Off-Highway Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.00	470.85	0.15	0.01
Off-Highway Tractors	2023	2023Off-Highway Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.00	471.93	0.15	0.01
Off-Highway Tractors	2023	2023Off-Highway Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	472.05	0.15	0.01
Off-Highway Tractors	2024	2024Off-Highway Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.00	476.37	0.15	0.01
Off-Highway Tractors	2024	2024Off-Highway Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.00	473.10	0.15	0.01
Off-Highway Tractors	2024	2024Off-Highway Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.00	470.69	0.15	0.01
Off-Highway Tractors	2024	2024Off-Highway Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.00	471.92	0.15	0.01
Off-Highway Tractors	2024	2024Off-Highway Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	472.05	0.15	0.01
Off-Highway Tractors	2025	2025Off-Highway Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.00	476.92	0.15	0.01
Off-Highway Tractors	2025	2025Off-Highway Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.00	473.30	0.15	0.01
Off-Highway Tractors	2025	2025Off-Highway Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.00	470.86	0.15	0.01
Off-Highway Tractors	2025	2025Off-Highway Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.00	471.92	0.15	0.01
Off-Highway Tractors	2025	2025Off-Highway Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	472.05	0.15	0.01
Off-Highway Tractors	2030	2030Off-Highway Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Off-Highway Tractors	2030	2030Off-Highway Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Off-Highway Tractors	2030	2030Off-Highway Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Off-Highway Tractors	2030	2030Off-Highway Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Off-Highway Tractors	2030	2030Off-Highway Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.03	0.01
Off-Highway Tractors	2035	2035Off-Highway Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Off-Highway Tractors	2035	2035Off-Highway Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Off-Highway Tractors	2035	2035Off-Highway Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Off-Highway Tractors	2035	2035Off-Highway Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Off-Highway Tractors	2035	2035Off-Highway Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.02	0.01

Off-Highway Tractors	2040	2040Off-Highway Tractors120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Off-Highway Tractors	2040	2040Off-Highway Tractors175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Off-Highway Tractors	2040	2040Off-Highway Tractors250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Off-Highway Tractors	2040	2040Off-Highway Tractors750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Off-Highway Tractors	2040	2040Off-Highway Tractors1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.02	0.01
Off-Highway Trucks	1990	1990Off-Highway Trucks175	175	0.06	0.26	2.20	0.01	0.01	0.76	568.30	0.18	0.01
Off-Highway Trucks	1990	1990Off-Highway Trucks250	250	0.06	0.26	2.20	0.01	0.01	0.76	568.30	0.18	0.01
Off-Highway Trucks	1990	1990Off-Highway Trucks500	500	0.06	0.26	2.20	0.01	0.01	0.66	568.30	0.16	0.01
Off-Highway Trucks	1990	1990Off-Highway Trucks750	750	0.06	0.26	2.20	0.01	0.01	1.02	568.30	0.16	0.01
Off-Highway Trucks	1990	1990Off-Highway Trucks1000	1000	0.06	2.24	2.60	0.02	0.02	1.02	568.30	0.16	0.01
Off-Highway Trucks	2000	2000Off-Highway Trucks175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.12	0.01
Off-Highway Trucks	2000	2000Off-Highway Trucks250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.09	0.01
Off-Highway Trucks	2000	2000Off-Highway Trucks500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.08	0.01
Off-Highway Trucks	2000	2000Off-Highway Trucks750	750	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.08	0.01
Off-Highway Trucks	2000	2000Off-Highway Trucks1000	1000	0.06	2.24	2.60	0.02	0.02	0.05	568.30	0.09	0.01
Off-Highway Trucks	2005	2005Off-Highway Trucks175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.10	0.01
Off-Highway Trucks	2005	2005Off-Highway Trucks250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.07	0.01
Off-Highway Trucks	2005	2005Off-Highway Trucks500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.06	0.01
Off-Highway Trucks	2005	2005Off-Highway Trucks750	750	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.06	0.01
Off-Highway Trucks	2005	2005Off-Highway Trucks1000	1000	0.06	2.24	2.60	0.02	0.02	0.05	568.30	0.07	0.01
Off-Highway Trucks	2010	2010Off-Highway Trucks175	175	0.06	0.26	2.20	0.01	0.01	0.00	522.65	0.15	0.01
Off-Highway Trucks	2010	2010Off-Highway Trucks250	250	0.06	0.26	2.20	0.01	0.01	0.00	521.88	0.15	0.01
Off-Highway Trucks	2010	2010Off-Highway Trucks500	500	0.06	0.26	2.20	0.01	0.01	0.00	528.81	0.15	0.01
Off-Highway Trucks	2010	2010Off-Highway Trucks750	750	0.06	0.26	2.20	0.01	0.01	0.00	530.44	0.15	0.01
Off-Highway Trucks	2010	2010Off-Highway Trucks1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	526.59	0.15	0.01
Off-Highway Trucks	2011	2011Off-Highway Trucks175	175	0.06	0.26	2.20	0.01	0.01	0.00	521.32	0.15	0.01
Off-Highway Trucks	2011	2011Off-Highway Trucks250	250	0.06	0.26	2.20	0.01	0.01	0.00	520.15	0.15	0.01
Off-Highway Trucks	2011	2011Off-Highway Trucks500	500	0.06	0.26	2.20	0.01	0.01	0.00	527.26	0.15	0.01
Off-Highway Trucks	2011	2011Off-Highway Trucks750	750	0.06	0.26	2.20	0.01	0.01	0.00	529.01	0.15	0.01
Off-Highway Trucks	2011	2011Off-Highway Trucks1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	524.75	0.15	0.01
Off-Highway Trucks	2012	2012Off-Highway Trucks175	175	0.06	0.26	2.20	0.01	0.01	0.00	519.90	0.15	0.01
Off-Highway Trucks	2012	2012Off-Highway Trucks250	250	0.06	0.26	2.20	0.01	0.01	0.00	518.71	0.15	0.01
Off-Highway Trucks	2012	2012Off-Highway Trucks500	500	0.06	0.26	2.20	0.01	0.01	0.00	525.94	0.15	0.01
Off-Highway Trucks	2012	2012Off-Highway Trucks750	750	0.06	0.26	2.20	0.01	0.01	0.00	527.61	0.15	0.01
Off-Highway Trucks	2012	2012Off-Highway Trucks1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	523.33	0.15	0.01
Off-Highway Trucks	2013	2013Off-Highway Trucks175	175	0.06	0.26	2.20	0.01	0.01	0.00	517.01	0.15	0.01
Off-Highway Trucks	2013	2013Off-Highway Trucks250	250	0.06	0.26	2.20	0.01	0.01	0.00	515.83	0.15	0.01
Off-Highway Trucks	2013	2013Off-Highway Trucks500	500	0.06	0.26	2.20	0.01	0.01	0.00	523.55	0.15	0.01
Off-Highway Trucks	2013	2013Off-Highway Trucks750	750	0.06	0.26	2.20	0.01	0.01	0.00	525.11	0.15	0.01
Off-Highway Trucks	2013	2013Off-Highway Trucks1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	520.59	0.15	0.01
Off-Highway Trucks	2014	2014Off-Highway Trucks175	175	0.06	0.26	2.20	0.01	0.01	0.00	514.06	0.15	0.01
Off-Highway Trucks	2014	2014Off-Highway Trucks250	250	0.06	0.26	2.20	0.01	0.01	0.00	512.83	0.15	0.01
Off-Highway Trucks	2014	2014Off-Highway Trucks500	500	0.06	0.26	2.20	0.01	0.01	0.00	521.06	0.15	0.01
Off-Highway Trucks	2014	2014Off-Highway Trucks750	750	0.06	0.26	2.20	0.01	0.01	0.00	521.23	0.15	0.01
Off-Highway Trucks	2014	2014Off-Highway Trucks1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	516.94	0.15	0.01
Off-Highway Trucks	2015	2015Off-Highway Trucks175	175	0.06	0.26	2.20	0.01	0.01	0.00	508.70	0.15	0.01
Off-Highway Trucks	2015	2015Off-Highway Trucks250	250	0.06	0.26	2.20	0.01	0.01	0.00	507.81	0.15	0.01
Off-Highway Trucks	2015	2015Off-Highway Trucks500	500	0.06	0.26	2.20	0.01	0.01	0.00	515.84	0.15	0.01
Off-Highway Trucks	2015	2015Off-Highway Trucks750	750	0.06	0.26	2.20	0.01	0.01	0.00	514.64	0.15	0.01
Off-Highway Trucks	2015	2015Off-Highway Trucks1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	511.14	0.15	0.01
Off-Highway Trucks	2016	2016Off-Highway Trucks175	175	0.06	0.26	2.20	0.01	0.01	0.00	503.55	0.15	0.01
Off-Highway Trucks	2016	2016Off-Highway Trucks250	250	0.06	0.26	2.20	0.01	0.01	0.00	502.47	0.15	0.01
Off-Highway Trucks	2016	2016Off-Highway Trucks500	500	0.06	0.26	2.20	0.01	0.01	0.00	509.86	0.15	0.01
Off-Highway Trucks	2016	2016Off-Highway Trucks750	750	0.06	0.26	2.20	0.01	0.01	0.00	508.39	0.15	0.01
Off-Highway Trucks	2016	2016Off-Highway Trucks1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	505.72	0.15	0.01
Off-Highway Trucks	2017	2017Off-Highway Trucks175	175	0.06	0.26	2.20	0.01	0.01	0.00	495.92	0.15	0.01
Off-Highway Trucks	2017	2017Off-Highway Trucks250	250	0.06	0.26	2.20	0.01	0.01	0.00	494.79	0.15	0.01
Off-Highway Trucks	2017	2017Off-Highway Trucks500	500	0.06	0.26	2.20	0.01	0.01	0.00	501.44	0.15	0.01
Off-Highway Trucks	2017	2017Off-Highway Trucks750	750	0.06	0.26	2.20	0.01	0.01	0.00	500.20	0.15	0.01
Off-Highway Trucks	2017	2017Off-Highway Trucks1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	497.12	0.15	0.01
Off-Highway Trucks	2018	2018Off-Highway Trucks175	175	0.06	0.26	2.20	0.01	0.01	0.00	488.04	0.15	0.01
Off-Highway Trucks	2018	2018Off-Highway Trucks250	250	0.06	0.26	2.20	0.01	0.01	0.00	487.64	0.15	0.01
Off-Highway Trucks	2018	2018Off-Highway Trucks500	500	0.06	0.26	2.20	0.01	0.01	0.00	493.51	0.15	0.01
Off-Highway Trucks	2018	2018Off-Highway Trucks750	750	0.06	0.26	2.20	0.01	0.01	0.00	492.11	0.15	0.01
Off-Highway Trucks	2018	2018Off-Highway Trucks1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	487.79	0.15	0.01
Off-Highway Trucks	2019	2019Off-Highway Trucks175	175	0.06	0.26	2.20	0.01	0.01	0.00	480.36	0.15	0.01
Off-Highway Trucks	2019	2019Off-Highway Trucks250	250	0.06	0.26	2.20	0.01	0.01	0.00	480.17	0.15	0.01
Off-Highway Trucks	2019	2019Off-Highway Trucks500	500	0.06	0.26	2.20	0.01	0.01	0.00	485.38	0.15	0.01
Off-Highway Trucks	2019	2019Off-Highway Trucks750	750	0.06	0.26	2.20	0.01	0.01	0.00	483.22	0.15	0.01
Off-Highway Trucks	2019	2019Off-Highway Trucks1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	480.35	0.15	0.01
Off-Highway Trucks	2020	2020Off-Highway Trucks175	175	0.06	0.26	2.20	0.01	0.01	0.00	470.10	0.15	0.01
Off-Highway Trucks	2020	2020Off-Highway Trucks250	250	0.06	0.26	2.20	0.01	0.01	0.00	470.17	0.15	0.01
Off-Highway Trucks	2020	2020Off-Highway Trucks500	500	0.06	0.26	2.20	0.01	0.01	0.00	474.58	0.15	0.01
Off-Highway Trucks	2020	2020Off-Highway Trucks750	750	0.06	0.26	2.20	0.01	0.01	0.00	472.75	0.15	0.01
Off-Highway Trucks	2020	2020Off-Highway Trucks1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	469.89	0.15	0.01
Off-Highway Trucks	2021	2021Off-Highway Trucks175	175	0.06	0.26	2.20	0.01	0.01	0.00	470.29	0.15	0.01
Off-Highway Trucks	2021	2021Off-Highway Trucks250	250	0.06	0.26	2.20	0.01	0.01	0.00	470.19	0.15	0.01
Off-Highway Trucks	2021	2021Off-Highway Trucks500	500	0.06	0.26	2.20	0.01	0.01	0.00	474.54	0.15	0.01
Off-Highway Trucks	2021	2021Off-Highway Trucks750	750	0.06	0.26	2.20	0.01	0.01	0.00	472.99	0.15	0.01
Off-Highway Trucks	2021	2021Off-Highway Trucks1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	471.06	0.15	0.01
Off-Highway Trucks	2022	2022Off-Highway Trucks175	175	0.06	0.26	2.20	0.01	0.01	0.00	470.18	0.15	0.01
Off-Highway Trucks	2022	2022Off-Highway Trucks250	250	0.06	0.26	2.20	0.01	0.01	0.00	469.62	0.15	0.01
Off-Highway Trucks	2022	2022Off-Highway Trucks500	500	0.06	0.26	2.20	0.01	0.01	0.00	474.71	0.15	0.01
Off-Highway Trucks	2022	2022Off-Highway Trucks750	750	0.06	0.26	2.20	0.01	0.01	0.00	473.98	0.15	0.01
Off-Highway Trucks	2022	2022Off-Highway Trucks1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	472.34	0.15	0.01
Off-Highway Trucks	2023	2023Off-Highway Trucks175	175	0.06	0.26	2.20	0.01	0.01	0.00	470.29	0.15	0.01
Off-Highway Trucks	2023	2023Off-Highway Trucks250	250	0.06	0.26	2.20	0.01	0.01	0.00	469.45	0.15	0.01
Off-Highway Trucks	2023	2023Off-Highway Trucks500	500	0.06	0.26	2.20	0.01	0.01	0.00	475.05	0.15	0.01
Off-Highway Trucks	2023	2023Off-Highway Trucks750	750	0.06	0.26	2.20	0.01	0.01	0.00	473.77	0.15	0.01
Off-Highway Trucks	2023	2023Off-Highway Trucks1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	472.86	0.15	0.01
Off-Highway Trucks	2024	2024Off-Highway Trucks175	175	0.06	0.26	2.20	0.01	0.01	0.00	470.26	0.15	0.01
Off-Highway Trucks	2024	2024Off-Highway Trucks250	250	0.06	0.26	2.20	0.01	0.01	0.00	469.11	0.15	0.01
Off-Highway Trucks	2024	2024Off-Highway Trucks500	500	0.06	0.26	2.20	0.01	0.01	0.00	475.22	0.15	0.01
Off-Highway Trucks	2024	2024Off-Highway Trucks750	750	0.06	0.26	2.20	0.01	0.01	0.00	473.84	0.15	0.01
Off-Highway Trucks	2024	2024Off-Highway Trucks1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	473.10	0.15	0.01
Off-Highway Trucks	2025	2025Off-Highway Trucks175	175	0.06	0.26	2.20	0.01	0.01	0.00	470.00	0.15	0.01
Off-Highway Trucks	2025	2025Off-Highway Trucks250	250	0.06	0.26	2.20	0.01	0.01	0.00	469.13	0.15	0.01
Off-Highway Trucks	2025	2025Off-Highway Trucks500	500	0.06	0.26	2.20	0.01	0.01	0.00	474.97	0.15	0.01
Off-Highway Trucks	2025	2025Off-Highway Trucks750	750	0.06	0.26	2.20	0.01	0.01	0.00	476.31	0.15	0.01
Off-Highway Trucks	2025	2025Off-Highway Trucks1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	473.37	0.15	0.01
Off-Highway Trucks	2030	2030Off-Highway Trucks175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Off-Highway Trucks	2030	2030Off-Highway Trucks250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Off-Highway Trucks	2030	2030Off-Highway Trucks500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Off-Highway Trucks	2030	2030Off-Highway Trucks750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Off-Highway Trucks	2030	2030Off-Highway Trucks1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.02	0.01
Off-Highway Trucks	2035	2035Off-Highway Trucks175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Off-Highway Trucks	2035	2035Off-Highway Trucks250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Off-Highway Trucks	2035	2035Off-Highway Trucks500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Off-Highway Trucks	2035	2035Off-Highway Trucks750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Off-Highway Trucks	2035	2035Off-Highway Trucks1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.02	0.01
Off-Highway Trucks	2040	2040Off-Highway Trucks175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Off-Highway Trucks	2040	2040Off-Highway Trucks250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Off-Highway Trucks	2040	2040Off-Highway Trucks500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Off-Highway Trucks	2040	2040Off-Highway Trucks750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Off-Highway Trucks	2040	2040Off-Highway Trucks1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.02	0.01
Other Construction Equipment	1990	1990Other Construction Equipment15	15	1.80	10.00	5.00	0.98	0.98	1.05	568.30	0.16	0.01
Other Construction Equipment	1990	1990Other Construction Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.86	568.30	0.20	0.01
Other Construction Equipment	1990	1990Other Construction Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.87	568.30	0.43	0.01
Other Construction Equipment	1990	1990Other Construction Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.79	568.30	0.22	0.01
Other Construction Equipment	1990	1990Other Construction Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.76	568.30	0.18	0.01
Other Construction Equipment	1990	1990Other Construction Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.66	568.30	0.16	0.01
Other Construction Equipment	2000	2000Other Construction Equipment15	15	1.48	8.24	4.49	0.68	0.68	0.08	568.30	0.13	0.01
Other Construction Equipment	2000	2000Other Construction Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.07	568.30	0.18	0.01
Other Construction Equipment	2000	2000Other Construction Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.34	0.01
Other Construction Equipment	2000	2000Other Construction Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.15	0.01
Other Construction Equipment	2000	2000Other Construction Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.10	0.01
Other Construction Equipment	2000	2000Other Construction Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.07	0.01
Other Construction Equipment	2005	2005Other Construction Equipment15	15	0.77	5.23	3.47	0.36	0.36	0.08	568.30	0.07	0.01
Other Construction Equipment	2005	2005Other Construction Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.07	568.30	0.08	0.01
Other Construction Equipment	2005	2005Other Construction Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.29	0.01
Other Construction Equipment	2005	2005Other Construction Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.13	0.01
Other Construction Equipment	2005	2005Other Construction Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.08	0.01
Other Construction Equipment	2005	2005Other Construction Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.05	0.01
Other Construction Equipment	2010	2010Other Construction Equipment15	15	1.28	5.55	5.29	0.50	0.46	0.01	587.55	0.17	0.01
Other Construction Equipment	2010	2010Other Construction Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	587.55	0.17	0.01
Other Construction Equipment	2010	2010Other Construction Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	587.55	0.17	0.01
Other Construction Equipment	2010	2010Other Construction Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	523.17	0.15	0.01
Other Construction Equipment	2010	2010Other Construction Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	522.12	0.15	0.01
Other Construction Equipment	2010	2010Other Construction Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	530.85	0.15	0.01
Other Construction Equipment	2011	2011Other Construction Equipment15	15	1.29	5.57	5.37	0.50	0.46	0.01	586.07	0.17	0.01
Other Construction Equipment	2011	2011Other Construction Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	586.07	0.17	0.01
Other Construction Equipment	2011	2011Other Construction Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	586.07	0.17	0.01

Other Construction Equipment	2011	2011Other Construction Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	521.53	0.15	0.01
Other Construction Equipment	2011	2011Other Construction Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	520.66	0.15	0.01
Other Construction Equipment	2011	2011Other Construction Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	529.96	0.15	0.01
Other Construction Equipment	2012	2012Other Construction Equipment15	15	1.30	5.58	5.47	0.50	0.46	0.01	584.66	0.17	0.01
Other Construction Equipment	2012	2012Other Construction Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	584.66	0.17	0.01
Other Construction Equipment	2012	2012Other Construction Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	584.66	0.17	0.01
Other Construction Equipment	2012	2012Other Construction Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	519.91	0.15	0.01
Other Construction Equipment	2012	2012Other Construction Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	519.35	0.15	0.01
Other Construction Equipment	2012	2012Other Construction Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	528.62	0.15	0.01
Other Construction Equipment	2013	2013Other Construction Equipment15	15	1.32	5.60	5.58	0.51	0.47	0.01	581.85	0.17	0.01
Other Construction Equipment	2013	2013Other Construction Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	581.85	0.17	0.01
Other Construction Equipment	2013	2013Other Construction Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	581.85	0.17	0.01
Other Construction Equipment	2013	2013Other Construction Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	517.59	0.15	0.01
Other Construction Equipment	2013	2013Other Construction Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	516.99	0.15	0.01
Other Construction Equipment	2013	2013Other Construction Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	525.11	0.15	0.01
Other Construction Equipment	2014	2014Other Construction Equipment15	15	1.30	5.57	5.60	0.50	0.46	0.01	578.96	0.17	0.01
Other Construction Equipment	2014	2014Other Construction Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	578.96	0.17	0.01
Other Construction Equipment	2014	2014Other Construction Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	578.96	0.17	0.01
Other Construction Equipment	2014	2014Other Construction Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	515.28	0.15	0.01
Other Construction Equipment	2014	2014Other Construction Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	514.55	0.15	0.01
Other Construction Equipment	2014	2014Other Construction Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	520.94	0.15	0.01
Other Construction Equipment	2015	2015Other Construction Equipment15	15	1.31	5.56	5.68	0.50	0.46	0.01	573.02	0.17	0.01
Other Construction Equipment	2015	2015Other Construction Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	573.02	0.17	0.01
Other Construction Equipment	2015	2015Other Construction Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	573.02	0.17	0.01
Other Construction Equipment	2015	2015Other Construction Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	510.17	0.15	0.01
Other Construction Equipment	2015	2015Other Construction Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	509.31	0.15	0.01
Other Construction Equipment	2015	2015Other Construction Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	515.20	0.15	0.01
Other Construction Equipment	2016	2016Other Construction Equipment15	15	1.28	5.50	5.68	0.49	0.45	0.01	566.98	0.17	0.01
Other Construction Equipment	2016	2016Other Construction Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	566.98	0.17	0.01
Other Construction Equipment	2016	2016Other Construction Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	566.98	0.17	0.01
Other Construction Equipment	2016	2016Other Construction Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	505.35	0.15	0.01
Other Construction Equipment	2016	2016Other Construction Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	503.96	0.15	0.01
Other Construction Equipment	2016	2016Other Construction Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	509.71	0.15	0.01
Other Construction Equipment	2017	2017Other Construction Equipment15	15	1.24	5.42	5.66	0.48	0.44	0.01	558.00	0.17	0.01
Other Construction Equipment	2017	2017Other Construction Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	558.00	0.17	0.01
Other Construction Equipment	2017	2017Other Construction Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	558.00	0.17	0.01
Other Construction Equipment	2017	2017Other Construction Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	497.38	0.15	0.01
Other Construction Equipment	2017	2017Other Construction Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	495.93	0.15	0.01
Other Construction Equipment	2017	2017Other Construction Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	501.13	0.15	0.01
Other Construction Equipment	2018	2018Other Construction Equipment15	15	1.17	5.27	5.54	0.45	0.41	0.01	548.94	0.17	0.01
Other Construction Equipment	2018	2018Other Construction Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	548.94	0.17	0.01
Other Construction Equipment	2018	2018Other Construction Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	548.94	0.17	0.01
Other Construction Equipment	2018	2018Other Construction Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	490.02	0.15	0.01
Other Construction Equipment	2018	2018Other Construction Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	487.99	0.15	0.01
Other Construction Equipment	2018	2018Other Construction Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	493.36	0.15	0.01
Other Construction Equipment	2019	2019Other Construction Equipment15	15	1.15	5.20	5.54	0.44	0.40	0.01	539.73	0.17	0.01
Other Construction Equipment	2019	2019Other Construction Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	539.73	0.17	0.01
Other Construction Equipment	2019	2019Other Construction Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	539.73	0.17	0.01
Other Construction Equipment	2019	2019Other Construction Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	482.22	0.15	0.01
Other Construction Equipment	2019	2019Other Construction Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	480.45	0.15	0.01
Other Construction Equipment	2019	2019Other Construction Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	485.41	0.15	0.01
Other Construction Equipment	2020	2020Other Construction Equipment15	15	1.07	5.04	5.40	0.41	0.37	0.01	527.97	0.17	0.01
Other Construction Equipment	2020	2020Other Construction Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	527.97	0.17	0.01
Other Construction Equipment	2020	2020Other Construction Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	527.97	0.17	0.01
Other Construction Equipment	2020	2020Other Construction Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	472.22	0.15	0.01
Other Construction Equipment	2020	2020Other Construction Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	469.98	0.15	0.01
Other Construction Equipment	2020	2020Other Construction Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	475.23	0.15	0.01
Other Construction Equipment	2021	2021Other Construction Equipment15	15	1.01	4.90	5.31	0.38	0.35	0.01	527.78	0.17	0.01
Other Construction Equipment	2021	2021Other Construction Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	527.78	0.17	0.01
Other Construction Equipment	2021	2021Other Construction Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	527.78	0.17	0.01
Other Construction Equipment	2021	2021Other Construction Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	472.28	0.15	0.01
Other Construction Equipment	2021	2021Other Construction Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	469.76	0.15	0.01
Other Construction Equipment	2021	2021Other Construction Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	475.21	0.15	0.01
Other Construction Equipment	2022	2022Other Construction Equipment15	15	0.92	4.74	5.17	0.35	0.32	0.01	529.18	0.17	0.01
Other Construction Equipment	2022	2022Other Construction Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	529.18	0.17	0.01
Other Construction Equipment	2022	2022Other Construction Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	529.18	0.17	0.01
Other Construction Equipment	2022	2022Other Construction Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	472.32	0.15	0.01
Other Construction Equipment	2022	2022Other Construction Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	469.61	0.15	0.01
Other Construction Equipment	2022	2022Other Construction Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	476.00	0.15	0.01
Other Construction Equipment	2023	2023Other Construction Equipment15	15	0.87	4.59	5.07	0.32	0.30	0.01	529.34	0.17	0.01
Other Construction Equipment	2023	2023Other Construction Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	529.34	0.17	0.01
Other Construction Equipment	2023	2023Other Construction Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	529.34	0.17	0.01
Other Construction Equipment	2023	2023Other Construction Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	471.99	0.15	0.01
Other Construction Equipment	2023	2023Other Construction Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	469.56	0.15	0.01
Other Construction Equipment	2023	2023Other Construction Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	476.18	0.15	0.01
Other Construction Equipment	2024	2024Other Construction Equipment15	15	0.83	4.51	5.03	0.30	0.28	0.01	529.21	0.17	0.01
Other Construction Equipment	2024	2024Other Construction Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	529.21	0.17	0.01
Other Construction Equipment	2024	2024Other Construction Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	529.21	0.17	0.01
Other Construction Equipment	2024	2024Other Construction Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	472.13	0.15	0.01
Other Construction Equipment	2024	2024Other Construction Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	469.54	0.15	0.01
Other Construction Equipment	2024	2024Other Construction Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	476.48	0.15	0.01
Other Construction Equipment	2025	2025Other Construction Equipment15	15	0.76	4.31	4.87	0.27	0.25	0.01	528.95	0.17	0.01
Other Construction Equipment	2025	2025Other Construction Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	528.95	0.17	0.01
Other Construction Equipment	2025	2025Other Construction Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	528.95	0.17	0.01
Other Construction Equipment	2025	2025Other Construction Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	472.75	0.15	0.01
Other Construction Equipment	2025	2025Other Construction Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	469.84	0.15	0.01
Other Construction Equipment	2025	2025Other Construction Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	476.30	0.15	0.01
Other Construction Equipment	2030	20300ther Construction Equipment15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Other Construction Equipment	2030	20300ther Construction Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Other Construction Equipment	2030	20300ther Construction Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Other Construction Equipment	2030	20300ther Construction Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Other Construction Equipment	2030	20300ther Construction Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Other Construction Equipment	2030	20300ther Construction Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Other Construction Equipment	2035	20350ther Construction Equipment15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Other Construction Equipment	2035	20350ther Construction Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Other Construction Equipment	2035	20350ther Construction Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Other Construction Equipment	2035	20350ther Construction Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Other Construction Equipment	2035	20350ther Construction Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Other Construction Equipment	2035	20350ther Construction Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Other Construction Equipment	2040	20400ther Construction Equipment15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Other Construction Equipment	2040	20400ther Construction Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Other Construction Equipment	2040	20400ther Construction Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Other Construction Equipment	2040	20400ther Construction Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Other Construction Equipment	2040	20400ther Construction Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Other Construction Equipment	2040	20400ther Construction Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Other General Industrial Equipment	1990	1990Other General Industrial Equipment15	15	1.80	10.00	5.00	0.97	0.97	0.83	568.30	0.16	0.01
Other General Industrial Equipment	1990	1990Other General Industrial Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.68	568.30	0.20	0.01
Other General Industrial Equipment	1990	1990Other General Industrial Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.69	568.30	0.44	0.01
Other General Industrial Equipment	1990	1990Other General Industrial Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.63	568.30	0.21	0.01
Other General Industrial Equipment	1990	1990Other General Industrial Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.60	568.30	0.15	0.01
Other General Industrial Equipment	1990	1990Other General Industrial Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.60	568.30	0.15	0.01
Other General Industrial Equipment	1990	1990Other General Industrial Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.53	568.30	0.13	0.01
Other General Industrial Equipment	1990	1990Other General Industrial Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.54	568.30	0.13	0.01
Other General Industrial Equipment	1990	1990Other General Industrial Equipment1000	1000	0.06	2.24	2.60	0.02	0.02	0.54	568.30	0.13	0.01
Other General Industrial Equipment	2000	20000ther General Industrial Equipment15	15	1.05	7.36	4.26	0.43	0.43	0.08	568.30	0.09	0.01
Other General Industrial Equipment	2000	20000ther General Industrial Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.06	568.30	0.09	0.01
Other General Industrial Equipment	2000	20000ther General Industrial Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.41	0.01
Other General Industrial Equipment	2000	20000ther General Industrial Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.17	0.01
Other General Industrial Equipment	2000	20000ther General Industrial Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.11	0.01
Other General Industrial Equipment	2000	20000ther General Industrial Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.10	0.01
Other General Industrial Equipment	2000	20000ther General Industrial Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.09	0.01
Other General Industrial Equipment	2000	20000ther General Industrial Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.09	0.01
Other General Industrial Equipment	2000	20000ther General Industrial Equipment1000	1000	0.06	2.24	2.60	0.02	0.02	0.05	568.30	0.09	0.01
Other General Industrial Equipment	2005	20050ther General Industrial Equipment15	15	0.71	4.99	3.47	0.35	0.35	0.08	568.30	0.06	0.01
Other General Industrial Equipment	2005	20050ther General Industrial Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.06	568.30	0.07	0.01
Other General Industrial Equipment	2005	20050ther General Industrial Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.37	0.01
Other General Industrial Equipment	2005	20050ther General Industrial Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.15	0.01
Other General Industrial Equipment	2005	20050ther General Industrial Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.10	0.01
Other General Industrial Equipment	2005	20050ther General Industrial Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.07	0.01
Other General Industrial Equipment	2005	20050ther General Industrial Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.06	0.01
Other General Industrial Equipment	2005	20050ther General Industrial Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.06	0.01
Other General Industrial Equipment	2005	20050ther General Industrial Equipment1000	1000	0.06	2.24	2.60	0.02	0.02	0.05	568.30	0.07	0.01
Other General Industrial Equipment	2010	20100ther General Industrial Equipment15	15	1.57	5.69	6.01	0.56	0.52	0.01	584.64	0.17	0.01
Other General Industrial Equipment	2010	20100ther General Industrial Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	584.64	0.17	0.01
Other General Industrial Equipment	2010	20100ther General Industrial Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	584.64	0.17	0.01
Other General Industrial Equipment	2010	20100ther General Industrial Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	522.22	0.15	0.01
Other General Industrial Equipment	2010	20100ther General Industrial Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	524.28	0.15	0.01
Other General Industrial Equipment	2010	20100ther General Industrial Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	525.80	0.15	0.01
Other General Industrial Equipment	2010	20100ther General Industrial Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	525.48	0.15	0.01
Other General Industrial Equipment	2010	20100ther General Industrial Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.00	526.07	0.15	0.01
Other General Industrial Equipment	2010	20100ther General Industrial Equipment1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	524.51	0.15	0.01
Other General Industrial Equipment	2011	2011Other General Industrial Equipment15	15	1.56	5.69	6.09	0.56	0.52	0.01	583.18	0.17	0.01

Other General Industrial Equipment	2011	2011Other General Industrial Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	583.18	0.17	0.01
Other General Industrial Equipment	2011	2011Other General Industrial Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	583.18	0.17	0.01
Other General Industrial Equipment	2011	2011Other General Industrial Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	520.92	0.15	0.01
Other General Industrial Equipment	2011	2011Other General Industrial Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	522.97	0.15	0.01
Other General Industrial Equipment	2011	2011Other General Industrial Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	524.49	0.15	0.01
Other General Industrial Equipment	2011	2011Other General Industrial Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	524.16	0.15	0.01
Other General Industrial Equipment	2011	2011Other General Industrial Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.00	524.76	0.15	0.01
Other General Industrial Equipment	2011	2011Other General Industrial Equipment1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	523.19	0.15	0.01
Other General Industrial Equipment	2012	2012Other General Industrial Equipment15	15	1.59	5.71	6.25	0.57	0.52	0.01	581.72	0.17	0.01
Other General Industrial Equipment	2012	2012Other General Industrial Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	581.72	0.17	0.01
Other General Industrial Equipment	2012	2012Other General Industrial Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	581.72	0.17	0.01
Other General Industrial Equipment	2012	2012Other General Industrial Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	519.61	0.15	0.01
Other General Industrial Equipment	2012	2012Other General Industrial Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	521.66	0.15	0.01
Other General Industrial Equipment	2012	2012Other General Industrial Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	523.17	0.15	0.01
Other General Industrial Equipment	2012	2012Other General Industrial Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	522.85	0.15	0.01
Other General Industrial Equipment	2012	2012Other General Industrial Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.00	523.44	0.15	0.01
Other General Industrial Equipment	2012	2012Other General Industrial Equipment1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	521.88	0.15	0.01
Other General Industrial Equipment	2013	2013Other General Industrial Equipment15	15	1.55	5.65	6.26	0.56	0.51	0.01	578.79	0.17	0.01
Other General Industrial Equipment	2013	2013Other General Industrial Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	578.79	0.17	0.01
Other General Industrial Equipment	2013	2013Other General Industrial Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	578.79	0.17	0.01
Other General Industrial Equipment	2013	2013Other General Industrial Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	517.00	0.15	0.01
Other General Industrial Equipment	2013	2013Other General Industrial Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	519.04	0.15	0.01
Other General Industrial Equipment	2013	2013Other General Industrial Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	520.55	0.15	0.01
Other General Industrial Equipment	2013	2013Other General Industrial Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	520.22	0.15	0.01
Other General Industrial Equipment	2013	2013Other General Industrial Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.00	520.81	0.15	0.01
Other General Industrial Equipment	2013	2013Other General Industrial Equipment1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	519.26	0.15	0.01
Other General Industrial Equipment	2014	2014Other General Industrial Equipment15	15	1.52	5.58	6.29	0.54	0.50	0.01	575.87	0.17	0.01
Other General Industrial Equipment	2014	2014Other General Industrial Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	575.87	0.17	0.01
Other General Industrial Equipment	2014	2014Other General Industrial Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	575.87	0.17	0.01
Other General Industrial Equipment	2014	2014Other General Industrial Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	514.39	0.15	0.01
Other General Industrial Equipment	2014	2014Other General Industrial Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	516.41	0.15	0.01
Other General Industrial Equipment	2014	2014Other General Industrial Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	517.92	0.15	0.01
Other General Industrial Equipment	2014	2014Other General Industrial Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	517.59	0.15	0.01
Other General Industrial Equipment	2014	2014Other General Industrial Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.00	518.18	0.15	0.01
Other General Industrial Equipment	2014	2014Other General Industrial Equipment1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	516.64	0.15	0.01
Other General Industrial Equipment	2015	2015Other General Industrial Equipment15	15	1.50	5.52	6.32	0.53	0.49	0.01	570.02	0.17	0.01
Other General Industrial Equipment	2015	2015Other General Industrial Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	570.02	0.17	0.01
Other General Industrial Equipment	2015	2015Other General Industrial Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	570.02	0.17	0.01
Other General Industrial Equipment	2015	2015Other General Industrial Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	509.17	0.15	0.01
Other General Industrial Equipment	2015	2015Other General Industrial Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	511.17	0.15	0.01
Other General Industrial Equipment	2015	2015Other General Industrial Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	512.66	0.15	0.01
Other General Industrial Equipment	2015	2015Other General Industrial Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	512.34	0.15	0.01
Other General Industrial Equipment	2015	2015Other General Industrial Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.00	512.92	0.15	0.01
Other General Industrial Equipment	2015	2015Other General Industrial Equipment1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	511.39	0.15	0.01
Other General Industrial Equipment	2016	2016Other General Industrial Equipment15	15	1.42	5.41	6.26	0.51	0.47	0.01	564.18	0.17	0.01
Other General Industrial Equipment	2016	2016Other General Industrial Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	564.18	0.17	0.01
Other General Industrial Equipment	2016	2016Other General Industrial Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	564.18	0.17	0.01
Other General Industrial Equipment	2016	2016Other General Industrial Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	503.94	0.15	0.01
Other General Industrial Equipment	2016	2016Other General Industrial Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	505.93	0.15	0.01
Other General Industrial Equipment	2016	2016Other General Industrial Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	507.40	0.15	0.01
Other General Industrial Equipment	2016	2016Other General Industrial Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	507.08	0.15	0.01
Other General Industrial Equipment	2016	2016Other General Industrial Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.00	507.66	0.15	0.01
Other General Industrial Equipment	2016	2016Other General Industrial Equipment1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	506.15	0.15	0.01
Other General Industrial Equipment	2017	2017Other General Industrial Equipment15	15	1.35	5.28	6.18	0.48	0.44	0.01	555.41	0.17	0.01
Other General Industrial Equipment	2017	2017Other General Industrial Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	555.41	0.17	0.01
Other General Industrial Equipment	2017	2017Other General Industrial Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	555.41	0.17	0.01
Other General Industrial Equipment	2017	2017Other General Industrial Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	496.11	0.15	0.01
Other General Industrial Equipment	2017	2017Other General Industrial Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	498.06	0.15	0.01
Other General Industrial Equipment	2017	2017Other General Industrial Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	499.51	0.15	0.01
Other General Industrial Equipment	2017	2017Other General Industrial Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	499.20	0.15	0.01
Other General Industrial Equipment	2017	2017Other General Industrial Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.00	499.77	0.15	0.01
Other General Industrial Equipment	2017	2017Other General Industrial Equipment1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	498.28	0.15	0.01
Other General Industrial Equipment	2018	2018Other General Industrial Equipment15	15	1.15	4.98	5.83	0.41	0.38	0.01	546.64	0.17	0.01
Other General Industrial Equipment	2018	2018Other General Industrial Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	546.64	0.17	0.01
Other General Industrial Equipment	2018	2018Other General Industrial Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	546.64	0.17	0.01
Other General Industrial Equipment	2018	2018Other General Industrial Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	488.28	0.15	0.01
Other General Industrial Equipment	2018	2018Other General Industrial Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	490.20	0.15	0.01
Other General Industrial Equipment	2018	2018Other General Industrial Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	491.63	0.15	0.01
Other General Industrial Equipment	2018	2018Other General Industrial Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	491.32	0.15	0.01
Other General Industrial Equipment	2018	2018Other General Industrial Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.00	491.88	0.15	0.01
Other General Industrial Equipment	2018	2018Other General Industrial Equipment1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	490.41	0.15	0.01
Other General Industrial Equipment	2019	2019Other General Industrial Equipment15	15	1.04	4.81	5.66	0.37	0.34	0.01	537.87	0.17	0.01
Other General Industrial Equipment	2019	2019Other General Industrial Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	537.87	0.17	0.01
Other General Industrial Equipment	2019	2019Other General Industrial Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	537.87	0.17	0.01
Other General Industrial Equipment	2019	2019Other General Industrial Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	480.44	0.15	0.01
Other General Industrial Equipment	2019	2019Other General Industrial Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	482.34	0.15	0.01
Other General Industrial Equipment	2019	2019Other General Industrial Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	483.74	0.15	0.01
Other General Industrial Equipment	2019	2019Other General Industrial Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	483.44	0.15	0.01
Other General Industrial Equipment	2019	2019Other General Industrial Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.00	483.99	0.15	0.01
Other General Industrial Equipment	2019	2019Other General Industrial Equipment1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	482.54	0.15	0.01
Other General Industrial Equipment	2020	2020Other General Industrial Equipment15	15	0.95	4.62	5.50	0.33	0.31	0.01	526.18	0.17	0.01
Other General Industrial Equipment	2020	2020Other General Industrial Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	526.18	0.17	0.01
Other General Industrial Equipment	2020	2020Other General Industrial Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	526.18	0.17	0.01
Other General Industrial Equipment	2020	2020Other General Industrial Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	470.00	0.15	0.01
Other General Industrial Equipment	2020	2020Other General Industrial Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	471.85	0.15	0.01
Other General Industrial Equipment	2020	2020Other General Industrial Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	473.22	0.15	0.01
Other General Industrial Equipment	2020	2020Other General Industrial Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	472.93	0.15	0.01
Other General Industrial Equipment	2020	2020Other General Industrial Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.00	473.46	0.15	0.01
Other General Industrial Equipment	2020	2020Other General Industrial Equipment1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	472.05	0.15	0.01
Other General Industrial Equipment	2021	2021Other General Industrial Equipment15	15	0.83	4.43	5.31	0.29	0.27	0.01	526.18	0.17	0.01
Other General Industrial Equipment	2021	2021Other General Industrial Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	526.18	0.17	0.01
Other General Industrial Equipment	2021	2021Other General Industrial Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	526.18	0.17	0.01
Other General Industrial Equipment	2021	2021Other General Industrial Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	470.00	0.15	0.01
Other General Industrial Equipment	2021	2021Other General Industrial Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	471.85	0.15	0.01
Other General Industrial Equipment	2021	2021Other General Industrial Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	473.22	0.15	0.01
Other General Industrial Equipment	2021	2021Other General Industrial Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	472.93	0.15	0.01
Other General Industrial Equipment	2021	2021Other General Industrial Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.00	473.46	0.15	0.01
Other General Industrial Equipment	2021	2021Other General Industrial Equipment1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	472.05	0.15	0.01
Other General Industrial Equipment	2022	2022Other General Industrial Equipment15	15	0.70	4.20	5.08	0.24	0.22	0.01	526.18	0.17	0.01
Other General Industrial Equipment	2022	2022Other General Industrial Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	526.18	0.17	0.01
Other General Industrial Equipment	2022	2022Other General Industrial Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	526.18	0.17	0.01
Other General Industrial Equipment	2022	2022Other General Industrial Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	470.00	0.15	0.01
Other General Industrial Equipment	2022	2022Other General Industrial Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	471.85	0.15	0.01
Other General Industrial Equipment	2022	2022Other General Industrial Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	473.22	0.15	0.01
Other General Industrial Equipment	2022	2022Other General Industrial Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	472.93	0.15	0.01
Other General Industrial Equipment	2022	2022Other General Industrial Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.00	473.46	0.15	0.01
Other General Industrial Equipment	2022	2022Other General Industrial Equipment1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	472.05	0.15	0.01
Other General Industrial Equipment	2023	2023Other General Industrial Equipment15	15	0.60	3.99	4.88	0.19	0.18	0.01	526.18	0.17	0.01
Other General Industrial Equipment	2023	2023Other General Industrial Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	526.18	0.17	0.01
Other General Industrial Equipment	2023	2023Other General Industrial Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	526.18	0.17	0.01
Other General Industrial Equipment	2023	2023Other General Industrial Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	470.00	0.15	0.01
Other General Industrial Equipment	2023	2023Other General Industrial Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	471.85	0.15	0.01
Other General Industrial Equipment	2023	2023Other General Industrial Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	473.22	0.15	0.01
Other General Industrial Equipment	2023	2023Other General Industrial Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	472.93	0.15	0.01
Other General Industrial Equipment	2023	2023Other General Industrial Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.00	473.46	0.15	0.01
Other General Industrial Equipment	2023	2023Other General Industrial Equipment1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	472.05	0.15	0.01
Other General Industrial Equipment	2024	2024Other General Industrial Equipment15	15	0.55	3.86	4.78	0.17	0.15	0.01	526.18	0.17	0.01
Other General Industrial Equipment	2024	2024Other General Industrial Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	526.18	0.17	0.01
Other General Industrial Equipment	2024	2024Other General Industrial Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	526.18	0.17	0.01
Other General Industrial Equipment	2024	2024Other General Industrial Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	470.00	0.15	0.01
Other General Industrial Equipment	2024	2024Other General Industrial Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	471.85	0.15	0.01
Other General Industrial Equipment	2024	2024Other General Industrial Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	473.22	0.15	0.01
Other General Industrial Equipment	2024	2024Other General Industrial Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	472.93	0.15	0.01
Other General Industrial Equipment	2024	2024Other General Industrial Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.00	473.46	0.15	0.01
Other General Industrial Equipment	2024	2024Other General Industrial Equipment1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	472.05	0.15	0.01
Other General Industrial Equipment	2025	2025Other General Industrial Equipment15	15	0.49	3.72	4.68	0.14	0.13	0.01	526.18	0.17	0.01
Other General Industrial Equipment	2025	2025Other General Industrial Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	526.18	0.17	0.01
Other General Industrial Equipment	2025	2025Other General Industrial Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	526.18	0.17	0.01
Other General Industrial Equipment	2025	2025Other General Industrial Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	470.00	0.15	0.01
Other General Industrial Equipment	2025	2025Other General Industrial Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	471.85	0.15	0.01
Other General Industrial Equipment	2025	2025Other General Industrial Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	473.22	0.15	0.01
Other General Industrial Equipment	2025	2025Other General Industrial Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	472.93	0.15	0.01
Other General Industrial Equipment	2025	2025Other General Industrial Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.00	473.46	0.15	0.01
Other General Industrial Equipment	2025	2025Other General Industrial Equipment1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	472.05	0.15	0.01
Other General Industrial Equipment	2030	2030Other General Industrial Equipment15	15	0.59	4.14	3.47	0.16	0.16	0.01	568.30	0.05	0.01
Other General Industrial Equipment	2030	2030Other General Industrial Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Other General Industrial Equipment	2030	2030Other General Industrial Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Other General Industrial Equipment	2030	2030Other General Industrial Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Other General Industrial Equipment	2030	2030Other General Industrial Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Other General Industrial Equipment	2030	2030Other General Industrial Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Other General Industrial Equipment	2030	2030Other General Industrial Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Other General Industrial Equipment	2030	2030Other General Industrial Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01

Other General Industrial Equipment	2030	2030Other General Industrial Equipment1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.02	0.01
Other General Industrial Equipment	2035	2035Other General Industrial Equipment15	15	0.59	4.14	3.47	0.16	0.16	0.01	568.30	0.05	0.01
Other General Industrial Equipment	2035	2035Other General Industrial Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Other General Industrial Equipment	2035	2035Other General Industrial Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Other General Industrial Equipment	2035	2035Other General Industrial Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Other General Industrial Equipment	2035	2035Other General Industrial Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Other General Industrial Equipment	2035	2035Other General Industrial Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Other General Industrial Equipment	2035	2035Other General Industrial Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Other General Industrial Equipment	2035	2035Other General Industrial Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Other General Industrial Equipment	2035	2035Other General Industrial Equipment1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.02	0.01
Other General Industrial Equipment	2040	2040Other General Industrial Equipment15	15	0.59	4.14	3.47	0.16	0.16	0.01	568.30	0.05	0.01
Other General Industrial Equipment	2040	2040Other General Industrial Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Other General Industrial Equipment	2040	2040Other General Industrial Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Other General Industrial Equipment	2040	2040Other General Industrial Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Other General Industrial Equipment	2040	2040Other General Industrial Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Other General Industrial Equipment	2040	2040Other General Industrial Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Other General Industrial Equipment	2040	2040Other General Industrial Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Other General Industrial Equipment	2040	2040Other General Industrial Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Other General Industrial Equipment	2040	2040Other General Industrial Equipment1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.02	0.01
Other Material Handling Equipment	1990	1990Other Material Handling Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.69	568.30	0.43	0.01
Other Material Handling Equipment	1990	1990Other Material Handling Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.63	568.30	0.21	0.01
Other Material Handling Equipment	1990	1990Other Material Handling Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.60	568.30	0.14	0.01
Other Material Handling Equipment	1990	1990Other Material Handling Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.60	568.30	0.14	0.01
Other Material Handling Equipment	1990	1990Other Material Handling Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.53	568.30	0.13	0.01
Other Material Handling Equipment	1990	1990Other Material Handling Equipment9999	9999	1.41	12.70	11.05	0.74	0.74	0.53	568.30	0.13	0.01
Other Material Handling Equipment	2000	2000Other Material Handling Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.40	0.01
Other Material Handling Equipment	2000	2000Other Material Handling Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.17	0.01
Other Material Handling Equipment	2000	2000Other Material Handling Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.11	0.01
Other Material Handling Equipment	2000	2000Other Material Handling Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.09	0.01
Other Material Handling Equipment	2000	2000Other Material Handling Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.09	0.01
Other Material Handling Equipment	2000	2000Other Material Handling Equipment9999	9999	1.03	9.45	5.78	0.38	0.38	0.05	568.30	0.09	0.01
Other Material Handling Equipment	2005	2005Other Material Handling Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.37	0.01
Other Material Handling Equipment	2005	2005Other Material Handling Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.15	0.01
Other Material Handling Equipment	2005	2005Other Material Handling Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.10	0.01
Other Material Handling Equipment	2005	2005Other Material Handling Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.07	0.01
Other Material Handling Equipment	2005	2005Other Material Handling Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.06	0.01
Other Material Handling Equipment	2005	2005Other Material Handling Equipment9999	9999	0.80	8.29	3.27	0.28	0.28	0.05	568.30	0.07	0.01
Other Material Handling Equipment	2010	2010Other Material Handling Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	581.90	0.17	0.01
Other Material Handling Equipment	2010	2010Other Material Handling Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	526.21	0.15	0.01
Other Material Handling Equipment	2010	2010Other Material Handling Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	524.69	0.15	0.01
Other Material Handling Equipment	2010	2010Other Material Handling Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	523.87	0.15	0.01
Other Material Handling Equipment	2010	2010Other Material Handling Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	522.55	0.15	0.01
Other Material Handling Equipment	2010	2010Other Material Handling Equipment9999	9999	0.16	4.31	0.97	0.10	0.09	0.00	524.51	0.15	0.01
Other Material Handling Equipment	2011	2011Other Material Handling Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	580.44	0.17	0.01
Other Material Handling Equipment	2011	2011Other Material Handling Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	524.89	0.15	0.01
Other Material Handling Equipment	2011	2011Other Material Handling Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	523.38	0.15	0.01
Other Material Handling Equipment	2011	2011Other Material Handling Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	522.56	0.15	0.01
Other Material Handling Equipment	2011	2011Other Material Handling Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	521.25	0.15	0.01
Other Material Handling Equipment	2011	2011Other Material Handling Equipment9999	9999	0.18	4.36	0.98	0.10	0.09	0.00	523.19	0.15	0.01
Other Material Handling Equipment	2012	2012Other Material Handling Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	578.99	0.17	0.01
Other Material Handling Equipment	2012	2012Other Material Handling Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	523.58	0.15	0.01
Other Material Handling Equipment	2012	2012Other Material Handling Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	522.06	0.15	0.01
Other Material Handling Equipment	2012	2012Other Material Handling Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	521.25	0.15	0.01
Other Material Handling Equipment	2012	2012Other Material Handling Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	519.94	0.15	0.01
Other Material Handling Equipment	2012	2012Other Material Handling Equipment9999	9999	0.19	4.40	0.99	0.11	0.10	0.00	521.88	0.15	0.01
Other Material Handling Equipment	2013	2013Other Material Handling Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	576.08	0.17	0.01
Other Material Handling Equipment	2013	2013Other Material Handling Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	520.95	0.15	0.01
Other Material Handling Equipment	2013	2013Other Material Handling Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	519.44	0.15	0.01
Other Material Handling Equipment	2013	2013Other Material Handling Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	518.63	0.15	0.01
Other Material Handling Equipment	2013	2013Other Material Handling Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	517.33	0.15	0.01
Other Material Handling Equipment	2013	2013Other Material Handling Equipment9999	9999	0.20	4.44	1.00	0.11	0.10	0.00	519.26	0.15	0.01
Other Material Handling Equipment	2014	2014Other Material Handling Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	573.17	0.17	0.01
Other Material Handling Equipment	2014	2014Other Material Handling Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	518.32	0.15	0.01
Other Material Handling Equipment	2014	2014Other Material Handling Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	516.82	0.15	0.01
Other Material Handling Equipment	2014	2014Other Material Handling Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	516.01	0.15	0.01
Other Material Handling Equipment	2014	2014Other Material Handling Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	514.71	0.15	0.01
Other Material Handling Equipment	2014	2014Other Material Handling Equipment9999	9999	0.14	3.44	0.98	0.07	0.06	0.00	516.64	0.15	0.01
Other Material Handling Equipment	2015	2015Other Material Handling Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	567.35	0.17	0.01
Other Material Handling Equipment	2015	2015Other Material Handling Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	513.05	0.15	0.01
Other Material Handling Equipment	2015	2015Other Material Handling Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	511.57	0.15	0.01
Other Material Handling Equipment	2015	2015Other Material Handling Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	510.77	0.15	0.01
Other Material Handling Equipment	2015	2015Other Material Handling Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	509.49	0.15	0.01
Other Material Handling Equipment	2015	2015Other Material Handling Equipment9999	9999	0.15	3.46	0.98	0.07	0.06	0.00	511.39	0.15	0.01
Other Material Handling Equipment	2016	2016Other Material Handling Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	561.53	0.17	0.01
Other Material Handling Equipment	2016	2016Other Material Handling Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	507.79	0.15	0.01
Other Material Handling Equipment	2016	2016Other Material Handling Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	506.32	0.15	0.01
Other Material Handling Equipment	2016	2016Other Material Handling Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	505.53	0.15	0.01
Other Material Handling Equipment	2016	2016Other Material Handling Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	504.26	0.15	0.01
Other Material Handling Equipment	2016	2016Other Material Handling Equipment9999	9999	0.16	3.49	1.00	0.07	0.06	0.00	506.15	0.15	0.01
Other Material Handling Equipment	2017	2017Other Material Handling Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	552.80	0.17	0.01
Other Material Handling Equipment	2017	2017Other Material Handling Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	499.90	0.15	0.01
Other Material Handling Equipment	2017	2017Other Material Handling Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	498.45	0.15	0.01
Other Material Handling Equipment	2017	2017Other Material Handling Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	497.68	0.15	0.01
Other Material Handling Equipment	2017	2017Other Material Handling Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	496.42	0.15	0.01
Other Material Handling Equipment	2017	2017Other Material Handling Equipment9999	9999	0.17	3.52	1.01	0.07	0.07	0.00	498.28	0.15	0.01
Other Material Handling Equipment	2018	2018Other Material Handling Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	544.08	0.17	0.01
Other Material Handling Equipment	2018	2018Other Material Handling Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	492.01	0.15	0.01
Other Material Handling Equipment	2018	2018Other Material Handling Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	490.58	0.15	0.01
Other Material Handling Equipment	2018	2018Other Material Handling Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	489.82	0.15	0.01
Other Material Handling Equipment	2018	2018Other Material Handling Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	488.59	0.15	0.01
Other Material Handling Equipment	2018	2018Other Material Handling Equipment9999	9999	0.18	3.55	1.02	0.07	0.07	0.00	490.41	0.15	0.01
Other Material Handling Equipment	2019	2019Other Material Handling Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	535.35	0.17	0.01
Other Material Handling Equipment	2019	2019Other Material Handling Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	484.11	0.15	0.01
Other Material Handling Equipment	2019	2019Other Material Handling Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	482.71	0.15	0.01
Other Material Handling Equipment	2019	2019Other Material Handling Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	481.96	0.15	0.01
Other Material Handling Equipment	2019	2019Other Material Handling Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	480.75	0.15	0.01
Other Material Handling Equipment	2019	2019Other Material Handling Equipment9999	9999	0.19	3.58	1.04	0.08	0.07	0.00	482.54	0.15	0.01
Other Material Handling Equipment	2020	2020Other Material Handling Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	523.71	0.17	0.01
Other Material Handling Equipment	2020	2020Other Material Handling Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	473.59	0.15	0.01
Other Material Handling Equipment	2020	2020Other Material Handling Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	472.22	0.15	0.01
Other Material Handling Equipment	2020	2020Other Material Handling Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	471.48	0.15	0.01
Other Material Handling Equipment	2020	2020Other Material Handling Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	470.30	0.15	0.01
Other Material Handling Equipment	2020	2020Other Material Handling Equipment9999	9999	0.20	3.61	1.05	0.08	0.07	0.00	472.05	0.15	0.01
Other Material Handling Equipment	2021	2021Other Material Handling Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	523.71	0.17	0.01
Other Material Handling Equipment	2021	2021Other Material Handling Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	473.59	0.15	0.01
Other Material Handling Equipment	2021	2021Other Material Handling Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	472.22	0.15	0.01
Other Material Handling Equipment	2021	2021Other Material Handling Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	471.48	0.15	0.01
Other Material Handling Equipment	2021	2021Other Material Handling Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	470.30	0.15	0.01
Other Material Handling Equipment	2021	2021Other Material Handling Equipment9999	9999	0.07	2.32	0.97	0.02	0.02	0.00	472.05	0.15	0.01
Other Material Handling Equipment	2022	2022Other Material Handling Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	523.71	0.17	0.01
Other Material Handling Equipment	2022	2022Other Material Handling Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	473.59	0.15	0.01
Other Material Handling Equipment	2022	2022Other Material Handling Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	472.22	0.15	0.01
Other Material Handling Equipment	2022	2022Other Material Handling Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	471.48	0.15	0.01
Other Material Handling Equipment	2022	2022Other Material Handling Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	470.30	0.15	0.01
Other Material Handling Equipment	2022	2022Other Material Handling Equipment9999	9999	0.08	2.33	0.98	0.02	0.02	0.00	472.05	0.15	0.01
Other Material Handling Equipment	2023	2023Other Material Handling Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	523.71	0.17	0.01
Other Material Handling Equipment	2023	2023Other Material Handling Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	473.59	0.15	0.01
Other Material Handling Equipment	2023	2023Other Material Handling Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	472.22	0.15	0.01
Other Material Handling Equipment	2023	2023Other Material Handling Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	471.48	0.15	0.01
Other Material Handling Equipment	2023	2023Other Material Handling Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	470.30	0.15	0.01
Other Material Handling Equipment	2023	2023Other Material Handling Equipment9999	9999	0.05	2.27	0.94	0.02	0.02	0.00	472.05	0.15	0.01
Other Material Handling Equipment	2024	2024Other Material Handling Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	523.71	0.17	0.01
Other Material Handling Equipment	2024	2024Other Material Handling Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	473.59	0.15	0.01
Other Material Handling Equipment	2024	2024Other Material Handling Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	472.22	0.15	0.01
Other Material Handling Equipment	2024	2024Other Material Handling Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	471.48	0.15	0.01
Other Material Handling Equipment	2024	2024Other Material Handling Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	470.30	0.15	0.01
Other Material Handling Equipment	2024	2024Other Material Handling Equipment9999	9999	0.06	2.28	0.95	0.02	0.02	0.00	472.05	0.15	0.01
Other Material Handling Equipment	2025	2025Other Material Handling Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	523.71	0.17	0.01
Other Material Handling Equipment	2025	2025Other Material Handling Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	473.59	0.15	0.01
Other Material Handling Equipment	2025	2025Other Material Handling Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	472.22	0.15	0.01
Other Material Handling Equipment	2025	2025Other Material Handling Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	471.48	0.15	0.01
Other Material Handling Equipment	2025	2025Other Material Handling Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	470.30	0.15	0.01
Other Material Handling Equipment	2025	2025Other Material Handling Equipment9999	9999	0.07	2.30	0.96	0.02	0.02	0.00	472.05	0.15	0.01
Other Material Handling Equipment	2030	2030Other Material Handling Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Other Material Handling Equipment	2030	2030Other Material Handling Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Other Material Handling Equipment	2030	2030Other Material Handling Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Other Material Handling Equipment	2030	2030Other Material Handling Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Other Material Handling Equipment	2030	2030Other Material Handling Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Other Material Handling Equipment	2030	2030Other Material Handling Equipment9999	9999	0.22	2.65	1.08	0.04	0.04	0.01	568.30	0.02	0.01
Other Material Handling Equipment	2035	2035Other Material Handling Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Other Material Handling Equipment	2035	2035Other Material Handling Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Other Material Handling Equipment	2035	2035Other Material Handling Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01

Other Material Handling Equipment	2035	2035Other Material Handling Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Other Material Handling Equipment	2035	2035Other Material Handling Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Other Material Handling Equipment	2035	2035Other Material Handling Equipment9999	9999	0.20	2.53	1.08	0.03	0.03	0.01	568.30	0.02	0.01
Other Material Handling Equipment	2040	2040Other Material Handling Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Other Material Handling Equipment	2040	2040Other Material Handling Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Other Material Handling Equipment	2040	2040Other Material Handling Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Other Material Handling Equipment	2040	2040Other Material Handling Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Other Material Handling Equipment	2040	2040Other Material Handling Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Other Material Handling Equipment	2040	2040Other Material Handling Equipment9999	9999	0.19	2.49	1.08	0.03	0.03	0.01	568.30	0.02	0.01
Pavers	1990	1990Pavers25	25	0.12	2.75	4.10	0.01	0.01	0.86	568.30	0.20	0.01
Pavers	1990	1990Pavers50	50	0.12	2.74	3.70	0.01	0.01	0.87	568.30	0.43	0.01
Pavers	1990	1990Pavers120	120	0.06	0.26	3.70	0.01	0.01	0.79	568.30	0.21	0.01
Pavers	1990	1990Pavers175	175	0.06	0.26	2.20	0.01	0.01	0.76	568.30	0.16	0.01
Pavers	1990	1990Pavers250	250	0.06	0.26	2.20	0.01	0.01	0.76	568.30	0.16	0.01
Pavers	1990	1990Pavers500	500	0.06	0.26	2.20	0.01	0.01	0.66	568.30	0.15	0.01
Pavers	2000	2000Pavers25	25	0.12	2.75	4.10	0.01	0.01	0.07	568.30	0.18	0.01
Pavers	2000	2000Pavers50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.40	0.01
Pavers	2000	2000Pavers120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.18	0.01
Pavers	2000	2000Pavers175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.12	0.01
Pavers	2000	2000Pavers250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.11	0.01
Pavers	2000	2000Pavers500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.10	0.01
Pavers	2005	2005Pavers25	25	0.12	2.75	4.10	0.01	0.01	0.07	568.30	0.13	0.01
Pavers	2005	2005Pavers50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.37	0.01
Pavers	2005	2005Pavers120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.16	0.01
Pavers	2005	2005Pavers175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.10	0.01
Pavers	2005	2005Pavers250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.08	0.01
Pavers	2005	2005Pavers500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.07	0.01
Pavers	2010	2010Pavers25	25	0.12	2.75	4.10	0.01	0.01	0.01	585.40	0.17	0.01
Pavers	2010	2010Pavers50	50	0.12	2.74	3.70	0.01	0.01	0.01	585.40	0.17	0.01
Pavers	2010	2010Pavers120	120	0.06	0.26	3.70	0.01	0.01	0.00	521.26	0.15	0.01
Pavers	2010	2010Pavers175	175	0.06	0.26	2.20	0.01	0.01	0.00	525.32	0.15	0.01
Pavers	2010	2010Pavers250	250	0.06	0.26	2.20	0.01	0.01	0.00	526.85	0.15	0.01
Pavers	2010	2010Pavers500	500	0.06	0.26	2.20	0.01	0.01	0.00	517.88	0.15	0.01
Pavers	2011	2011Pavers25	25	0.12	2.75	4.10	0.01	0.01	0.01	583.89	0.17	0.01
Pavers	2011	2011Pavers50	50	0.12	2.74	3.70	0.01	0.01	0.01	583.89	0.17	0.01
Pavers	2011	2011Pavers120	120	0.06	0.26	3.70	0.01	0.01	0.00	519.74	0.15	0.01
Pavers	2011	2011Pavers175	175	0.06	0.26	2.20	0.01	0.01	0.00	524.09	0.15	0.01
Pavers	2011	2011Pavers250	250	0.06	0.26	2.20	0.01	0.01	0.00	525.53	0.15	0.01
Pavers	2011	2011Pavers500	500	0.06	0.26	2.20	0.01	0.01	0.00	516.58	0.15	0.01
Pavers	2012	2012Pavers25	25	0.12	2.75	4.10	0.01	0.01	0.01	582.58	0.17	0.01
Pavers	2012	2012Pavers50	50	0.12	2.74	3.70	0.01	0.01	0.01	582.58	0.17	0.01
Pavers	2012	2012Pavers120	120	0.06	0.26	3.70	0.01	0.01	0.00	518.36	0.15	0.01
Pavers	2012	2012Pavers175	175	0.06	0.26	2.20	0.01	0.01	0.00	522.83	0.15	0.01
Pavers	2012	2012Pavers250	250	0.06	0.26	2.20	0.01	0.01	0.00	524.22	0.15	0.01
Pavers	2012	2012Pavers500	500	0.06	0.26	2.20	0.01	0.01	0.00	515.29	0.15	0.01
Pavers	2013	2013Pavers25	25	0.12	2.75	4.10	0.01	0.01	0.01	580.21	0.17	0.01
Pavers	2013	2013Pavers50	50	0.12	2.74	3.70	0.01	0.01	0.01	580.21	0.17	0.01
Pavers	2013	2013Pavers120	120	0.06	0.26	3.70	0.01	0.01	0.00	516.60	0.15	0.01
Pavers	2013	2013Pavers175	175	0.06	0.26	2.20	0.01	0.01	0.00	519.68	0.15	0.01
Pavers	2013	2013Pavers250	250	0.06	0.26	2.20	0.01	0.01	0.00	521.53	0.15	0.01
Pavers	2013	2013Pavers500	500	0.06	0.26	2.20	0.01	0.01	0.00	514.23	0.15	0.01
Pavers	2014	2014Pavers25	25	0.12	2.75	4.10	0.01	0.01	0.01	577.02	0.17	0.01
Pavers	2014	2014Pavers50	50	0.12	2.74	3.70	0.01	0.01	0.01	577.02	0.17	0.01
Pavers	2014	2014Pavers120	120	0.06	0.26	3.70	0.01	0.01	0.00	514.38	0.15	0.01
Pavers	2014	2014Pavers175	175	0.06	0.26	2.20	0.01	0.01	0.00	516.75	0.15	0.01
Pavers	2014	2014Pavers250	250	0.06	0.26	2.20	0.01	0.01	0.00	518.72	0.15	0.01
Pavers	2014	2014Pavers500	500	0.06	0.26	2.20	0.01	0.01	0.00	512.19	0.15	0.01
Pavers	2015	2015Pavers25	25	0.12	2.75	4.10	0.01	0.01	0.01	571.09	0.17	0.01
Pavers	2015	2015Pavers50	50	0.12	2.74	3.70	0.01	0.01	0.01	571.09	0.17	0.01
Pavers	2015	2015Pavers120	120	0.06	0.26	3.70	0.01	0.01	0.00	509.38	0.15	0.01
Pavers	2015	2015Pavers175	175	0.06	0.26	2.20	0.01	0.01	0.00	511.65	0.15	0.01
Pavers	2015	2015Pavers250	250	0.06	0.26	2.20	0.01	0.01	0.00	513.47	0.15	0.01
Pavers	2015	2015Pavers500	500	0.06	0.26	2.20	0.01	0.01	0.00	506.10	0.15	0.01
Pavers	2016	2016Pavers25	25	0.12	2.75	4.10	0.01	0.01	0.01	565.23	0.17	0.01
Pavers	2016	2016Pavers50	50	0.12	2.74	3.70	0.01	0.01	0.01	565.23	0.17	0.01
Pavers	2016	2016Pavers120	120	0.06	0.26	3.70	0.01	0.01	0.00	503.78	0.15	0.01
Pavers	2016	2016Pavers175	175	0.06	0.26	2.20	0.01	0.01	0.00	506.54	0.15	0.01
Pavers	2016	2016Pavers250	250	0.06	0.26	2.20	0.01	0.01	0.00	508.07	0.15	0.01
Pavers	2016	2016Pavers500	500	0.06	0.26	2.20	0.01	0.01	0.00	500.94	0.15	0.01
Pavers	2017	2017Pavers25	25	0.12	2.75	4.10	0.01	0.01	0.01	556.45	0.17	0.01
Pavers	2017	2017Pavers50	50	0.12	2.74	3.70	0.01	0.01	0.01	556.45	0.17	0.01
Pavers	2017	2017Pavers120	120	0.06	0.26	3.70	0.01	0.01	0.00	495.93	0.15	0.01
Pavers	2017	2017Pavers175	175	0.06	0.26	2.20	0.01	0.01	0.00	498.97	0.15	0.01
Pavers	2017	2017Pavers250	250	0.06	0.26	2.20	0.01	0.01	0.00	499.56	0.15	0.01
Pavers	2017	2017Pavers500	500	0.06	0.26	2.20	0.01	0.01	0.00	491.78	0.15	0.01
Pavers	2018	2018Pavers25	25	0.12	2.75	4.10	0.01	0.01	0.01	547.08	0.17	0.01
Pavers	2018	2018Pavers50	50	0.12	2.74	3.70	0.01	0.01	0.01	547.08	0.17	0.01
Pavers	2018	2018Pavers120	120	0.06	0.26	3.70	0.01	0.01	0.00	488.18	0.15	0.01
Pavers	2018	2018Pavers175	175	0.06	0.26	2.20	0.01	0.01	0.00	491.32	0.15	0.01
Pavers	2018	2018Pavers250	250	0.06	0.26	2.20	0.01	0.01	0.00	491.54	0.15	0.01
Pavers	2018	2018Pavers500	500	0.06	0.26	2.20	0.01	0.01	0.00	484.28	0.15	0.01
Pavers	2019	2019Pavers25	25	0.12	2.75	4.10	0.01	0.01	0.01	538.32	0.17	0.01
Pavers	2019	2019Pavers50	50	0.12	2.74	3.70	0.01	0.01	0.01	538.32	0.17	0.01
Pavers	2019	2019Pavers120	120	0.06	0.26	3.70	0.01	0.01	0.00	480.25	0.15	0.01
Pavers	2019	2019Pavers175	175	0.06	0.26	2.20	0.01	0.01	0.00	483.39	0.15	0.01
Pavers	2019	2019Pavers250	250	0.06	0.26	2.20	0.01	0.01	0.00	483.57	0.15	0.01
Pavers	2019	2019Pavers500	500	0.06	0.26	2.20	0.01	0.01	0.00	476.97	0.15	0.01
Pavers	2020	2020Pavers25	25	0.12	2.75	4.10	0.01	0.01	0.01	526.21	0.17	0.01
Pavers	2020	2020Pavers50	50	0.12	2.74	3.70	0.01	0.01	0.01	526.21	0.17	0.01
Pavers	2020	2020Pavers120	120	0.06	0.26	3.70	0.01	0.01	0.00	469.88	0.15	0.01
Pavers	2020	2020Pavers175	175	0.06	0.26	2.20	0.01	0.01	0.00	472.77	0.15	0.01
Pavers	2020	2020Pavers250	250	0.06	0.26	2.20	0.01	0.01	0.00	472.83	0.15	0.01
Pavers	2020	2020Pavers500	500	0.06	0.26	2.20	0.01	0.01	0.00	466.21	0.15	0.01
Pavers	2021	2021Pavers25	25	0.12	2.75	4.10	0.01	0.01	0.01	526.52	0.17	0.01
Pavers	2021	2021Pavers50	50	0.12	2.74	3.70	0.01	0.01	0.01	526.52	0.17	0.01
Pavers	2021	2021Pavers120	120	0.06	0.26	3.70	0.01	0.01	0.00	469.77	0.15	0.01
Pavers	2021	2021Pavers175	175	0.06	0.26	2.20	0.01	0.01	0.00	472.56	0.15	0.01
Pavers	2021	2021Pavers250	250	0.06	0.26	2.20	0.01	0.01	0.00	472.48	0.15	0.01
Pavers	2021	2021Pavers500	500	0.06	0.26	2.20	0.01	0.01	0.00	465.59	0.15	0.01
Pavers	2022	2022Pavers25	25	0.12	2.75	4.10	0.01	0.01	0.01	526.90	0.17	0.01
Pavers	2022	2022Pavers50	50	0.12	2.74	3.70	0.01	0.01	0.01	526.90	0.17	0.01
Pavers	2022	2022Pavers120	120	0.06	0.26	3.70	0.01	0.01	0.00	470.19	0.15	0.01
Pavers	2022	2022Pavers175	175	0.06	0.26	2.20	0.01	0.01	0.00	472.76	0.15	0.01
Pavers	2022	2022Pavers250	250	0.06	0.26	2.20	0.01	0.01	0.00	472.37	0.15	0.01
Pavers	2022	2022Pavers500	500	0.06	0.26	2.20	0.01	0.01	0.00	466.00	0.15	0.01
Pavers	2023	2023Pavers25	25	0.12	2.75	4.10	0.01	0.01	0.01	526.86	0.17	0.01
Pavers	2023	2023Pavers50	50	0.12	2.74	3.70	0.01	0.01	0.01	526.86	0.17	0.01
Pavers	2023	2023Pavers120	120	0.06	0.26	3.70	0.01	0.01	0.00	470.08	0.15	0.01
Pavers	2023	2023Pavers175	175	0.06	0.26	2.20	0.01	0.01	0.00	472.72	0.15	0.01
Pavers	2023	2023Pavers250	250	0.06	0.26	2.20	0.01	0.01	0.00	472.61	0.15	0.01
Pavers	2023	2023Pavers500	500	0.06	0.26	2.20	0.01	0.01	0.00	466.00	0.15	0.01
Pavers	2024	2024Pavers25	25	0.12	2.75	4.10	0.01	0.01	0.01	526.86	0.17	0.01
Pavers	2024	2024Pavers50	50	0.12	2.74	3.70	0.01	0.01	0.01	526.86	0.17	0.01
Pavers	2024	2024Pavers120	120	0.06	0.26	3.70	0.01	0.01	0.00	470.23	0.15	0.01
Pavers	2024	2024Pavers175	175	0.06	0.26	2.20	0.01	0.01	0.00	472.66	0.15	0.01
Pavers	2024	2024Pavers250	250	0.06	0.26	2.20	0.01	0.01	0.00	473.24	0.15	0.01
Pavers	2024	2024Pavers500	500	0.06	0.26	2.20	0.01	0.01	0.00	467.17	0.15	0.01
Pavers	2025	2025Pavers25	25	0.12	2.75	4.10	0.01	0.01	0.01	526.85	0.17	0.01
Pavers	2025	2025Pavers50	50	0.12	2.74	3.70	0.01	0.01	0.01	526.85	0.17	0.01
Pavers	2025	2025Pavers120	120	0.06	0.26	3.70	0.01	0.01	0.00	469.90	0.15	0.01
Pavers	2025	2025Pavers175	175	0.06	0.26	2.20	0.01	0.01	0.00	472.49	0.15	0.01
Pavers	2025	2025Pavers250	250	0.06	0.26	2.20	0.01	0.01	0.00	473.48	0.15	0.01
Pavers	2025	2025Pavers500	500	0.06	0.26	2.20	0.01	0.01	0.00	465.88	0.15	0.01
Pavers	2030	2030Pavers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Pavers	2030	2030Pavers50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.08	0.01
Pavers	2030	2030Pavers120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Pavers	2030	2030Pavers175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Pavers	2030	2030Pavers250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pavers	2030	2030Pavers500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pavers	2035	2035Pavers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Pavers	2035	2035Pavers50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.06	0.01
Pavers	2035	2035Pavers120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Pavers	2035	2035Pavers175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pavers	2035	2035Pavers250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pavers	2035	2035Pavers500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pavers	2040	2040Pavers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Pavers	2040	2040Pavers50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.06	0.01
Pavers	2040	2040Pavers120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Pavers	2040	2040Pavers175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pavers	2040	2040Pavers250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pavers	2040	2040Pavers500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Paving Equipment	1990	1990Paving Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.86	568.30	0.20	0.01

Paving Equipment	1990	1990Paving Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.87	568.30	0.44	0.01
Paving Equipment	1990	1990Paving Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.79	568.30	0.22	0.01
Paving Equipment	1990	1990Paving Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.76	568.30	0.17	0.01
Paving Equipment	1990	1990Paving Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.76	568.30	0.17	0.01
Paving Equipment	2000	2000Paving Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.07	568.30	0.18	0.01
Paving Equipment	2000	2000Paving Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.40	0.01
Paving Equipment	2000	2000Paving Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.17	0.01
Paving Equipment	2000	2000Paving Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.12	0.01
Paving Equipment	2000	2000Paving Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.11	0.01
Paving Equipment	2005	2005Paving Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.07	568.30	0.08	0.01
Paving Equipment	2005	2005Paving Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.37	0.01
Paving Equipment	2005	2005Paving Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.16	0.01
Paving Equipment	2005	2005Paving Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.10	0.01
Paving Equipment	2005	2005Paving Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.08	0.01
Paving Equipment	2010	2010Paving Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	578.62	0.17	0.01
Paving Equipment	2010	2010Paving Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	578.62	0.17	0.01
Paving Equipment	2010	2010Paving Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	526.58	0.15	0.01
Paving Equipment	2010	2010Paving Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	523.41	0.15	0.01
Paving Equipment	2010	2010Paving Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	524.37	0.15	0.01
Paving Equipment	2011	2011Paving Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	577.13	0.17	0.01
Paving Equipment	2011	2011Paving Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	577.13	0.17	0.01
Paving Equipment	2011	2011Paving Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	524.93	0.15	0.01
Paving Equipment	2011	2011Paving Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	522.15	0.15	0.01
Paving Equipment	2011	2011Paving Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	523.03	0.15	0.01
Paving Equipment	2012	2012Paving Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	575.69	0.17	0.01
Paving Equipment	2012	2012Paving Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	575.69	0.17	0.01
Paving Equipment	2012	2012Paving Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	523.59	0.15	0.01
Paving Equipment	2012	2012Paving Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	520.73	0.15	0.01
Paving Equipment	2012	2012Paving Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	521.72	0.15	0.01
Paving Equipment	2013	2013Paving Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	572.46	0.17	0.01
Paving Equipment	2013	2013Paving Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	572.46	0.17	0.01
Paving Equipment	2013	2013Paving Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	520.67	0.15	0.01
Paving Equipment	2013	2013Paving Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	517.66	0.15	0.01
Paving Equipment	2013	2013Paving Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	519.52	0.15	0.01
Paving Equipment	2014	2014Paving Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	569.48	0.17	0.01
Paving Equipment	2014	2014Paving Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	569.48	0.17	0.01
Paving Equipment	2014	2014Paving Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	518.08	0.15	0.01
Paving Equipment	2014	2014Paving Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	515.03	0.15	0.01
Paving Equipment	2014	2014Paving Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	516.90	0.15	0.01
Paving Equipment	2015	2015Paving Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	563.55	0.17	0.01
Paving Equipment	2015	2015Paving Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	563.55	0.17	0.01
Paving Equipment	2015	2015Paving Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	513.17	0.15	0.01
Paving Equipment	2015	2015Paving Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	509.89	0.15	0.01
Paving Equipment	2015	2015Paving Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	511.65	0.15	0.01
Paving Equipment	2016	2016Paving Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	557.71	0.17	0.01
Paving Equipment	2016	2016Paving Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	557.71	0.17	0.01
Paving Equipment	2016	2016Paving Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	507.91	0.15	0.01
Paving Equipment	2016	2016Paving Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	504.82	0.15	0.01
Paving Equipment	2016	2016Paving Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	506.20	0.15	0.01
Paving Equipment	2017	2017Paving Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	548.65	0.17	0.01
Paving Equipment	2017	2017Paving Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	548.65	0.17	0.01
Paving Equipment	2017	2017Paving Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	500.16	0.15	0.01
Paving Equipment	2017	2017Paving Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	497.15	0.15	0.01
Paving Equipment	2017	2017Paving Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	498.73	0.15	0.01
Paving Equipment	2018	2018Paving Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	540.61	0.17	0.01
Paving Equipment	2018	2018Paving Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	540.61	0.17	0.01
Paving Equipment	2018	2018Paving Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	492.12	0.15	0.01
Paving Equipment	2018	2018Paving Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	489.20	0.15	0.01
Paving Equipment	2018	2018Paving Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	490.68	0.15	0.01
Paving Equipment	2019	2019Paving Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	531.86	0.17	0.01
Paving Equipment	2019	2019Paving Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	531.86	0.17	0.01
Paving Equipment	2019	2019Paving Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	484.39	0.15	0.01
Paving Equipment	2019	2019Paving Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	481.23	0.15	0.01
Paving Equipment	2019	2019Paving Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	482.64	0.15	0.01
Paving Equipment	2020	2020Paving Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	520.12	0.17	0.01
Paving Equipment	2020	2020Paving Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	520.12	0.17	0.01
Paving Equipment	2020	2020Paving Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	473.32	0.15	0.01
Paving Equipment	2020	2020Paving Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	470.74	0.15	0.01
Paving Equipment	2020	2020Paving Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	472.15	0.15	0.01
Paving Equipment	2021	2021Paving Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	520.40	0.17	0.01
Paving Equipment	2021	2021Paving Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	520.40	0.17	0.01
Paving Equipment	2021	2021Paving Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	473.22	0.15	0.01
Paving Equipment	2021	2021Paving Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	470.65	0.15	0.01
Paving Equipment	2021	2021Paving Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	472.15	0.15	0.01
Paving Equipment	2022	2022Paving Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	520.66	0.17	0.01
Paving Equipment	2022	2022Paving Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	520.66	0.17	0.01
Paving Equipment	2022	2022Paving Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	473.45	0.15	0.01
Paving Equipment	2022	2022Paving Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	470.66	0.15	0.01
Paving Equipment	2022	2022Paving Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	472.17	0.15	0.01
Paving Equipment	2023	2023Paving Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	521.11	0.17	0.01
Paving Equipment	2023	2023Paving Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	521.11	0.17	0.01
Paving Equipment	2023	2023Paving Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	473.43	0.15	0.01
Paving Equipment	2023	2023Paving Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	470.66	0.15	0.01
Paving Equipment	2023	2023Paving Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	472.17	0.15	0.01
Paving Equipment	2024	2024Paving Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	521.06	0.17	0.01
Paving Equipment	2024	2024Paving Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	521.06	0.17	0.01
Paving Equipment	2024	2024Paving Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	473.17	0.15	0.01
Paving Equipment	2024	2024Paving Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	470.66	0.15	0.01
Paving Equipment	2024	2024Paving Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	472.21	0.15	0.01
Paving Equipment	2025	2025Paving Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	521.00	0.17	0.01
Paving Equipment	2025	2025Paving Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	521.00	0.17	0.01
Paving Equipment	2025	2025Paving Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	473.42	0.15	0.01
Paving Equipment	2025	2025Paving Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	470.48	0.15	0.01
Paving Equipment	2025	2025Paving Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	472.23	0.15	0.01
Paving Equipment	2030	2030Paving Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Paving Equipment	2030	2030Paving Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.07	0.01
Paving Equipment	2030	2030Paving Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Paving Equipment	2030	2030Paving Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Paving Equipment	2030	2030Paving Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Paving Equipment	2035	2035Paving Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Paving Equipment	2035	2035Paving Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.06	0.01
Paving Equipment	2035	2035Paving Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Paving Equipment	2035	2035Paving Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Paving Equipment	2035	2035Paving Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Paving Equipment	2040	2040Paving Equipment25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Paving Equipment	2040	2040Paving Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Paving Equipment	2040	2040Paving Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Paving Equipment	2040	2040Paving Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Paving Equipment	2040	2040Paving Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Plate Compactors	1990	1990Plate Compactors15	15	1.80	10.00	5.00	0.98	0.98	1.05	568.30	0.16	0.01
Plate Compactors	2000	2000Plate Compactors15	15	1.55	8.52	4.61	0.71	0.71	0.08	568.30	0.14	0.01
Plate Compactors	2005	2005Plate Compactors15	15	0.80	5.44	3.50	0.38	0.38	0.08	568.30	0.07	0.01
Plate Compactors	2010	2010Plate Compactors15	15	0.66	4.18	3.47	0.20	0.20	0.01	568.30	0.06	0.01
Plate Compactors	2011	2011Plate Compactors15	15	0.66	4.15	3.47	0.17	0.17	0.01	568.30	0.06	0.01
Plate Compactors	2012	2012Plate Compactors15	15	0.66	4.14	3.47	0.17	0.17	0.01	568.30	0.06	0.01
Plate Compactors	2013	2013Plate Compactors15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Plate Compactors	2014	2014Plate Compactors15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Plate Compactors	2015	2015Plate Compactors15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Plate Compactors	2016	2016Plate Compactors15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Plate Compactors	2017	2017Plate Compactors15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Plate Compactors	2018	2018Plate Compactors15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Plate Compactors	2019	2019Plate Compactors15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Plate Compactors	2020	2020Plate Compactors15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Plate Compactors	2021	2021Plate Compactors15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Plate Compactors	2022	2022Plate Compactors15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Plate Compactors	2023	2023Plate Compactors15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Plate Compactors	2024	2024Plate Compactors15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Plate Compactors	2025	2025Plate Compactors15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Plate Compactors	2030	2030Plate Compactors15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Plate Compactors	2035	2035Plate Compactors15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Plate Compactors	2040	2040Plate Compactors15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Pressure Washers	1990	1990Pressure Washers15	15	1.80	10.00	5.00	0.97	0.97	1.02	568.30	0.16	0.01
Pressure Washers	1990	1990Pressure Washers25	25	0.12	2.75	4.10	0.01	0.01	0.83	568.30	0.20	0.01
Pressure Washers	1990	1990Pressure Washers50	50	0.12	2.74	3.70	0.01	0.01	0.85	568.30	0.23	0.01
Pressure Washers	1990	1990Pressure Washers120	120	0.06	0.26	3.70	0.01	0.01	0.77	568.30	0.16	0.01
Pressure Washers	1990	1990Pressure Washers175	175	0.06	0.26	2.20	0.01	0.01	1.12	568.30	0.11	0.01
Pressure Washers	1990	1990Pressure Washers250	250	0.06	0.26	2.20	0.01	0.01	1.08	568.30	0.09	0.01
Pressure Washers	2000	2000Pressure Washers15	15	1.52	8.85	4.88	0.61	0.61	0.08	568.30	0.14	0.01
Pressure Washers	2000	2000Pressure Washers25	25	0.12	2.75	4.10	0.01	0.01	0.07	568.30	0.15	0.01
Pressure Washers	2000	2000Pressure Washers50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.22	0.01
Pressure Washers	2000	2000Pressure Washers120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.13	0.01
Pressure Washers	2000	2000Pressure Washers175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.09	0.01

Pressure Washers	2000	2000Pressure Washers250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.04	0.01
Pressure Washers	2005	2005Pressure Washers15	15	1.21	7.62	4.38	0.51	0.51	0.08	568.30	0.11	0.01
Pressure Washers	2005	2005Pressure Washers25	25	0.12	2.75	4.10	0.01	0.01	0.07	568.30	0.11	0.01
Pressure Washers	2005	2005Pressure Washers50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.19	0.01
Pressure Washers	2005	2005Pressure Washers120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.11	0.01
Pressure Washers	2005	2005Pressure Washers175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.08	0.01
Pressure Washers	2005	2005Pressure Washers250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.02	0.01
Pressure Washers	2010	2010Pressure Washers15	15	0.95	6.39	4.03	0.38	0.38	0.01	568.30	0.09	0.01
Pressure Washers	2010	2010Pressure Washers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.09	0.01
Pressure Washers	2010	2010Pressure Washers50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.15	0.01
Pressure Washers	2010	2010Pressure Washers120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.08	0.01
Pressure Washers	2010	2010Pressure Washers175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.06	0.01
Pressure Washers	2010	2010Pressure Washers250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pressure Washers	2011	2011Pressure Washers15	15	0.91	6.13	3.95	0.36	0.36	0.01	568.30	0.08	0.01
Pressure Washers	2011	2011Pressure Washers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.08	0.01
Pressure Washers	2011	2011Pressure Washers50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.14	0.01
Pressure Washers	2011	2011Pressure Washers120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.08	0.01
Pressure Washers	2011	2011Pressure Washers175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.05	0.01
Pressure Washers	2011	2011Pressure Washers250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pressure Washers	2012	2012Pressure Washers15	15	0.87	5.87	3.87	0.34	0.34	0.01	568.30	0.08	0.01
Pressure Washers	2012	2012Pressure Washers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.08	0.01
Pressure Washers	2012	2012Pressure Washers50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.12	0.01
Pressure Washers	2012	2012Pressure Washers120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.07	0.01
Pressure Washers	2012	2012Pressure Washers175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.05	0.01
Pressure Washers	2012	2012Pressure Washers250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pressure Washers	2013	2013Pressure Washers15	15	0.82	5.62	3.80	0.32	0.32	0.01	568.30	0.07	0.01
Pressure Washers	2013	2013Pressure Washers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.08	0.01
Pressure Washers	2013	2013Pressure Washers50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.11	0.01
Pressure Washers	2013	2013Pressure Washers120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.06	0.01
Pressure Washers	2013	2013Pressure Washers175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.05	0.01
Pressure Washers	2013	2013Pressure Washers250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Pressure Washers	2014	2014Pressure Washers15	15	0.78	5.37	3.72	0.30	0.30	0.01	568.30	0.07	0.01
Pressure Washers	2014	2014Pressure Washers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Pressure Washers	2014	2014Pressure Washers50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.10	0.01
Pressure Washers	2014	2014Pressure Washers120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.06	0.01
Pressure Washers	2014	2014Pressure Washers175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Pressure Washers	2014	2014Pressure Washers250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Pressure Washers	2015	2015Pressure Washers15	15	0.75	5.14	3.66	0.28	0.28	0.01	568.30	0.07	0.01
Pressure Washers	2015	2015Pressure Washers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Pressure Washers	2015	2015Pressure Washers50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.09	0.01
Pressure Washers	2015	2015Pressure Washers120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Pressure Washers	2015	2015Pressure Washers175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Pressure Washers	2015	2015Pressure Washers250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Pressure Washers	2016	2016Pressure Washers15	15	0.72	4.98	3.62	0.26	0.26	0.01	568.30	0.07	0.01
Pressure Washers	2016	2016Pressure Washers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Pressure Washers	2016	2016Pressure Washers50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.08	0.01
Pressure Washers	2016	2016Pressure Washers120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Pressure Washers	2016	2016Pressure Washers175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Pressure Washers	2016	2016Pressure Washers250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Pressure Washers	2017	2017Pressure Washers15	15	0.70	4.85	3.60	0.25	0.25	0.01	568.30	0.06	0.01
Pressure Washers	2017	2017Pressure Washers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Pressure Washers	2017	2017Pressure Washers50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.07	0.01
Pressure Washers	2017	2017Pressure Washers120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Pressure Washers	2017	2017Pressure Washers175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Pressure Washers	2017	2017Pressure Washers250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Pressure Washers	2018	2018Pressure Washers15	15	0.68	4.73	3.58	0.24	0.24	0.01	568.30	0.06	0.01
Pressure Washers	2018	2018Pressure Washers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Pressure Washers	2018	2018Pressure Washers50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.06	0.01
Pressure Washers	2018	2018Pressure Washers120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Pressure Washers	2018	2018Pressure Washers175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Pressure Washers	2018	2018Pressure Washers250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Pressure Washers	2019	2019Pressure Washers15	15	0.66	4.62	3.56	0.22	0.22	0.01	568.30	0.06	0.01
Pressure Washers	2019	2019Pressure Washers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Pressure Washers	2019	2019Pressure Washers50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Pressure Washers	2019	2019Pressure Washers120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Pressure Washers	2019	2019Pressure Washers175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Pressure Washers	2019	2019Pressure Washers250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Pressure Washers	2020	2020Pressure Washers15	15	0.65	4.52	3.55	0.21	0.21	0.01	568.30	0.06	0.01
Pressure Washers	2020	2020Pressure Washers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Pressure Washers	2020	2020Pressure Washers50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Pressure Washers	2020	2020Pressure Washers120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Pressure Washers	2020	2020Pressure Washers175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pressure Washers	2020	2020Pressure Washers250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Pressure Washers	2021	2021Pressure Washers15	15	0.63	4.44	3.53	0.20	0.20	0.01	568.30	0.06	0.01
Pressure Washers	2021	2021Pressure Washers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Pressure Washers	2021	2021Pressure Washers50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Pressure Washers	2021	2021Pressure Washers120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Pressure Washers	2021	2021Pressure Washers175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pressure Washers	2021	2021Pressure Washers250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Pressure Washers	2022	2022Pressure Washers15	15	0.63	4.39	3.52	0.19	0.19	0.01	568.30	0.06	0.01
Pressure Washers	2022	2022Pressure Washers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Pressure Washers	2022	2022Pressure Washers50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Pressure Washers	2022	2022Pressure Washers120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Pressure Washers	2022	2022Pressure Washers175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pressure Washers	2022	2022Pressure Washers250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Pressure Washers	2023	2023Pressure Washers15	15	0.62	4.35	3.51	0.19	0.19	0.01	568.30	0.06	0.01
Pressure Washers	2023	2023Pressure Washers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Pressure Washers	2023	2023Pressure Washers50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Pressure Washers	2023	2023Pressure Washers120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Pressure Washers	2023	2023Pressure Washers175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pressure Washers	2023	2023Pressure Washers250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Pressure Washers	2024	2024Pressure Washers15	15	0.61	4.31	3.50	0.18	0.18	0.01	568.30	0.06	0.01
Pressure Washers	2024	2024Pressure Washers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Pressure Washers	2024	2024Pressure Washers50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Pressure Washers	2024	2024Pressure Washers120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Pressure Washers	2024	2024Pressure Washers175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pressure Washers	2024	2024Pressure Washers250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Pressure Washers	2025	2025Pressure Washers15	15	0.61	4.27	3.49	0.18	0.18	0.01	568.30	0.05	0.01
Pressure Washers	2025	2025Pressure Washers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Pressure Washers	2025	2025Pressure Washers50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Pressure Washers	2025	2025Pressure Washers120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Pressure Washers	2025	2025Pressure Washers175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pressure Washers	2025	2025Pressure Washers250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Pressure Washers	2030	2030Pressure Washers15	15	0.59	4.16	3.47	0.17	0.17	0.01	568.30	0.05	0.01
Pressure Washers	2030	2030Pressure Washers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Pressure Washers	2030	2030Pressure Washers50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Pressure Washers	2030	2030Pressure Washers120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.01	0.01
Pressure Washers	2030	2030Pressure Washers175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Pressure Washers	2030	2030Pressure Washers250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Pressure Washers	2035	2035Pressure Washers15	15	0.59	4.14	3.47	0.16	0.16	0.01	568.30	0.05	0.01
Pressure Washers	2035	2035Pressure Washers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Pressure Washers	2035	2035Pressure Washers50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Pressure Washers	2035	2035Pressure Washers120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.01	0.01
Pressure Washers	2035	2035Pressure Washers175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Pressure Washers	2035	2035Pressure Washers250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Pressure Washers	2040	2040Pressure Washers15	15	0.59	4.14	3.47	0.16	0.16	0.01	568.30	0.05	0.01
Pressure Washers	2040	2040Pressure Washers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Pressure Washers	2040	2040Pressure Washers50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Pressure Washers	2040	2040Pressure Washers120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.01	0.01
Pressure Washers	2040	2040Pressure Washers175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Pressure Washers	2040	2040Pressure Washers250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Pumps	1990	1990Pumps15	15	1.80	10.00	5.00	0.97	0.97	1.02	568.30	0.16	0.01
Pumps	1990	1990Pumps25	25	0.12	2.75	4.10	0.01	0.01	0.83	568.30	0.20	0.01
Pumps	1990	1990Pumps50	50	0.12	2.74	3.70	0.01	0.01	0.85	568.30	0.30	0.01
Pumps	1990	1990Pumps120	120	0.06	0.26	3.70	0.01	0.01	0.77	568.30	0.18	0.01
Pumps	1990	1990Pumps175	175	0.06	0.26	2.20	0.01	0.01	0.74	568.30	0.12	0.01
Pumps	1990	1990Pumps250	250	0.06	0.26	2.20	0.01	0.01	0.74	568.30	0.12	0.01
Pumps	1990	1990Pumps500	500	0.06	0.26	2.20	0.01	0.01	0.64	568.30	0.11	0.01
Pumps	1990	1990Pumps750	750	0.06	0.26	2.20	0.01	0.01	0.66	568.30	0.11	0.01
Pumps	1990	1990Pumps9999	9999	1.22	11.74	7.03	0.61	0.61	0.66	568.30	0.11	0.01
Pumps	2000	2000Pumps15	15	1.72	9.08	4.88	0.75	0.75	0.08	568.30	0.16	0.01
Pumps	2000	2000Pumps25	25	0.12	2.75	4.10	0.01	0.01	0.07	568.30	0.19	0.01
Pumps	2000	2000Pumps50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.28	0.01
Pumps	2000	2000Pumps120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.14	0.01
Pumps	2000	2000Pumps175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.10	0.01
Pumps	2000	2000Pumps250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.08	0.01
Pumps	2000	2000Pumps500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.07	0.01
Pumps	2000	2000Pumps750	750	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.07	0.01
Pumps	2000	2000Pumps9999	9999	0.94	8.78	4.53	0.35	0.35	0.05	568.30	0.08	0.01
Pumps	2005	2005Pumps15	15	1.39	7.82	4.38	0.62	0.62	0.08	568.30	0.13	0.01
Pumps	2005	2005Pumps25	25	0.12	2.75	4.10	0.01	0.01	0.07	568.30	0.15	0.01
Pumps	2005	2005Pumps50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.25	0.01

Pumps	2005	2005Pumps120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.12	0.01
Pumps	2005	2005Pumps175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.08	0.01
Pumps	2005	2005Pumps250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.06	0.01
Pumps	2005	2005Pumps500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.05	0.01
Pumps	2005	2005Pumps750	750	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.05	0.01
Pumps	2005	2005Pumps9999	9999	0.73	7.66	2.84	0.26	0.26	0.05	568.30	0.07	0.01
Pumps	2010	2010Pumps15	15	1.12	6.55	4.03	0.47	0.47	0.01	568.30	0.10	0.01
Pumps	2010	2010Pumps25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.11	0.01
Pumps	2010	2010Pumps50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.20	0.01
Pumps	2010	2010Pumps120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.09	0.01
Pumps	2010	2010Pumps175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.06	0.01
Pumps	2010	2010Pumps250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Pumps	2010	2010Pumps500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Pumps	2010	2010Pumps750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Pumps	2010	2010Pumps9999	9999	0.55	6.62	1.99	0.20	0.20	0.01	568.30	0.05	0.01
Pumps	2011	2011Pumps15	15	1.07	6.28	3.95	0.44	0.44	0.01	568.30	0.10	0.01
Pumps	2011	2011Pumps25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.11	0.01
Pumps	2011	2011Pumps50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.18	0.01
Pumps	2011	2011Pumps120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.09	0.01
Pumps	2011	2011Pumps175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.06	0.01
Pumps	2011	2011Pumps250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Pumps	2011	2011Pumps500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Pumps	2011	2011Pumps750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Pumps	2011	2011Pumps9999	9999	0.51	6.27	1.84	0.18	0.18	0.01	568.30	0.05	0.01
Pumps	2012	2012Pumps15	15	1.01	6.00	3.87	0.41	0.41	0.01	568.30	0.09	0.01
Pumps	2012	2012Pumps25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.10	0.01
Pumps	2012	2012Pumps50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.17	0.01
Pumps	2012	2012Pumps120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.08	0.01
Pumps	2012	2012Pumps175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.05	0.01
Pumps	2012	2012Pumps250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Pumps	2012	2012Pumps500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Pumps	2012	2012Pumps750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Pumps	2012	2012Pumps9999	9999	0.47	5.92	1.68	0.17	0.17	0.01	568.30	0.04	0.01
Pumps	2013	2013Pumps15	15	0.95	5.72	3.80	0.37	0.37	0.01	568.30	0.09	0.01
Pumps	2013	2013Pumps25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.09	0.01
Pumps	2013	2013Pumps50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.15	0.01
Pumps	2013	2013Pumps120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.07	0.01
Pumps	2013	2013Pumps175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.05	0.01
Pumps	2013	2013Pumps250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Pumps	2013	2013Pumps500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Pumps	2013	2013Pumps750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Pumps	2013	2013Pumps9999	9999	0.44	5.56	1.54	0.15	0.15	0.01	568.30	0.04	0.01
Pumps	2014	2014Pumps15	15	0.89	5.45	3.72	0.34	0.34	0.01	568.30	0.08	0.01
Pumps	2014	2014Pumps25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.09	0.01
Pumps	2014	2014Pumps50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.14	0.01
Pumps	2014	2014Pumps120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.07	0.01
Pumps	2014	2014Pumps175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.05	0.01
Pumps	2014	2014Pumps250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Pumps	2014	2014Pumps500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Pumps	2014	2014Pumps750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Pumps	2014	2014Pumps9999	9999	0.40	5.21	1.41	0.14	0.14	0.01	568.30	0.04	0.01
Pumps	2015	2015Pumps15	15	0.84	5.20	3.66	0.31	0.31	0.01	568.30	0.08	0.01
Pumps	2015	2015Pumps25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.08	0.01
Pumps	2015	2015Pumps50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.12	0.01
Pumps	2015	2015Pumps120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.06	0.01
Pumps	2015	2015Pumps175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Pumps	2015	2015Pumps250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Pumps	2015	2015Pumps500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pumps	2015	2015Pumps750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Pumps	2015	2015Pumps9999	9999	0.36	4.88	1.29	0.13	0.13	0.01	568.30	0.03	0.01
Pumps	2016	2016Pumps15	15	0.81	5.02	3.62	0.29	0.29	0.01	568.30	0.07	0.01
Pumps	2016	2016Pumps25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.08	0.01
Pumps	2016	2016Pumps50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.11	0.01
Pumps	2016	2016Pumps120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.06	0.01
Pumps	2016	2016Pumps175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Pumps	2016	2016Pumps250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Pumps	2016	2016Pumps500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pumps	2016	2016Pumps750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pumps	2016	2016Pumps9999	9999	0.34	4.60	1.22	0.12	0.12	0.01	568.30	0.03	0.01
Pumps	2017	2017Pumps15	15	0.79	4.89	3.60	0.27	0.27	0.01	568.30	0.07	0.01
Pumps	2017	2017Pumps25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Pumps	2017	2017Pumps50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.10	0.01
Pumps	2017	2017Pumps120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Pumps	2017	2017Pumps175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Pumps	2017	2017Pumps250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pumps	2017	2017Pumps500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pumps	2017	2017Pumps750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pumps	2017	2017Pumps9999	9999	0.31	4.34	1.18	0.11	0.11	0.01	568.30	0.03	0.01
Pumps	2018	2018Pumps15	15	0.77	4.76	3.58	0.26	0.26	0.01	568.30	0.07	0.01
Pumps	2018	2018Pumps25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Pumps	2018	2018Pumps50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.09	0.01
Pumps	2018	2018Pumps120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Pumps	2018	2018Pumps175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Pumps	2018	2018Pumps250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pumps	2018	2018Pumps500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pumps	2018	2018Pumps750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pumps	2018	2018Pumps9999	9999	0.29	4.11	1.14	0.10	0.10	0.01	568.30	0.03	0.01
Pumps	2019	2019Pumps15	15	0.75	4.65	3.56	0.24	0.24	0.01	568.30	0.07	0.01
Pumps	2019	2019Pumps25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Pumps	2019	2019Pumps50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.08	0.01
Pumps	2019	2019Pumps120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Pumps	2019	2019Pumps175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Pumps	2019	2019Pumps250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pumps	2019	2019Pumps500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pumps	2019	2019Pumps750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pumps	2019	2019Pumps9999	9999	0.27	3.87	1.12	0.09	0.09	0.01	568.30	0.02	0.01
Pumps	2020	2020Pumps15	15	0.73	4.54	3.55	0.23	0.23	0.01	568.30	0.07	0.01
Pumps	2020	2020Pumps25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Pumps	2020	2020Pumps50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.07	0.01
Pumps	2020	2020Pumps120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Pumps	2020	2020Pumps175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Pumps	2020	2020Pumps250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pumps	2020	2020Pumps500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pumps	2020	2020Pumps750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pumps	2020	2020Pumps9999	9999	0.26	3.65	1.10	0.08	0.08	0.01	568.30	0.02	0.01
Pumps	2021	2021Pumps15	15	0.72	4.46	3.53	0.21	0.21	0.01	568.30	0.06	0.01
Pumps	2021	2021Pumps25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Pumps	2021	2021Pumps50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.06	0.01
Pumps	2021	2021Pumps120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Pumps	2021	2021Pumps175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pumps	2021	2021Pumps250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pumps	2021	2021Pumps500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pumps	2021	2021Pumps750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pumps	2021	2021Pumps9999	9999	0.23	3.41	1.07	0.07	0.07	0.01	568.30	0.02	0.01
Pumps	2022	2022Pumps15	15	0.71	4.41	3.52	0.20	0.20	0.01	568.30	0.06	0.01
Pumps	2022	2022Pumps25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Pumps	2022	2022Pumps50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.06	0.01
Pumps	2022	2022Pumps120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Pumps	2022	2022Pumps175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pumps	2022	2022Pumps250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pumps	2022	2022Pumps500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pumps	2022	2022Pumps750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pumps	2022	2022Pumps9999	9999	0.22	3.24	1.06	0.07	0.07	0.01	568.30	0.02	0.01
Pumps	2023	2023Pumps15	15	0.70	4.36	3.51	0.19	0.19	0.01	568.30	0.06	0.01
Pumps	2023	2023Pumps25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Pumps	2023	2023Pumps50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Pumps	2023	2023Pumps120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Pumps	2023	2023Pumps175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pumps	2023	2023Pumps250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pumps	2023	2023Pumps500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pumps	2023	2023Pumps750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pumps	2023	2023Pumps9999	9999	0.21	3.09	1.04	0.06	0.06	0.01	568.30	0.02	0.01
Pumps	2024	2024Pumps15	15	0.69	4.32	3.50	0.19	0.19	0.01	568.30	0.06	0.01
Pumps	2024	2024Pumps25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Pumps	2024	2024Pumps50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Pumps	2024	2024Pumps120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Pumps	2024	2024Pumps175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pumps	2024	2024Pumps250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pumps	2024	2024Pumps500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Pumps	2024	2024Pumps750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Pumps	2024	2024Pumps9999	9999	0.20	2.96	1.03	0.05	0.05	0.01	568.30	0.02	0.01
Pumps	2025	2025Pumps15	15	0.68	4.28	3.49	0.18	0.18	0.01	568.30	0.06	0.01

Pumps	2025	2025Pumps25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Pumps	2025	2025Pumps50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Pumps	2025	2025Pumps120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Pumps	2025	2025Pumps175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Pumps	2025	2025Pumps250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Pumps	2025	2025Pumps500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Pumps	2025	2025Pumps750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Pumps	2025	2025Pumps9999	9999	0.19	2.84	1.02	0.05	0.05	0.01	568.30	0.02	0.01
Pumps	2030	2030Pumps15	15	0.66	4.16	3.47	0.17	0.17	0.01	568.30	0.06	0.01
Pumps	2030	2030Pumps25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Pumps	2030	2030Pumps50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Pumps	2030	2030Pumps120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Pumps	2030	2030Pumps175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Pumps	2030	2030Pumps250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Pumps	2030	2030Pumps500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Pumps	2030	2030Pumps750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Pumps	2030	2030Pumps9999	9999	0.14	2.50	0.99	0.03	0.03	0.01	568.30	0.01	0.01
Pumps	2035	2035Pumps15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Pumps	2035	2035Pumps25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Pumps	2035	2035Pumps50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Pumps	2035	2035Pumps120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Pumps	2035	2035Pumps175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Pumps	2035	2035Pumps250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Pumps	2035	2035Pumps500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Pumps	2035	2035Pumps750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Pumps	2035	2035Pumps9999	9999	0.12	2.38	0.99	0.02	0.02	0.01	568.30	0.01	0.01
Pumps	2040	2040Pumps15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Pumps	2040	2040Pumps25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Pumps	2040	2040Pumps50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Pumps	2040	2040Pumps120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.01	0.01
Pumps	2040	2040Pumps175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Pumps	2040	2040Pumps250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Pumps	2040	2040Pumps500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Pumps	2040	2040Pumps750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Pumps	2040	2040Pumps9999	9999	0.12	2.35	0.99	0.02	0.02	0.01	568.30	0.01	0.01
Rollers	1990	1990Rollers15	15	1.80	10.00	5.00	0.98	0.98	1.05	568.30	0.16	0.01
Rollers	1990	1990Rollers25	25	0.12	2.75	4.10	0.01	0.01	0.86	568.30	0.20	0.01
Rollers	1990	1990Rollers50	50	0.12	2.74	3.70	0.01	0.01	0.87	568.30	0.43	0.01
Rollers	1990	1990Rollers120	120	0.06	0.26	3.70	0.01	0.01	0.79	568.30	0.21	0.01
Rollers	1990	1990Rollers175	175	0.06	0.26	2.20	0.01	0.01	0.76	568.30	0.17	0.01
Rollers	1990	1990Rollers250	250	0.06	0.26	2.20	0.01	0.01	0.76	568.30	0.17	0.01
Rollers	1990	1990Rollers500	500	0.06	0.26	2.20	0.01	0.01	0.66	568.30	0.15	0.01
Rollers	2000	2000Rollers15	15	1.48	8.24	4.49	0.68	0.68	0.08	568.30	0.13	0.01
Rollers	2000	2000Rollers25	25	0.12	2.75	4.10	0.01	0.01	0.07	568.30	0.18	0.01
Rollers	2000	2000Rollers50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.36	0.01
Rollers	2000	2000Rollers120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.16	0.01
Rollers	2000	2000Rollers175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.11	0.01
Rollers	2000	2000Rollers250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.09	0.01
Rollers	2000	2000Rollers500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.09	0.01
Rollers	2005	2005Rollers15	15	0.77	5.23	3.47	0.36	0.36	0.08	568.30	0.07	0.01
Rollers	2005	2005Rollers25	25	0.12	2.75	4.10	0.01	0.01	0.07	568.30	0.08	0.01
Rollers	2005	2005Rollers50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.33	0.01
Rollers	2005	2005Rollers120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.14	0.01
Rollers	2005	2005Rollers175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.09	0.01
Rollers	2005	2005Rollers250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.07	0.01
Rollers	2005	2005Rollers500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.06	0.01
Rollers	2010	2010Rollers15	15	1.38	5.59	5.20	0.52	0.47	0.01	584.61	0.17	0.01
Rollers	2010	2010Rollers25	25	0.12	2.75	4.10	0.01	0.01	0.01	584.61	0.17	0.01
Rollers	2010	2010Rollers50	50	0.12	2.74	3.70	0.01	0.01	0.01	584.61	0.17	0.01
Rollers	2010	2010Rollers120	120	0.06	0.26	3.70	0.01	0.01	0.00	527.63	0.15	0.01
Rollers	2010	2010Rollers175	175	0.06	0.26	2.20	0.01	0.01	0.00	524.20	0.15	0.01
Rollers	2010	2010Rollers250	250	0.06	0.26	2.20	0.01	0.01	0.00	526.25	0.15	0.01
Rollers	2010	2010Rollers500	500	0.06	0.26	2.20	0.01	0.01	0.00	533.88	0.16	0.01
Rollers	2011	2011Rollers15	15	1.34	5.56	5.18	0.51	0.47	0.01	583.11	0.17	0.01
Rollers	2011	2011Rollers25	25	0.12	2.75	4.10	0.01	0.01	0.01	583.11	0.17	0.01
Rollers	2011	2011Rollers50	50	0.12	2.74	3.70	0.01	0.01	0.01	583.11	0.17	0.01
Rollers	2011	2011Rollers120	120	0.06	0.26	3.70	0.01	0.01	0.00	525.94	0.15	0.01
Rollers	2011	2011Rollers175	175	0.06	0.26	2.20	0.01	0.01	0.00	522.94	0.15	0.01
Rollers	2011	2011Rollers250	250	0.06	0.26	2.20	0.01	0.01	0.00	524.89	0.15	0.01
Rollers	2011	2011Rollers500	500	0.06	0.26	2.20	0.01	0.01	0.00	529.60	0.15	0.01
Rollers	2012	2012Rollers15	15	1.36	5.57	5.27	0.51	0.47	0.01	581.67	0.17	0.01
Rollers	2012	2012Rollers25	25	0.12	2.75	4.10	0.01	0.01	0.01	581.67	0.17	0.01
Rollers	2012	2012Rollers50	50	0.12	2.74	3.70	0.01	0.01	0.01	581.67	0.17	0.01
Rollers	2012	2012Rollers120	120	0.06	0.26	3.70	0.01	0.01	0.00	524.53	0.15	0.01
Rollers	2012	2012Rollers175	175	0.06	0.26	2.20	0.01	0.01	0.00	521.55	0.15	0.01
Rollers	2012	2012Rollers250	250	0.06	0.26	2.20	0.01	0.01	0.00	523.56	0.15	0.01
Rollers	2012	2012Rollers500	500	0.06	0.26	2.20	0.01	0.01	0.00	528.14	0.15	0.01
Rollers	2013	2013Rollers15	15	1.34	5.50	5.27	0.50	0.46	0.01	578.87	0.17	0.01
Rollers	2013	2013Rollers25	25	0.12	2.75	4.10	0.01	0.01	0.01	578.87	0.17	0.01
Rollers	2013	2013Rollers50	50	0.12	2.74	3.70	0.01	0.01	0.01	578.87	0.17	0.01
Rollers	2013	2013Rollers120	120	0.06	0.26	3.70	0.01	0.01	0.00	521.82	0.15	0.01
Rollers	2013	2013Rollers175	175	0.06	0.26	2.20	0.01	0.01	0.00	519.07	0.15	0.01
Rollers	2013	2013Rollers250	250	0.06	0.26	2.20	0.01	0.01	0.00	520.41	0.15	0.01
Rollers	2013	2013Rollers500	500	0.06	0.26	2.20	0.01	0.01	0.00	524.77	0.15	0.01
Rollers	2014	2014Rollers15	15	1.31	5.39	5.24	0.48	0.44	0.01	575.80	0.17	0.01
Rollers	2014	2014Rollers25	25	0.12	2.75	4.10	0.01	0.01	0.01	575.80	0.17	0.01
Rollers	2014	2014Rollers50	50	0.12	2.74	3.70	0.01	0.01	0.01	575.80	0.17	0.01
Rollers	2014	2014Rollers120	120	0.06	0.26	3.70	0.01	0.01	0.00	518.79	0.15	0.01
Rollers	2014	2014Rollers175	175	0.06	0.26	2.20	0.01	0.01	0.00	516.59	0.15	0.01
Rollers	2014	2014Rollers250	250	0.06	0.26	2.20	0.01	0.01	0.00	517.81	0.15	0.01
Rollers	2014	2014Rollers500	500	0.06	0.26	2.20	0.01	0.01	0.00	522.05	0.15	0.01
Rollers	2015	2015Rollers15	15	1.31	5.37	5.29	0.48	0.44	0.01	569.92	0.17	0.01
Rollers	2015	2015Rollers25	25	0.12	2.75	4.10	0.01	0.01	0.01	569.92	0.17	0.01
Rollers	2015	2015Rollers50	50	0.12	2.74	3.70	0.01	0.01	0.01	569.92	0.17	0.01
Rollers	2015	2015Rollers120	120	0.06	0.26	3.70	0.01	0.01	0.00	513.51	0.15	0.01
Rollers	2015	2015Rollers175	175	0.06	0.26	2.20	0.01	0.01	0.00	511.39	0.15	0.01
Rollers	2015	2015Rollers250	250	0.06	0.26	2.20	0.01	0.01	0.00	512.82	0.15	0.01
Rollers	2015	2015Rollers500	500	0.06	0.26	2.20	0.01	0.01	0.00	517.28	0.15	0.01
Rollers	2016	2016Rollers15	15	1.26	5.24	5.23	0.46	0.42	0.01	563.97	0.17	0.01
Rollers	2016	2016Rollers25	25	0.12	2.75	4.10	0.01	0.01	0.01	563.97	0.17	0.01
Rollers	2016	2016Rollers50	50	0.12	2.74	3.70	0.01	0.01	0.01	563.97	0.17	0.01
Rollers	2016	2016Rollers120	120	0.06	0.26	3.70	0.01	0.01	0.00	508.20	0.15	0.01
Rollers	2016	2016Rollers175	175	0.06	0.26	2.20	0.01	0.01	0.00	505.90	0.15	0.01
Rollers	2016	2016Rollers250	250	0.06	0.26	2.20	0.01	0.01	0.00	507.69	0.15	0.01
Rollers	2016	2016Rollers500	500	0.06	0.26	2.20	0.01	0.01	0.00	513.42	0.15	0.01
Rollers	2017	2017Rollers15	15	1.20	5.10	5.15	0.44	0.40	0.01	555.02	0.17	0.01
Rollers	2017	2017Rollers25	25	0.12	2.75	4.10	0.01	0.01	0.01	555.02	0.17	0.01
Rollers	2017	2017Rollers50	50	0.12	2.74	3.70	0.01	0.01	0.01	555.02	0.17	0.01
Rollers	2017	2017Rollers120	120	0.06	0.26	3.70	0.01	0.01	0.00	500.15	0.15	0.01
Rollers	2017	2017Rollers175	175	0.06	0.26	2.20	0.01	0.01	0.00	497.91	0.15	0.01
Rollers	2017	2017Rollers250	250	0.06	0.26	2.20	0.01	0.01	0.00	499.70	0.15	0.01
Rollers	2017	2017Rollers500	500	0.06	0.26	2.20	0.01	0.01	0.00	505.83	0.15	0.01
Rollers	2018	2018Rollers15	15	1.06	4.84	4.92	0.39	0.36	0.01	546.29	0.17	0.01
Rollers	2018	2018Rollers25	25	0.12	2.75	4.10	0.01	0.01	0.01	546.29	0.17	0.01
Rollers	2018	2018Rollers50	50	0.12	2.74	3.70	0.01	0.01	0.01	546.29	0.17	0.01
Rollers	2018	2018Rollers120	120	0.06	0.26	3.70	0.01	0.01	0.00	492.21	0.15	0.01
Rollers	2018	2018Rollers175	175	0.06	0.26	2.20	0.01	0.01	0.00	490.18	0.15	0.01
Rollers	2018	2018Rollers250	250	0.06	0.26	2.20	0.01	0.01	0.00	491.66	0.15	0.01
Rollers	2018	2018Rollers500	500	0.06	0.26	2.20	0.01	0.01	0.00	498.00	0.16	0.01
Rollers	2019	2019Rollers15	15	0.97	4.64	4.78	0.35	0.32	0.01	537.55	0.17	0.01
Rollers	2019	2019Rollers25	25	0.12	2.75	4.10	0.01	0.01	0.01	537.55	0.17	0.01
Rollers	2019	2019Rollers50	50	0.12	2.74	3.70	0.01	0.01	0.01	537.55	0.17	0.01
Rollers	2019	2019Rollers120	120	0.06	0.26	3.70	0.01	0.01	0.00	484.34	0.15	0.01
Rollers	2019	2019Rollers175	175	0.06	0.26	2.20	0.01	0.01	0.00	482.45	0.15	0.01
Rollers	2019	2019Rollers250	250	0.06	0.26	2.20	0.01	0.01	0.00	483.78	0.15	0.01
Rollers	2019	2019Rollers500	500	0.06	0.26	2.20	0.01	0.01	0.00	489.98	0.16	0.01
Rollers	2020	2020Rollers15	15	0.93	4.53	4.73	0.33	0.30	0.01	525.88	0.17	0.01
Rollers	2020	2020Rollers25	25	0.12	2.75	4.10	0.01	0.01	0.01	525.88	0.17	0.01
Rollers	2020	2020Rollers50	50	0.12	2.74	3.70	0.01	0.01	0.01	525.88	0.17	0.01
Rollers	2020	2020Rollers120	120	0.06	0.26	3.70	0.01	0.01	0.00	473.86	0.15	0.01
Rollers	2020	2020Rollers175	175	0.06	0.26	2.20	0.01	0.01	0.00	471.92	0.15	0.01
Rollers	2020	2020Rollers250	250	0.06	0.26	2.20	0.01	0.01	0.00	473.37	0.15	0.01
Rollers	2020	2020Rollers500	500	0.06	0.26	2.20	0.01	0.01	0.00	479.33	0.16	0.01
Rollers	2021	2021Rollers15	15	0.85	4.35	4.60	0.29	0.27	0.01	525.79	0.17	0.01
Rollers	2021	2021Rollers25	25	0.12	2.75	4.10	0.01	0.01	0.01	525.79	0.17	0.01
Rollers	2021	2021Rollers50	50	0.12	2.74	3.70	0.01	0.01	0.01	525.79	0.17	0.01
Rollers	2021	2021Rollers120	120	0.06	0.26	3.70	0.01	0.01	0.00	473.90	0.15	0.01
Rollers	2021	2021Rollers175	175	0.06	0.26	2.20	0.01	0.01	0.00	471.98	0.15	0.01
Rollers	2021	2021Rollers250	250	0.06	0.26	2.20	0.01	0.01	0.00	473.47	0.15	0.01
Rollers	2021	2021Rollers500	500	0.06	0.26	2.20	0.01	0.01	0.00	479.33	0.16	0.01
Rollers	2022	2022Rollers15	15	0.74	4.13	4.40	0.25	0.23	0.01	525.69	0.17	0.01
Rollers	2022	2022Rollers25	25	0.12	2.75	4.10	0.01	0.01	0.01	525.69	0.17	0.01

Rollers	2022	2022Rollers50	50	0.12	2.74	3.70	0.01	0.01	0.01	525.69	0.17	0.01
Rollers	2022	2022Rollers120	120	0.06	0.26	3.70	0.01	0.01	0.00	473.93	0.15	0.01
Rollers	2022	2022Rollers175	175	0.06	0.26	2.20	0.01	0.01	0.00	471.95	0.15	0.01
Rollers	2022	2022Rollers250	250	0.06	0.26	2.20	0.01	0.01	0.00	473.51	0.15	0.01
Rollers	2022	2022Rollers500	500	0.06	0.26	2.20	0.01	0.01	0.00	478.98	0.15	0.01
Rollers	2023	2023Rollers15	15	0.66	3.92	4.25	0.21	0.19	0.01	525.86	0.17	0.01
Rollers	2023	2023Rollers25	25	0.12	2.75	4.10	0.01	0.01	0.01	525.86	0.17	0.01
Rollers	2023	2023Rollers50	50	0.12	2.74	3.70	0.01	0.01	0.01	525.86	0.17	0.01
Rollers	2023	2023Rollers120	120	0.06	0.26	3.70	0.01	0.01	0.00	473.94	0.15	0.01
Rollers	2023	2023Rollers175	175	0.06	0.26	2.20	0.01	0.01	0.00	471.94	0.15	0.01
Rollers	2023	2023Rollers250	250	0.06	0.26	2.20	0.01	0.01	0.00	473.52	0.15	0.01
Rollers	2023	2023Rollers500	500	0.06	0.26	2.20	0.01	0.01	0.00	478.30	0.15	0.01
Rollers	2024	2024Rollers15	15	0.62	3.82	4.21	0.19	0.18	0.01	525.96	0.17	0.01
Rollers	2024	2024Rollers25	25	0.12	2.75	4.10	0.01	0.01	0.01	525.96	0.17	0.01
Rollers	2024	2024Rollers50	50	0.12	2.74	3.70	0.01	0.01	0.01	525.96	0.17	0.01
Rollers	2024	2024Rollers120	120	0.06	0.26	3.70	0.01	0.01	0.00	474.01	0.15	0.01
Rollers	2024	2024Rollers175	175	0.06	0.26	2.20	0.01	0.01	0.00	472.01	0.15	0.01
Rollers	2024	2024Rollers250	250	0.06	0.26	2.20	0.01	0.01	0.00	473.51	0.15	0.01
Rollers	2024	2024Rollers500	500	0.06	0.26	2.20	0.01	0.01	0.00	477.90	0.15	0.01
Rollers	2025	2025Rollers15	15	0.57	3.69	4.13	0.17	0.15	0.01	526.14	0.17	0.01
Rollers	2025	2025Rollers25	25	0.12	2.75	4.10	0.01	0.01	0.01	526.14	0.17	0.01
Rollers	2025	2025Rollers50	50	0.12	2.74	3.70	0.01	0.01	0.01	526.14	0.17	0.01
Rollers	2025	2025Rollers120	120	0.06	0.26	3.70	0.01	0.01	0.00	473.85	0.15	0.01
Rollers	2025	2025Rollers175	175	0.06	0.26	2.20	0.01	0.01	0.00	471.97	0.15	0.01
Rollers	2025	2025Rollers250	250	0.06	0.26	2.20	0.01	0.01	0.00	473.68	0.15	0.01
Rollers	2025	2025Rollers500	500	0.06	0.26	2.20	0.01	0.01	0.00	477.57	0.15	0.01
Rollers	2030	2030Rollers15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Rollers	2030	2030Rollers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Rollers	2030	2030Rollers50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Rollers	2030	2030Rollers120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Rollers	2030	2030Rollers175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Rollers	2030	2030Rollers250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Rollers	2030	2030Rollers500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Rollers	2035	2035Rollers15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Rollers	2035	2035Rollers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Rollers	2035	2035Rollers50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Rollers	2035	2035Rollers120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Rollers	2035	2035Rollers175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Rollers	2035	2035Rollers250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Rollers	2035	2035Rollers500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Rollers	2040	2040Rollers15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Rollers	2040	2040Rollers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Rollers	2040	2040Rollers50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Rollers	2040	2040Rollers120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Rollers	2040	2040Rollers175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Rollers	2040	2040Rollers250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Rollers	2040	2040Rollers500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Rough Terrain Forklifts	1990	1990Rough Terrain Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.87	568.30	0.47	0.01
Rough Terrain Forklifts	1990	1990Rough Terrain Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.79	568.30	0.23	0.01
Rough Terrain Forklifts	1990	1990Rough Terrain Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.76	568.30	0.19	0.01
Rough Terrain Forklifts	1990	1990Rough Terrain Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.76	568.30	0.19	0.01
Rough Terrain Forklifts	1990	1990Rough Terrain Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.66	568.30	0.17	0.01
Rough Terrain Forklifts	2000	2000Rough Terrain Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.40	0.01
Rough Terrain Forklifts	2000	2000Rough Terrain Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.16	0.01
Rough Terrain Forklifts	2000	2000Rough Terrain Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.11	0.01
Rough Terrain Forklifts	2000	2000Rough Terrain Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.09	0.01
Rough Terrain Forklifts	2000	2000Rough Terrain Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.08	0.01
Rough Terrain Forklifts	2005	2005Rough Terrain Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.35	0.01
Rough Terrain Forklifts	2005	2005Rough Terrain Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.14	0.01
Rough Terrain Forklifts	2005	2005Rough Terrain Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.09	0.01
Rough Terrain Forklifts	2005	2005Rough Terrain Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.07	0.01
Rough Terrain Forklifts	2005	2005Rough Terrain Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.06	0.01
Rough Terrain Forklifts	2010	2010Rough Terrain Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	583.83	0.17	0.01
Rough Terrain Forklifts	2010	2010Rough Terrain Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	525.53	0.15	0.01
Rough Terrain Forklifts	2010	2010Rough Terrain Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.00	524.11	0.15	0.01
Rough Terrain Forklifts	2010	2010Rough Terrain Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.00	527.69	0.15	0.01
Rough Terrain Forklifts	2010	2010Rough Terrain Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	518.81	0.15	0.01
Rough Terrain Forklifts	2011	2011Rough Terrain Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	582.38	0.17	0.01
Rough Terrain Forklifts	2011	2011Rough Terrain Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	524.05	0.15	0.01
Rough Terrain Forklifts	2011	2011Rough Terrain Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.00	522.73	0.15	0.01
Rough Terrain Forklifts	2011	2011Rough Terrain Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.00	525.84	0.15	0.01
Rough Terrain Forklifts	2011	2011Rough Terrain Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	517.52	0.15	0.01
Rough Terrain Forklifts	2012	2012Rough Terrain Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	580.92	0.17	0.01
Rough Terrain Forklifts	2012	2012Rough Terrain Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	522.63	0.15	0.01
Rough Terrain Forklifts	2012	2012Rough Terrain Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.00	521.44	0.15	0.01
Rough Terrain Forklifts	2012	2012Rough Terrain Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.00	524.44	0.15	0.01
Rough Terrain Forklifts	2012	2012Rough Terrain Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	516.22	0.15	0.01
Rough Terrain Forklifts	2013	2013Rough Terrain Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	578.26	0.17	0.01
Rough Terrain Forklifts	2013	2013Rough Terrain Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	519.91	0.15	0.01
Rough Terrain Forklifts	2013	2013Rough Terrain Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.00	518.70	0.15	0.01
Rough Terrain Forklifts	2013	2013Rough Terrain Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.00	521.64	0.15	0.01
Rough Terrain Forklifts	2013	2013Rough Terrain Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	514.28	0.15	0.01
Rough Terrain Forklifts	2014	2014Rough Terrain Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	575.35	0.17	0.01
Rough Terrain Forklifts	2014	2014Rough Terrain Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	517.26	0.15	0.01
Rough Terrain Forklifts	2014	2014Rough Terrain Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.00	516.09	0.15	0.01
Rough Terrain Forklifts	2014	2014Rough Terrain Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.00	517.77	0.15	0.01
Rough Terrain Forklifts	2014	2014Rough Terrain Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	511.66	0.15	0.01
Rough Terrain Forklifts	2015	2015Rough Terrain Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	569.49	0.17	0.01
Rough Terrain Forklifts	2015	2015Rough Terrain Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	512.09	0.15	0.01
Rough Terrain Forklifts	2015	2015Rough Terrain Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.00	510.85	0.15	0.01
Rough Terrain Forklifts	2015	2015Rough Terrain Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.00	512.16	0.15	0.01
Rough Terrain Forklifts	2015	2015Rough Terrain Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	506.43	0.15	0.01
Rough Terrain Forklifts	2016	2016Rough Terrain Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	563.36	0.17	0.01
Rough Terrain Forklifts	2016	2016Rough Terrain Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	507.07	0.15	0.01
Rough Terrain Forklifts	2016	2016Rough Terrain Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.00	505.60	0.15	0.01
Rough Terrain Forklifts	2016	2016Rough Terrain Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.00	506.90	0.15	0.01
Rough Terrain Forklifts	2016	2016Rough Terrain Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	501.21	0.15	0.01
Rough Terrain Forklifts	2017	2017Rough Terrain Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	554.62	0.17	0.01
Rough Terrain Forklifts	2017	2017Rough Terrain Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	499.17	0.15	0.01
Rough Terrain Forklifts	2017	2017Rough Terrain Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.00	497.78	0.15	0.01
Rough Terrain Forklifts	2017	2017Rough Terrain Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.00	499.00	0.15	0.01
Rough Terrain Forklifts	2017	2017Rough Terrain Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	493.34	0.15	0.01
Rough Terrain Forklifts	2018	2018Rough Terrain Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	545.87	0.17	0.01
Rough Terrain Forklifts	2018	2018Rough Terrain Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	491.21	0.15	0.01
Rough Terrain Forklifts	2018	2018Rough Terrain Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.00	489.99	0.15	0.01
Rough Terrain Forklifts	2018	2018Rough Terrain Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.00	491.10	0.15	0.01
Rough Terrain Forklifts	2018	2018Rough Terrain Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	485.95	0.15	0.01
Rough Terrain Forklifts	2019	2019Rough Terrain Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	537.33	0.17	0.01
Rough Terrain Forklifts	2019	2019Rough Terrain Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	483.31	0.15	0.01
Rough Terrain Forklifts	2019	2019Rough Terrain Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.00	482.12	0.15	0.01
Rough Terrain Forklifts	2019	2019Rough Terrain Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.00	483.09	0.15	0.01
Rough Terrain Forklifts	2019	2019Rough Terrain Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	477.25	0.15	0.01
Rough Terrain Forklifts	2020	2020Rough Terrain Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	525.62	0.17	0.01
Rough Terrain Forklifts	2020	2020Rough Terrain Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	472.98	0.15	0.01
Rough Terrain Forklifts	2020	2020Rough Terrain Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.00	471.72	0.15	0.01
Rough Terrain Forklifts	2020	2020Rough Terrain Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.00	472.57	0.15	0.01
Rough Terrain Forklifts	2020	2020Rough Terrain Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	465.77	0.15	0.01
Rough Terrain Forklifts	2021	2021Rough Terrain Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	525.38	0.17	0.01
Rough Terrain Forklifts	2021	2021Rough Terrain Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	473.11	0.15	0.01
Rough Terrain Forklifts	2021	2021Rough Terrain Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.00	471.76	0.15	0.01
Rough Terrain Forklifts	2021	2021Rough Terrain Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.00	472.55	0.15	0.01
Rough Terrain Forklifts	2021	2021Rough Terrain Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	465.74	0.15	0.01
Rough Terrain Forklifts	2022	2022Rough Terrain Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	525.02	0.17	0.01
Rough Terrain Forklifts	2022	2022Rough Terrain Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	473.09	0.15	0.01
Rough Terrain Forklifts	2022	2022Rough Terrain Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.00	471.68	0.15	0.01
Rough Terrain Forklifts	2022	2022Rough Terrain Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.00	472.54	0.15	0.01
Rough Terrain Forklifts	2022	2022Rough Terrain Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	466.56	0.15	0.01
Rough Terrain Forklifts	2023	2023Rough Terrain Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	524.80	0.17	0.01
Rough Terrain Forklifts	2023	2023Rough Terrain Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	473.16	0.15	0.01
Rough Terrain Forklifts	2023	2023Rough Terrain Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.00	471.62	0.15	0.01
Rough Terrain Forklifts	2023	2023Rough Terrain Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.00	472.78	0.15	0.01
Rough Terrain Forklifts	2023	2023Rough Terrain Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	466.55	0.15	0.01
Rough Terrain Forklifts	2024	2024Rough Terrain Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	524.92	0.17	0.01
Rough Terrain Forklifts	2024	2024Rough Terrain Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	473.06	0.15	0.01
Rough Terrain Forklifts	2024	2024Rough Terrain Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.00	471.53	0.15	0.01
Rough Terrain Forklifts	2024	2024Rough Terrain Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.00	472.85	0.15	0.01
Rough Terrain Forklifts	2024	2024Rough Terrain Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	466.55	0.15	0.01
Rough Terrain Forklifts	2025	2025Rough Terrain Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	525.03	0.17	0.01
Rough Terrain Forklifts	2025	2025Rough Terrain Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.00	473.04	0.15	0.01
Rough Terrain Forklifts	2025	2025Rough Terrain Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.00	471.47	0.15	0.01
Rough Terrain Forklifts	2025	2025Rough Terrain Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.00	472.93	0.15	0.01
Rough Terrain Forklifts	2025	2025Rough Terrain Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.00	466.54	0.15	0.01

Rough Terrain Forklifts	2030	2030Rough Terrain Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Rough Terrain Forklifts	2030	2030Rough Terrain Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Rough Terrain Forklifts	2030	2030Rough Terrain Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Rough Terrain Forklifts	2030	2030Rough Terrain Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Rough Terrain Forklifts	2030	2030Rough Terrain Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Rough Terrain Forklifts	2035	2035Rough Terrain Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Rough Terrain Forklifts	2035	2035Rough Terrain Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Rough Terrain Forklifts	2035	2035Rough Terrain Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Rough Terrain Forklifts	2035	2035Rough Terrain Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Rough Terrain Forklifts	2035	2035Rough Terrain Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Rough Terrain Forklifts	2040	2040Rough Terrain Forklifts50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Rough Terrain Forklifts	2040	2040Rough Terrain Forklifts120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Rough Terrain Forklifts	2040	2040Rough Terrain Forklifts175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Rough Terrain Forklifts	2040	2040Rough Terrain Forklifts250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Rough Terrain Forklifts	2040	2040Rough Terrain Forklifts500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Rubber Tired Dozers	1990	1990Rubber Tired Dozers175	175	0.06	0.26	2.20	0.01	0.01	0.76	568.30	0.17	0.01
Rubber Tired Dozers	1990	1990Rubber Tired Dozers250	250	0.06	0.26	2.20	0.01	0.01	0.76	568.30	0.17	0.01
Rubber Tired Dozers	1990	1990Rubber Tired Dozers500	500	0.06	0.26	2.20	0.01	0.01	0.66	568.30	0.15	0.01
Rubber Tired Dozers	1990	1990Rubber Tired Dozers750	750	0.06	0.26	2.20	0.01	0.01	1.02	568.30	0.15	0.01
Rubber Tired Dozers	1990	1990Rubber Tired Dozers1000	1000	0.06	2.24	2.60	0.02	0.02	1.02	568.30	0.15	0.01
Rubber Tired Dozers	2000	2000Rubber Tired Dozers175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.13	0.01
Rubber Tired Dozers	2000	2000Rubber Tired Dozers250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.12	0.01
Rubber Tired Dozers	2000	2000Rubber Tired Dozers500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.10	0.01
Rubber Tired Dozers	2000	2000Rubber Tired Dozers750	750	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.10	0.01
Rubber Tired Dozers	2000	2000Rubber Tired Dozers1000	1000	0.06	2.24	2.60	0.02	0.02	0.05	568.30	0.11	0.01
Rubber Tired Dozers	2005	2005Rubber Tired Dozers175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.12	0.01
Rubber Tired Dozers	2005	2005Rubber Tired Dozers250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.10	0.01
Rubber Tired Dozers	2005	2005Rubber Tired Dozers500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.08	0.01
Rubber Tired Dozers	2005	2005Rubber Tired Dozers750	750	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.09	0.01
Rubber Tired Dozers	2005	2005Rubber Tired Dozers1000	1000	0.06	2.24	2.60	0.02	0.02	0.05	568.30	0.09	0.01
Rubber Tired Dozers	2010	2010Rubber Tired Dozers175	175	0.06	0.26	2.20	0.01	0.01	0.00	526.31	0.15	0.01
Rubber Tired Dozers	2010	2010Rubber Tired Dozers250	250	0.06	0.26	2.20	0.01	0.01	0.00	527.91	0.15	0.01
Rubber Tired Dozers	2010	2010Rubber Tired Dozers500	500	0.06	0.26	2.20	0.01	0.01	0.00	533.15	0.16	0.01
Rubber Tired Dozers	2010	2010Rubber Tired Dozers750	750	0.06	0.26	2.20	0.01	0.01	0.00	525.71	0.15	0.01
Rubber Tired Dozers	2010	2010Rubber Tired Dozers1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.07	0.01
Rubber Tired Dozers	2011	2011Rubber Tired Dozers175	175	0.06	0.26	2.20	0.01	0.01	0.00	524.96	0.15	0.01
Rubber Tired Dozers	2011	2011Rubber Tired Dozers250	250	0.06	0.26	2.20	0.01	0.01	0.00	526.60	0.15	0.01
Rubber Tired Dozers	2011	2011Rubber Tired Dozers500	500	0.06	0.26	2.20	0.01	0.01	0.00	532.09	0.16	0.01
Rubber Tired Dozers	2011	2011Rubber Tired Dozers750	750	0.06	0.26	2.20	0.01	0.01	0.00	524.38	0.15	0.01
Rubber Tired Dozers	2011	2011Rubber Tired Dozers1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.07	0.01
Rubber Tired Dozers	2012	2012Rubber Tired Dozers175	175	0.06	0.26	2.20	0.01	0.01	0.00	523.63	0.15	0.01
Rubber Tired Dozers	2012	2012Rubber Tired Dozers250	250	0.06	0.26	2.20	0.01	0.01	0.00	525.28	0.15	0.01
Rubber Tired Dozers	2012	2012Rubber Tired Dozers500	500	0.06	0.26	2.20	0.01	0.01	0.00	530.66	0.16	0.01
Rubber Tired Dozers	2012	2012Rubber Tired Dozers750	750	0.06	0.26	2.20	0.01	0.01	0.00	523.06	0.15	0.01
Rubber Tired Dozers	2012	2012Rubber Tired Dozers1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.07	0.01
Rubber Tired Dozers	2013	2013Rubber Tired Dozers175	175	0.06	0.26	2.20	0.01	0.01	0.00	520.98	0.15	0.01
Rubber Tired Dozers	2013	2013Rubber Tired Dozers250	250	0.06	0.26	2.20	0.01	0.01	0.00	522.65	0.15	0.01
Rubber Tired Dozers	2013	2013Rubber Tired Dozers500	500	0.06	0.26	2.20	0.01	0.01	0.00	527.91	0.16	0.01
Rubber Tired Dozers	2013	2013Rubber Tired Dozers750	750	0.06	0.26	2.20	0.01	0.01	0.00	520.43	0.15	0.01
Rubber Tired Dozers	2013	2013Rubber Tired Dozers1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.07	0.01
Rubber Tired Dozers	2014	2014Rubber Tired Dozers175	175	0.06	0.26	2.20	0.01	0.01	0.00	518.33	0.15	0.01
Rubber Tired Dozers	2014	2014Rubber Tired Dozers250	250	0.06	0.26	2.20	0.01	0.01	0.00	520.01	0.15	0.01
Rubber Tired Dozers	2014	2014Rubber Tired Dozers500	500	0.06	0.26	2.20	0.01	0.01	0.00	524.68	0.16	0.01
Rubber Tired Dozers	2014	2014Rubber Tired Dozers750	750	0.06	0.26	2.20	0.01	0.01	0.00	517.79	0.15	0.01
Rubber Tired Dozers	2014	2014Rubber Tired Dozers1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.06	0.01
Rubber Tired Dozers	2015	2015Rubber Tired Dozers175	175	0.06	0.26	2.20	0.01	0.01	0.00	513.05	0.15	0.01
Rubber Tired Dozers	2015	2015Rubber Tired Dozers250	250	0.06	0.26	2.20	0.01	0.01	0.00	514.74	0.15	0.01
Rubber Tired Dozers	2015	2015Rubber Tired Dozers500	500	0.06	0.26	2.20	0.01	0.01	0.00	519.15	0.15	0.01
Rubber Tired Dozers	2015	2015Rubber Tired Dozers750	750	0.06	0.26	2.20	0.01	0.01	0.00	512.53	0.15	0.01
Rubber Tired Dozers	2015	2015Rubber Tired Dozers1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.06	0.01
Rubber Tired Dozers	2016	2016Rubber Tired Dozers175	175	0.06	0.26	2.20	0.01	0.01	0.00	507.77	0.15	0.01
Rubber Tired Dozers	2016	2016Rubber Tired Dozers250	250	0.06	0.26	2.20	0.01	0.01	0.00	509.46	0.15	0.01
Rubber Tired Dozers	2016	2016Rubber Tired Dozers500	500	0.06	0.26	2.20	0.01	0.01	0.00	513.31	0.15	0.01
Rubber Tired Dozers	2016	2016Rubber Tired Dozers750	750	0.06	0.26	2.20	0.01	0.01	0.00	507.26	0.15	0.01
Rubber Tired Dozers	2016	2016Rubber Tired Dozers1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.06	0.01
Rubber Tired Dozers	2017	2017Rubber Tired Dozers175	175	0.06	0.26	2.20	0.01	0.01	0.00	499.41	0.15	0.01
Rubber Tired Dozers	2017	2017Rubber Tired Dozers250	250	0.06	0.26	2.20	0.01	0.01	0.00	501.55	0.15	0.01
Rubber Tired Dozers	2017	2017Rubber Tired Dozers500	500	0.06	0.26	2.20	0.01	0.01	0.00	505.85	0.15	0.01
Rubber Tired Dozers	2017	2017Rubber Tired Dozers750	750	0.06	0.26	2.20	0.01	0.01	0.00	499.37	0.15	0.01
Rubber Tired Dozers	2017	2017Rubber Tired Dozers1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.05	0.01
Rubber Tired Dozers	2018	2018Rubber Tired Dozers175	175	0.06	0.26	2.20	0.01	0.01	0.00	491.49	0.15	0.01
Rubber Tired Dozers	2018	2018Rubber Tired Dozers250	250	0.06	0.26	2.20	0.01	0.01	0.00	493.63	0.15	0.01
Rubber Tired Dozers	2018	2018Rubber Tired Dozers500	500	0.06	0.26	2.20	0.01	0.01	0.00	498.19	0.16	0.01
Rubber Tired Dozers	2018	2018Rubber Tired Dozers750	750	0.06	0.26	2.20	0.01	0.01	0.00	491.47	0.15	0.01
Rubber Tired Dozers	2018	2018Rubber Tired Dozers1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.05	0.01
Rubber Tired Dozers	2019	2019Rubber Tired Dozers175	175	0.06	0.26	2.20	0.01	0.01	0.00	483.56	0.15	0.01
Rubber Tired Dozers	2019	2019Rubber Tired Dozers250	250	0.06	0.26	2.20	0.01	0.01	0.00	485.17	0.15	0.01
Rubber Tired Dozers	2019	2019Rubber Tired Dozers500	500	0.06	0.26	2.20	0.01	0.01	0.00	490.38	0.16	0.01
Rubber Tired Dozers	2019	2019Rubber Tired Dozers750	750	0.06	0.26	2.20	0.01	0.01	0.00	483.58	0.15	0.01
Rubber Tired Dozers	2019	2019Rubber Tired Dozers1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.05	0.01
Rubber Tired Dozers	2020	2020Rubber Tired Dozers175	175	0.06	0.26	2.20	0.01	0.01	0.00	473.01	0.15	0.01
Rubber Tired Dozers	2020	2020Rubber Tired Dozers250	250	0.06	0.26	2.20	0.01	0.01	0.00	474.79	0.15	0.01
Rubber Tired Dozers	2020	2020Rubber Tired Dozers500	500	0.06	0.26	2.20	0.01	0.01	0.00	479.76	0.16	0.01
Rubber Tired Dozers	2020	2020Rubber Tired Dozers750	750	0.06	0.26	2.20	0.01	0.01	0.00	473.06	0.15	0.01
Rubber Tired Dozers	2020	2020Rubber Tired Dozers1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.05	0.01
Rubber Tired Dozers	2021	2021Rubber Tired Dozers175	175	0.06	0.26	2.20	0.01	0.01	0.00	472.98	0.15	0.01
Rubber Tired Dozers	2021	2021Rubber Tired Dozers250	250	0.06	0.26	2.20	0.01	0.01	0.00	474.80	0.15	0.01
Rubber Tired Dozers	2021	2021Rubber Tired Dozers500	500	0.06	0.26	2.20	0.01	0.01	0.00	478.99	0.15	0.01
Rubber Tired Dozers	2021	2021Rubber Tired Dozers750	750	0.06	0.26	2.20	0.01	0.01	0.00	473.05	0.15	0.01
Rubber Tired Dozers	2021	2021Rubber Tired Dozers1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.04	0.01
Rubber Tired Dozers	2022	2022Rubber Tired Dozers175	175	0.06	0.26	2.20	0.01	0.01	0.00	473.91	0.15	0.01
Rubber Tired Dozers	2022	2022Rubber Tired Dozers250	250	0.06	0.26	2.20	0.01	0.01	0.00	474.62	0.15	0.01
Rubber Tired Dozers	2022	2022Rubber Tired Dozers500	500	0.06	0.26	2.20	0.01	0.01	0.00	479.31	0.16	0.01
Rubber Tired Dozers	2022	2022Rubber Tired Dozers750	750	0.06	0.26	2.20	0.01	0.01	0.00	473.04	0.15	0.01
Rubber Tired Dozers	2022	2022Rubber Tired Dozers1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.04	0.01
Rubber Tired Dozers	2023	2023Rubber Tired Dozers175	175	0.06	0.26	2.20	0.01	0.01	0.00	473.90	0.15	0.01
Rubber Tired Dozers	2023	2023Rubber Tired Dozers250	250	0.06	0.26	2.20	0.01	0.01	0.00	474.60	0.15	0.01
Rubber Tired Dozers	2023	2023Rubber Tired Dozers500	500	0.06	0.26	2.20	0.01	0.01	0.00	479.47	0.16	0.01
Rubber Tired Dozers	2023	2023Rubber Tired Dozers750	750	0.06	0.26	2.20	0.01	0.01	0.00	473.02	0.15	0.01
Rubber Tired Dozers	2023	2023Rubber Tired Dozers1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.04	0.01
Rubber Tired Dozers	2024	2024Rubber Tired Dozers175	175	0.06	0.26	2.20	0.01	0.01	0.00	473.51	0.15	0.01
Rubber Tired Dozers	2024	2024Rubber Tired Dozers250	250	0.06	0.26	2.20	0.01	0.01	0.00	474.59	0.15	0.01
Rubber Tired Dozers	2024	2024Rubber Tired Dozers500	500	0.06	0.26	2.20	0.01	0.01	0.00	479.39	0.16	0.01
Rubber Tired Dozers	2024	2024Rubber Tired Dozers750	750	0.06	0.26	2.20	0.01	0.01	0.00	473.01	0.15	0.01
Rubber Tired Dozers	2024	2024Rubber Tired Dozers1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.04	0.01
Rubber Tired Dozers	2025	2025Rubber Tired Dozers175	175	0.06	0.26	2.20	0.01	0.01	0.00	474.10	0.15	0.01
Rubber Tired Dozers	2025	2025Rubber Tired Dozers250	250	0.06	0.26	2.20	0.01	0.01	0.00	474.57	0.15	0.01
Rubber Tired Dozers	2025	2025Rubber Tired Dozers500	500	0.06	0.26	2.20	0.01	0.01	0.00	479.09	0.15	0.01
Rubber Tired Dozers	2025	2025Rubber Tired Dozers750	750	0.06	0.26	2.20	0.01	0.01	0.00	473.00	0.15	0.01
Rubber Tired Dozers	2025	2025Rubber Tired Dozers1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.04	0.01
Rubber Tired Dozers	2030	2030Rubber Tired Dozers175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Rubber Tired Dozers	2030	2030Rubber Tired Dozers250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Rubber Tired Dozers	2030	2030Rubber Tired Dozers500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Rubber Tired Dozers	2030	2030Rubber Tired Dozers750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Rubber Tired Dozers	2030	2030Rubber Tired Dozers1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.03	0.01
Rubber Tired Dozers	2035	2035Rubber Tired Dozers175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Rubber Tired Dozers	2035	2035Rubber Tired Dozers250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Rubber Tired Dozers	2035	2035Rubber Tired Dozers500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Rubber Tired Dozers	2035	2035Rubber Tired Dozers750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Rubber Tired Dozers	2035	2035Rubber Tired Dozers1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.03	0.01
Rubber Tired Dozers	2040	2040Rubber Tired Dozers175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Rubber Tired Dozers	2040	2040Rubber Tired Dozers250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Rubber Tired Dozers	2040	2040Rubber Tired Dozers500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Rubber Tired Dozers	2040	2040Rubber Tired Dozers750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Rubber Tired Dozers	2040	2040Rubber Tired Dozers1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.02	0.01
Rubber Tired Loaders	1990	1990Rubber Tired Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.86	568.30	0.20	0.01
Rubber Tired Loaders	1990	1990Rubber Tired Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.87	568.30	0.44	0.01
Rubber Tired Loaders	1990	1990Rubber Tired Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.79	568.30	0.21	0.01
Rubber Tired Loaders	1990	1990Rubber Tired Loaders175	175	0.06	0.26	2.20	0.01	0.01	0.76	568.30	0.16	0.01
Rubber Tired Loaders	1990	1990Rubber Tired Loaders250	250	0.06	0.26	2.20	0.01	0.01	0.76	568.30	0.16	0.01
Rubber Tired Loaders	1990	1990Rubber Tired Loaders500	500	0.06	0.26	2.20	0.01	0.01	0.66	568.30	0.14	0.01
Rubber Tired Loaders	1990	1990Rubber Tired Loaders750	750	0.06	0.26	2.20	0.01	0.01	1.02	568.30	0.14	0.01
Rubber Tired Loaders	1990	1990Rubber Tired Loaders1000	1000	0.06	2.24	2.60	0.02	0.02	1.02	568.30	0.14	0.01
Rubber Tired Loaders	2000	2000Rubber Tired Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.07	568.30	0.17	0.01
Rubber Tired Loaders	2000	2000Rubber Tired Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.40	0.01
Rubber Tired Loaders	2000	2000Rubber Tired Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.17	0.01
Rubber Tired Loaders	2000	2000Rubber Tired Loaders175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.11	0.01
Rubber Tired Loaders	2000	2000Rubber Tired Loaders250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.09	0.01
Rubber Tired Loaders	2000	2000Rubber Tired Loaders500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.09	0.01
Rubber Tired Loaders	2000	2000Rubber Tired Loaders750	750	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.09	0.01
Rubber Tired Loaders	2000	2000Rubber Tired Loaders1000	1000	0.06	2.24	2.60	0.02	0.02	0.05	568.30	0.09	0.01
Rubber Tired Loaders	2005	2005Rubber Tired Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.07	568.30	0.08	0.01

Rubber Tired Loaders	2005	2005Rubber Tired Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.36	0.01
Rubber Tired Loaders	2005	2005Rubber Tired Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.15	0.01
Rubber Tired Loaders	2005	2005Rubber Tired Loaders175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.09	0.01
Rubber Tired Loaders	2005	2005Rubber Tired Loaders250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.07	0.01
Rubber Tired Loaders	2005	2005Rubber Tired Loaders500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.06	0.01
Rubber Tired Loaders	2005	2005Rubber Tired Loaders750	750	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.06	0.01
Rubber Tired Loaders	2005	2005Rubber Tired Loaders1000	1000	0.06	2.24	2.60	0.02	0.02	0.05	568.30	0.07	0.01
Rubber Tired Loaders	2010	2010Rubber Tired Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.01	582.00	0.17	0.01
Rubber Tired Loaders	2010	2010Rubber Tired Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.01	582.00	0.17	0.01
Rubber Tired Loaders	2010	2010Rubber Tired Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.00	519.50	0.15	0.01
Rubber Tired Loaders	2010	2010Rubber Tired Loaders175	175	0.06	0.26	2.20	0.01	0.01	0.00	523.90	0.15	0.01
Rubber Tired Loaders	2010	2010Rubber Tired Loaders250	250	0.06	0.26	2.20	0.01	0.01	0.00	522.35	0.15	0.01
Rubber Tired Loaders	2010	2010Rubber Tired Loaders500	500	0.06	0.26	2.20	0.01	0.01	0.00	521.88	0.15	0.01
Rubber Tired Loaders	2010	2010Rubber Tired Loaders750	750	0.06	0.26	2.20	0.01	0.01	0.00	507.29	0.15	0.01
Rubber Tired Loaders	2010	2010Rubber Tired Loaders1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	523.25	0.15	0.01
Rubber Tired Loaders	2011	2011Rubber Tired Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.01	581.43	0.17	0.01
Rubber Tired Loaders	2011	2011Rubber Tired Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.01	581.43	0.17	0.01
Rubber Tired Loaders	2011	2011Rubber Tired Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.00	517.94	0.15	0.01
Rubber Tired Loaders	2011	2011Rubber Tired Loaders175	175	0.06	0.26	2.20	0.01	0.01	0.00	522.53	0.15	0.01
Rubber Tired Loaders	2011	2011Rubber Tired Loaders250	250	0.06	0.26	2.20	0.01	0.01	0.00	520.97	0.15	0.01
Rubber Tired Loaders	2011	2011Rubber Tired Loaders500	500	0.06	0.26	2.20	0.01	0.01	0.00	520.15	0.15	0.01
Rubber Tired Loaders	2011	2011Rubber Tired Loaders750	750	0.06	0.26	2.20	0.01	0.01	0.00	505.88	0.15	0.01
Rubber Tired Loaders	2011	2011Rubber Tired Loaders1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	521.92	0.15	0.01
Rubber Tired Loaders	2012	2012Rubber Tired Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.01	579.98	0.17	0.01
Rubber Tired Loaders	2012	2012Rubber Tired Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.01	579.98	0.17	0.01
Rubber Tired Loaders	2012	2012Rubber Tired Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.00	516.62	0.15	0.01
Rubber Tired Loaders	2012	2012Rubber Tired Loaders175	175	0.06	0.26	2.20	0.01	0.01	0.00	521.10	0.15	0.01
Rubber Tired Loaders	2012	2012Rubber Tired Loaders250	250	0.06	0.26	2.20	0.01	0.01	0.00	519.65	0.15	0.01
Rubber Tired Loaders	2012	2012Rubber Tired Loaders500	500	0.06	0.26	2.20	0.01	0.01	0.00	518.72	0.15	0.01
Rubber Tired Loaders	2012	2012Rubber Tired Loaders750	750	0.06	0.26	2.20	0.01	0.01	0.00	504.68	0.15	0.01
Rubber Tired Loaders	2012	2012Rubber Tired Loaders1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	520.59	0.15	0.01
Rubber Tired Loaders	2013	2013Rubber Tired Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.01	577.02	0.17	0.01
Rubber Tired Loaders	2013	2013Rubber Tired Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.01	577.02	0.17	0.01
Rubber Tired Loaders	2013	2013Rubber Tired Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.00	513.94	0.15	0.01
Rubber Tired Loaders	2013	2013Rubber Tired Loaders175	175	0.06	0.26	2.20	0.01	0.01	0.00	518.38	0.15	0.01
Rubber Tired Loaders	2013	2013Rubber Tired Loaders250	250	0.06	0.26	2.20	0.01	0.01	0.00	516.97	0.15	0.01
Rubber Tired Loaders	2013	2013Rubber Tired Loaders500	500	0.06	0.26	2.20	0.01	0.01	0.00	515.94	0.15	0.01
Rubber Tired Loaders	2013	2013Rubber Tired Loaders750	750	0.06	0.26	2.20	0.01	0.01	0.00	502.86	0.15	0.01
Rubber Tired Loaders	2013	2013Rubber Tired Loaders1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	517.95	0.15	0.01
Rubber Tired Loaders	2014	2014Rubber Tired Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.01	573.52	0.17	0.01
Rubber Tired Loaders	2014	2014Rubber Tired Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.01	573.52	0.17	0.01
Rubber Tired Loaders	2014	2014Rubber Tired Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.00	510.01	0.15	0.01
Rubber Tired Loaders	2014	2014Rubber Tired Loaders175	175	0.06	0.26	2.20	0.01	0.01	0.00	515.77	0.15	0.01
Rubber Tired Loaders	2014	2014Rubber Tired Loaders250	250	0.06	0.26	2.20	0.01	0.01	0.00	514.22	0.15	0.01
Rubber Tired Loaders	2014	2014Rubber Tired Loaders500	500	0.06	0.26	2.20	0.01	0.01	0.00	512.51	0.15	0.01
Rubber Tired Loaders	2014	2014Rubber Tired Loaders750	750	0.06	0.26	2.20	0.01	0.01	0.00	499.70	0.15	0.01
Rubber Tired Loaders	2014	2014Rubber Tired Loaders1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	515.31	0.15	0.01
Rubber Tired Loaders	2015	2015Rubber Tired Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.01	567.67	0.17	0.01
Rubber Tired Loaders	2015	2015Rubber Tired Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.01	567.67	0.17	0.01
Rubber Tired Loaders	2015	2015Rubber Tired Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.00	505.02	0.15	0.01
Rubber Tired Loaders	2015	2015Rubber Tired Loaders175	175	0.06	0.26	2.20	0.01	0.01	0.00	510.47	0.15	0.01
Rubber Tired Loaders	2015	2015Rubber Tired Loaders250	250	0.06	0.26	2.20	0.01	0.01	0.00	508.91	0.15	0.01
Rubber Tired Loaders	2015	2015Rubber Tired Loaders500	500	0.06	0.26	2.20	0.01	0.01	0.00	506.37	0.15	0.01
Rubber Tired Loaders	2015	2015Rubber Tired Loaders750	750	0.06	0.26	2.20	0.01	0.01	0.00	495.31	0.15	0.01
Rubber Tired Loaders	2015	2015Rubber Tired Loaders1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	510.04	0.15	0.01
Rubber Tired Loaders	2016	2016Rubber Tired Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.01	561.90	0.17	0.01
Rubber Tired Loaders	2016	2016Rubber Tired Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.01	561.90	0.17	0.01
Rubber Tired Loaders	2016	2016Rubber Tired Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.00	499.59	0.15	0.01
Rubber Tired Loaders	2016	2016Rubber Tired Loaders175	175	0.06	0.26	2.20	0.01	0.01	0.00	505.13	0.15	0.01
Rubber Tired Loaders	2016	2016Rubber Tired Loaders250	250	0.06	0.26	2.20	0.01	0.01	0.00	503.65	0.15	0.01
Rubber Tired Loaders	2016	2016Rubber Tired Loaders500	500	0.06	0.26	2.20	0.01	0.01	0.00	500.43	0.15	0.01
Rubber Tired Loaders	2016	2016Rubber Tired Loaders750	750	0.06	0.26	2.20	0.01	0.01	0.00	491.92	0.15	0.01
Rubber Tired Loaders	2016	2016Rubber Tired Loaders1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	504.78	0.15	0.01
Rubber Tired Loaders	2017	2017Rubber Tired Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.01	553.58	0.17	0.01
Rubber Tired Loaders	2017	2017Rubber Tired Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.01	553.58	0.17	0.01
Rubber Tired Loaders	2017	2017Rubber Tired Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.00	491.85	0.15	0.01
Rubber Tired Loaders	2017	2017Rubber Tired Loaders175	175	0.06	0.26	2.20	0.01	0.01	0.00	497.35	0.15	0.01
Rubber Tired Loaders	2017	2017Rubber Tired Loaders250	250	0.06	0.26	2.20	0.01	0.01	0.00	495.95	0.15	0.01
Rubber Tired Loaders	2017	2017Rubber Tired Loaders500	500	0.06	0.26	2.20	0.01	0.01	0.00	492.28	0.15	0.01
Rubber Tired Loaders	2017	2017Rubber Tired Loaders750	750	0.06	0.26	2.20	0.01	0.01	0.00	484.37	0.15	0.01
Rubber Tired Loaders	2017	2017Rubber Tired Loaders1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	496.90	0.15	0.01
Rubber Tired Loaders	2018	2018Rubber Tired Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.01	545.05	0.17	0.01
Rubber Tired Loaders	2018	2018Rubber Tired Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.01	545.05	0.17	0.01
Rubber Tired Loaders	2018	2018Rubber Tired Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.00	484.09	0.15	0.01
Rubber Tired Loaders	2018	2018Rubber Tired Loaders175	175	0.06	0.26	2.20	0.01	0.01	0.00	489.51	0.15	0.01
Rubber Tired Loaders	2018	2018Rubber Tired Loaders250	250	0.06	0.26	2.20	0.01	0.01	0.00	487.90	0.15	0.01
Rubber Tired Loaders	2018	2018Rubber Tired Loaders500	500	0.06	0.26	2.20	0.01	0.01	0.00	484.57	0.15	0.01
Rubber Tired Loaders	2018	2018Rubber Tired Loaders750	750	0.06	0.26	2.20	0.01	0.01	0.00	476.57	0.15	0.01
Rubber Tired Loaders	2018	2018Rubber Tired Loaders1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	488.40	0.15	0.01
Rubber Tired Loaders	2019	2019Rubber Tired Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.01	536.23	0.17	0.01
Rubber Tired Loaders	2019	2019Rubber Tired Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.01	536.23	0.17	0.01
Rubber Tired Loaders	2019	2019Rubber Tired Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.00	475.86	0.15	0.01
Rubber Tired Loaders	2019	2019Rubber Tired Loaders175	175	0.06	0.26	2.20	0.01	0.01	0.00	481.74	0.15	0.01
Rubber Tired Loaders	2019	2019Rubber Tired Loaders250	250	0.06	0.26	2.20	0.01	0.01	0.00	480.10	0.15	0.01
Rubber Tired Loaders	2019	2019Rubber Tired Loaders500	500	0.06	0.26	2.20	0.01	0.01	0.00	477.04	0.15	0.01
Rubber Tired Loaders	2019	2019Rubber Tired Loaders750	750	0.06	0.26	2.20	0.01	0.01	0.00	471.19	0.15	0.01
Rubber Tired Loaders	2019	2019Rubber Tired Loaders1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	480.52	0.15	0.01
Rubber Tired Loaders	2020	2020Rubber Tired Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.01	524.70	0.17	0.01
Rubber Tired Loaders	2020	2020Rubber Tired Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.01	524.70	0.17	0.01
Rubber Tired Loaders	2020	2020Rubber Tired Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.00	465.67	0.15	0.01
Rubber Tired Loaders	2020	2020Rubber Tired Loaders175	175	0.06	0.26	2.20	0.01	0.01	0.00	471.21	0.15	0.01
Rubber Tired Loaders	2020	2020Rubber Tired Loaders250	250	0.06	0.26	2.20	0.01	0.01	0.00	469.51	0.15	0.01
Rubber Tired Loaders	2020	2020Rubber Tired Loaders500	500	0.06	0.26	2.20	0.01	0.01	0.00	466.78	0.15	0.01
Rubber Tired Loaders	2020	2020Rubber Tired Loaders750	750	0.06	0.26	2.20	0.01	0.01	0.00	462.19	0.15	0.01
Rubber Tired Loaders	2020	2020Rubber Tired Loaders1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	469.94	0.15	0.01
Rubber Tired Loaders	2021	2021Rubber Tired Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.01	524.55	0.17	0.01
Rubber Tired Loaders	2021	2021Rubber Tired Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.01	524.55	0.17	0.01
Rubber Tired Loaders	2021	2021Rubber Tired Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.00	466.42	0.15	0.01
Rubber Tired Loaders	2021	2021Rubber Tired Loaders175	175	0.06	0.26	2.20	0.01	0.01	0.00	471.08	0.15	0.01
Rubber Tired Loaders	2021	2021Rubber Tired Loaders250	250	0.06	0.26	2.20	0.01	0.01	0.00	469.56	0.15	0.01
Rubber Tired Loaders	2021	2021Rubber Tired Loaders500	500	0.06	0.26	2.20	0.01	0.01	0.00	467.93	0.15	0.01
Rubber Tired Loaders	2021	2021Rubber Tired Loaders750	750	0.06	0.26	2.20	0.01	0.01	0.00	462.05	0.15	0.01
Rubber Tired Loaders	2021	2021Rubber Tired Loaders1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	471.26	0.15	0.01
Rubber Tired Loaders	2022	2022Rubber Tired Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.01	524.79	0.17	0.01
Rubber Tired Loaders	2022	2022Rubber Tired Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.01	524.79	0.17	0.01
Rubber Tired Loaders	2022	2022Rubber Tired Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.00	466.49	0.15	0.01
Rubber Tired Loaders	2022	2022Rubber Tired Loaders175	175	0.06	0.26	2.20	0.01	0.01	0.00	470.93	0.15	0.01
Rubber Tired Loaders	2022	2022Rubber Tired Loaders250	250	0.06	0.26	2.20	0.01	0.01	0.00	469.90	0.15	0.01
Rubber Tired Loaders	2022	2022Rubber Tired Loaders500	500	0.06	0.26	2.20	0.01	0.01	0.00	468.13	0.15	0.01
Rubber Tired Loaders	2022	2022Rubber Tired Loaders750	750	0.06	0.26	2.20	0.01	0.01	0.00	463.82	0.15	0.01
Rubber Tired Loaders	2022	2022Rubber Tired Loaders1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	472.86	0.15	0.01
Rubber Tired Loaders	2023	2023Rubber Tired Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.01	524.30	0.17	0.01
Rubber Tired Loaders	2023	2023Rubber Tired Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.01	524.30	0.17	0.01
Rubber Tired Loaders	2023	2023Rubber Tired Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.00	466.56	0.15	0.01
Rubber Tired Loaders	2023	2023Rubber Tired Loaders175	175	0.06	0.26	2.20	0.01	0.01	0.00	470.66	0.15	0.01
Rubber Tired Loaders	2023	2023Rubber Tired Loaders250	250	0.06	0.26	2.20	0.01	0.01	0.00	469.82	0.15	0.01
Rubber Tired Loaders	2023	2023Rubber Tired Loaders500	500	0.06	0.26	2.20	0.01	0.01	0.00	468.47	0.15	0.01
Rubber Tired Loaders	2023	2023Rubber Tired Loaders750	750	0.06	0.26	2.20	0.01	0.01	0.00	464.56	0.15	0.01
Rubber Tired Loaders	2023	2023Rubber Tired Loaders1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	472.30	0.15	0.01
Rubber Tired Loaders	2024	2024Rubber Tired Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.01	524.23	0.17	0.01
Rubber Tired Loaders	2024	2024Rubber Tired Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.01	524.23	0.17	0.01
Rubber Tired Loaders	2024	2024Rubber Tired Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.00	466.81	0.15	0.01
Rubber Tired Loaders	2024	2024Rubber Tired Loaders175	175	0.06	0.26	2.20	0.01	0.01	0.00	470.36	0.15	0.01
Rubber Tired Loaders	2024	2024Rubber Tired Loaders250	250	0.06	0.26	2.20	0.01	0.01	0.00	469.79	0.15	0.01
Rubber Tired Loaders	2024	2024Rubber Tired Loaders500	500	0.06	0.26	2.20	0.01	0.01	0.00	468.51	0.15	0.01
Rubber Tired Loaders	2024	2024Rubber Tired Loaders750	750	0.06	0.26	2.20	0.01	0.01	0.00	464.87	0.15	0.01
Rubber Tired Loaders	2024	2024Rubber Tired Loaders1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	472.35	0.15	0.01
Rubber Tired Loaders	2025	2025Rubber Tired Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.01	523.91	0.17	0.01
Rubber Tired Loaders	2025	2025Rubber Tired Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.01	523.91	0.17	0.01
Rubber Tired Loaders	2025	2025Rubber Tired Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.00	466.90	0.15	0.01
Rubber Tired Loaders	2025	2025Rubber Tired Loaders175	175	0.06	0.26	2.20	0.01	0.01	0.00	470.46	0.15	0.01
Rubber Tired Loaders	2025	2025Rubber Tired Loaders250	250	0.06	0.26	2.20	0.01	0.01	0.00	469.87	0.15	0.01
Rubber Tired Loaders	2025	2025Rubber Tired Loaders500	500	0.06	0.26	2.20	0.01	0.01	0.00	469.14	0.15	0.01
Rubber Tired Loaders	2025	2025Rubber Tired Loaders750	750	0.06	0.26	2.20	0.01	0.01	0.00	465.05	0.15	0.01
Rubber Tired Loaders	2025	2025Rubber Tired Loaders1000	1000	0.06	2.24	2.60	0.02	0.02	0.00	472.46	0.15	0.01
Rubber Tired Loaders	2030	2030Rubber Tired Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Rubber Tired Loaders	2030	2030Rubber Tired Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.06	0.01
Rubber Tired Loaders	2030	2030Rubber Tired Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Rubber Tired Loaders	2030	2030Rubber Tired Loaders175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Rubber Tired Loaders	2030	2030Rubber Tired Loaders250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Rubber Tired Loaders	2030	2030Rubber Tired Loaders500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Rubber Tired Loaders	2030	2030Rubber Tired Loaders750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01

Rubber Tired Loaders	2030	2030Rubber Tired Loaders1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.02	0.01
Rubber Tired Loaders	2035	2035Rubber Tired Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Rubber Tired Loaders	2035	2035Rubber Tired Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Rubber Tired Loaders	2035	2035Rubber Tired Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Rubber Tired Loaders	2035	2035Rubber Tired Loaders175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Rubber Tired Loaders	2035	2035Rubber Tired Loaders250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Rubber Tired Loaders	2035	2035Rubber Tired Loaders500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Rubber Tired Loaders	2035	2035Rubber Tired Loaders750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Rubber Tired Loaders	2035	2035Rubber Tired Loaders1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.02	0.01
Rubber Tired Loaders	2040	2040Rubber Tired Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Rubber Tired Loaders	2040	2040Rubber Tired Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Rubber Tired Loaders	2040	2040Rubber Tired Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Rubber Tired Loaders	2040	2040Rubber Tired Loaders175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Rubber Tired Loaders	2040	2040Rubber Tired Loaders250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Rubber Tired Loaders	2040	2040Rubber Tired Loaders500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Rubber Tired Loaders	2040	2040Rubber Tired Loaders750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Rubber Tired Loaders	2040	2040Rubber Tired Loaders1000	1000	0.06	2.24	2.60	0.02	0.02	0.01	568.30	0.02	0.01
Scrapers	1990	1990Scrapers120	120	0.06	0.26	3.70	0.01	0.01	0.79	568.30	0.22	0.01
Scrapers	1990	1990Scrapers175	175	0.06	0.26	2.20	0.01	0.01	0.76	568.30	0.16	0.01
Scrapers	1990	1990Scrapers250	250	0.06	0.26	2.20	0.01	0.01	0.76	568.30	0.16	0.01
Scrapers	1990	1990Scrapers500	500	0.06	0.26	2.20	0.01	0.01	0.66	568.30	0.15	0.01
Scrapers	1990	1990Scrapers750	750	0.06	0.26	2.20	0.01	0.01	1.02	568.30	0.15	0.01
Scrapers	2000	2000Scrapers120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.18	0.01
Scrapers	2000	2000Scrapers175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.12	0.01
Scrapers	2000	2000Scrapers250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.11	0.01
Scrapers	2000	2000Scrapers500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.10	0.01
Scrapers	2000	2000Scrapers750	750	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.10	0.01
Scrapers	2005	2005Scrapers120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.16	0.01
Scrapers	2005	2005Scrapers175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.11	0.01
Scrapers	2005	2005Scrapers250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.08	0.01
Scrapers	2005	2005Scrapers500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.07	0.01
Scrapers	2005	2005Scrapers750	750	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.07	0.01
Scrapers	2010	2010Scrapers120	120	0.06	0.26	3.70	0.01	0.01	0.00	537.91	0.16	0.01
Scrapers	2010	2010Scrapers175	175	0.06	0.26	2.20	0.01	0.01	0.00	532.55	0.16	0.01
Scrapers	2010	2010Scrapers250	250	0.06	0.26	2.20	0.01	0.01	0.00	520.94	0.15	0.01
Scrapers	2010	2010Scrapers500	500	0.06	0.26	2.20	0.01	0.01	0.00	525.16	0.15	0.01
Scrapers	2010	2010Scrapers750	750	0.06	0.26	2.20	0.01	0.01	0.00	525.52	0.15	0.01
Scrapers	2011	2011Scrapers120	120	0.06	0.26	3.70	0.01	0.01	0.00	536.47	0.16	0.01
Scrapers	2011	2011Scrapers175	175	0.06	0.26	2.20	0.01	0.01	0.00	531.18	0.16	0.01
Scrapers	2011	2011Scrapers250	250	0.06	0.26	2.20	0.01	0.01	0.00	519.67	0.15	0.01
Scrapers	2011	2011Scrapers500	500	0.06	0.26	2.20	0.01	0.01	0.00	523.91	0.15	0.01
Scrapers	2011	2011Scrapers750	750	0.06	0.26	2.20	0.01	0.01	0.00	524.12	0.15	0.01
Scrapers	2012	2012Scrapers120	120	0.06	0.26	3.70	0.01	0.01	0.00	535.12	0.16	0.01
Scrapers	2012	2012Scrapers175	175	0.06	0.26	2.20	0.01	0.01	0.00	529.82	0.15	0.01
Scrapers	2012	2012Scrapers250	250	0.06	0.26	2.20	0.01	0.01	0.00	518.37	0.15	0.01
Scrapers	2012	2012Scrapers500	500	0.06	0.26	2.20	0.01	0.01	0.00	522.68	0.15	0.01
Scrapers	2012	2012Scrapers750	750	0.06	0.26	2.20	0.01	0.01	0.00	522.76	0.15	0.01
Scrapers	2013	2013Scrapers120	120	0.06	0.26	3.70	0.01	0.01	0.00	532.41	0.16	0.01
Scrapers	2013	2013Scrapers175	175	0.06	0.26	2.20	0.01	0.01	0.00	527.08	0.15	0.01
Scrapers	2013	2013Scrapers250	250	0.06	0.26	2.20	0.01	0.01	0.00	515.76	0.15	0.01
Scrapers	2013	2013Scrapers500	500	0.06	0.26	2.20	0.01	0.01	0.00	520.09	0.15	0.01
Scrapers	2013	2013Scrapers750	750	0.06	0.26	2.20	0.01	0.01	0.00	520.10	0.15	0.01
Scrapers	2014	2014Scrapers120	120	0.06	0.26	3.70	0.01	0.01	0.00	529.94	0.16	0.01
Scrapers	2014	2014Scrapers175	175	0.06	0.26	2.20	0.01	0.01	0.00	524.17	0.15	0.01
Scrapers	2014	2014Scrapers250	250	0.06	0.26	2.20	0.01	0.01	0.00	512.85	0.15	0.01
Scrapers	2014	2014Scrapers500	500	0.06	0.26	2.20	0.01	0.01	0.00	517.36	0.15	0.01
Scrapers	2014	2014Scrapers750	750	0.06	0.26	2.20	0.01	0.01	0.00	517.39	0.15	0.01
Scrapers	2015	2015Scrapers120	120	0.06	0.26	3.70	0.01	0.01	0.00	524.56	0.16	0.01
Scrapers	2015	2015Scrapers175	175	0.06	0.26	2.20	0.01	0.01	0.00	518.83	0.15	0.01
Scrapers	2015	2015Scrapers250	250	0.06	0.26	2.20	0.01	0.01	0.00	507.57	0.15	0.01
Scrapers	2015	2015Scrapers500	500	0.06	0.26	2.20	0.01	0.01	0.00	511.95	0.15	0.01
Scrapers	2015	2015Scrapers750	750	0.06	0.26	2.20	0.01	0.01	0.00	512.08	0.15	0.01
Scrapers	2016	2016Scrapers120	120	0.06	0.26	3.70	0.01	0.01	0.00	519.17	0.16	0.01
Scrapers	2016	2016Scrapers175	175	0.06	0.26	2.20	0.01	0.01	0.00	513.44	0.15	0.01
Scrapers	2016	2016Scrapers250	250	0.06	0.26	2.20	0.01	0.01	0.00	502.25	0.15	0.01
Scrapers	2016	2016Scrapers500	500	0.06	0.26	2.20	0.01	0.01	0.00	506.35	0.15	0.01
Scrapers	2016	2016Scrapers750	750	0.06	0.26	2.20	0.01	0.01	0.00	506.64	0.15	0.01
Scrapers	2017	2017Scrapers120	120	0.06	0.26	3.70	0.01	0.01	0.00	511.11	0.16	0.01
Scrapers	2017	2017Scrapers175	175	0.06	0.26	2.20	0.01	0.01	0.00	505.33	0.15	0.01
Scrapers	2017	2017Scrapers250	250	0.06	0.26	2.20	0.01	0.01	0.00	494.52	0.15	0.01
Scrapers	2017	2017Scrapers500	500	0.06	0.26	2.20	0.01	0.01	0.00	498.46	0.15	0.01
Scrapers	2017	2017Scrapers750	750	0.06	0.26	2.20	0.01	0.01	0.00	498.69	0.15	0.01
Scrapers	2018	2018Scrapers120	120	0.06	0.26	3.70	0.01	0.01	0.00	502.83	0.16	0.01
Scrapers	2018	2018Scrapers175	175	0.06	0.26	2.20	0.01	0.01	0.00	497.34	0.15	0.01
Scrapers	2018	2018Scrapers250	250	0.06	0.26	2.20	0.01	0.01	0.00	486.99	0.15	0.01
Scrapers	2018	2018Scrapers500	500	0.06	0.26	2.20	0.01	0.01	0.00	490.77	0.15	0.01
Scrapers	2018	2018Scrapers750	750	0.06	0.26	2.20	0.01	0.01	0.00	490.58	0.15	0.01
Scrapers	2019	2019Scrapers120	120	0.06	0.26	3.70	0.01	0.01	0.00	494.10	0.16	0.01
Scrapers	2019	2019Scrapers175	175	0.06	0.26	2.20	0.01	0.01	0.00	489.25	0.15	0.01
Scrapers	2019	2019Scrapers250	250	0.06	0.26	2.20	0.01	0.01	0.00	479.03	0.15	0.01
Scrapers	2019	2019Scrapers500	500	0.06	0.26	2.20	0.01	0.01	0.00	482.73	0.15	0.01
Scrapers	2019	2019Scrapers750	750	0.06	0.26	2.20	0.01	0.01	0.00	482.60	0.15	0.01
Scrapers	2020	2020Scrapers120	120	0.06	0.26	3.70	0.01	0.01	0.00	483.74	0.16	0.01
Scrapers	2020	2020Scrapers175	175	0.06	0.26	2.20	0.01	0.01	0.00	478.61	0.15	0.01
Scrapers	2020	2020Scrapers250	250	0.06	0.26	2.20	0.01	0.01	0.00	468.99	0.15	0.01
Scrapers	2020	2020Scrapers500	500	0.06	0.26	2.20	0.01	0.01	0.00	472.18	0.15	0.01
Scrapers	2020	2020Scrapers750	750	0.06	0.26	2.20	0.01	0.01	0.00	471.78	0.15	0.01
Scrapers	2021	2021Scrapers120	120	0.06	0.26	3.70	0.01	0.01	0.00	483.71	0.16	0.01
Scrapers	2021	2021Scrapers175	175	0.06	0.26	2.20	0.01	0.01	0.00	478.65	0.15	0.01
Scrapers	2021	2021Scrapers250	250	0.06	0.26	2.20	0.01	0.01	0.00	469.13	0.15	0.01
Scrapers	2021	2021Scrapers500	500	0.06	0.26	2.20	0.01	0.01	0.00	472.46	0.15	0.01
Scrapers	2021	2021Scrapers750	750	0.06	0.26	2.20	0.01	0.01	0.00	471.79	0.15	0.01
Scrapers	2022	2022Scrapers120	120	0.06	0.26	3.70	0.01	0.01	0.00	483.45	0.16	0.01
Scrapers	2022	2022Scrapers175	175	0.06	0.26	2.20	0.01	0.01	0.00	478.74	0.15	0.01
Scrapers	2022	2022Scrapers250	250	0.06	0.26	2.20	0.01	0.01	0.00	469.27	0.15	0.01
Scrapers	2022	2022Scrapers500	500	0.06	0.26	2.20	0.01	0.01	0.00	473.23	0.15	0.01
Scrapers	2022	2022Scrapers750	750	0.06	0.26	2.20	0.01	0.01	0.00	471.28	0.15	0.01
Scrapers	2023	2023Scrapers120	120	0.06	0.26	3.70	0.01	0.01	0.00	483.03	0.16	0.01
Scrapers	2023	2023Scrapers175	175	0.06	0.26	2.20	0.01	0.01	0.00	478.68	0.15	0.01
Scrapers	2023	2023Scrapers250	250	0.06	0.26	2.20	0.01	0.01	0.00	469.56	0.15	0.01
Scrapers	2023	2023Scrapers500	500	0.06	0.26	2.20	0.01	0.01	0.00	473.18	0.15	0.01
Scrapers	2023	2023Scrapers750	750	0.06	0.26	2.20	0.01	0.01	0.00	471.30	0.15	0.01
Scrapers	2024	2024Scrapers120	120	0.06	0.26	3.70	0.01	0.01	0.00	482.70	0.16	0.01
Scrapers	2024	2024Scrapers175	175	0.06	0.26	2.20	0.01	0.01	0.00	478.81	0.15	0.01
Scrapers	2024	2024Scrapers250	250	0.06	0.26	2.20	0.01	0.01	0.00	469.35	0.15	0.01
Scrapers	2024	2024Scrapers500	500	0.06	0.26	2.20	0.01	0.01	0.00	472.85	0.15	0.01
Scrapers	2024	2024Scrapers750	750	0.06	0.26	2.20	0.01	0.01	0.00	471.43	0.15	0.01
Scrapers	2025	2025Scrapers120	120	0.06	0.26	3.70	0.01	0.01	0.00	482.36	0.16	0.01
Scrapers	2025	2025Scrapers175	175	0.06	0.26	2.20	0.01	0.01	0.00	478.95	0.15	0.01
Scrapers	2025	2025Scrapers250	250	0.06	0.26	2.20	0.01	0.01	0.00	469.45	0.15	0.01
Scrapers	2025	2025Scrapers500	500	0.06	0.26	2.20	0.01	0.01	0.00	472.54	0.15	0.01
Scrapers	2025	2025Scrapers750	750	0.06	0.26	2.20	0.01	0.01	0.00	472.11	0.15	0.01
Scrapers	2030	2030Scrapers120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Scrapers	2030	2030Scrapers175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Scrapers	2030	2030Scrapers250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Scrapers	2030	2030Scrapers500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Scrapers	2030	2030Scrapers750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Scrapers	2035	2035Scrapers120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Scrapers	2035	2035Scrapers175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Scrapers	2035	2035Scrapers250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Scrapers	2035	2035Scrapers500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Scrapers	2035	2035Scrapers750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Scrapers	2040	2040Scrapers120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Scrapers	2040	2040Scrapers175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Scrapers	2040	2040Scrapers250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Scrapers	2040	2040Scrapers500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Scrapers	2040	2040Scrapers750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Signal Boards	1990	1990Signal Boards15	15	1.80	10.00	5.00	0.98	0.98	1.05	568.30	0.16	0.01
Signal Boards	1990	1990Signal Boards50	50	0.12	2.74	3.70	0.01	0.01	0.87	568.30	0.33	0.01
Signal Boards	1990	1990Signal Boards120	120	0.06	0.26	3.70	0.01	0.01	0.79	568.30	0.18	0.01
Signal Boards	1990	1990Signal Boards175	175	0.06	0.26	2.20	0.01	0.01	0.76	568.30	0.13	0.01
Signal Boards	1990	1990Signal Boards250	250	0.06	0.26	2.20	0.01	0.01	0.92	686.70	0.15	0.02
Signal Boards	2000	2000Signal Boards15	15	1.33	7.68	4.26	0.61	0.61	0.08	568.30	0.12	0.01
Signal Boards	2000	2000Signal Boards50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.31	0.01
Signal Boards	2000	2000Signal Boards120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.15	0.01
Signal Boards	2000	2000Signal Boards175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.10	0.01
Signal Boards	2000	2000Signal Boards250	250	0.06	0.26	2.20	0.01	0.01	0.07	686.70	0.10	0.02
Signal Boards	2005	2005Signal Boards15	15	0.74	4.98	3.47	0.35	0.35	0.08	568.30	0.07	0.01
Signal Boards	2005	2005Signal Boards50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.27	0.01
Signal Boards	2005	2005Signal Boards120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.13	0.01
Signal Boards	2005	2005Signal Boards175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.08	0.01
Signal Boards	2005	2005Signal Boards250	250	0.06	0.26	2.20	0.01	0.01	0.07	686.70	0.07	0.02

Signal Boards	2010	2010Signal Boards15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Signal Boards	2010	2010Signal Boards50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.21	0.01
Signal Boards	2010	2010Signal Boards120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.10	0.01
Signal Boards	2010	2010Signal Boards175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.06	0.01
Signal Boards	2010	2010Signal Boards250	250	0.06	0.26	2.20	0.01	0.01	0.01	686.70	0.05	0.02
Signal Boards	2011	2011Signal Boards15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Signal Boards	2011	2011Signal Boards50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.20	0.01
Signal Boards	2011	2011Signal Boards120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.09	0.01
Signal Boards	2011	2011Signal Boards175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.06	0.01
Signal Boards	2011	2011Signal Boards250	250	0.06	0.26	2.20	0.01	0.01	0.01	686.70	0.05	0.02
Signal Boards	2012	2012Signal Boards15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Signal Boards	2012	2012Signal Boards50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.18	0.01
Signal Boards	2012	2012Signal Boards120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.08	0.01
Signal Boards	2012	2012Signal Boards175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.06	0.01
Signal Boards	2012	2012Signal Boards250	250	0.06	0.26	2.20	0.01	0.01	0.01	686.70	0.04	0.02
Signal Boards	2013	2013Signal Boards15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Signal Boards	2013	2013Signal Boards50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.16	0.01
Signal Boards	2013	2013Signal Boards120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.08	0.01
Signal Boards	2013	2013Signal Boards175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.05	0.01
Signal Boards	2013	2013Signal Boards250	250	0.06	0.26	2.20	0.01	0.01	0.01	686.70	0.04	0.02
Signal Boards	2014	2014Signal Boards15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Signal Boards	2014	2014Signal Boards50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.15	0.01
Signal Boards	2014	2014Signal Boards120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.07	0.01
Signal Boards	2014	2014Signal Boards175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.05	0.01
Signal Boards	2014	2014Signal Boards250	250	0.06	0.26	2.20	0.01	0.01	0.01	686.70	0.04	0.02
Signal Boards	2015	2015Signal Boards15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Signal Boards	2015	2015Signal Boards50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.13	0.01
Signal Boards	2015	2015Signal Boards120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.06	0.01
Signal Boards	2015	2015Signal Boards175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Signal Boards	2015	2015Signal Boards250	250	0.06	0.26	2.20	0.01	0.01	0.01	686.70	0.03	0.02
Signal Boards	2016	2016Signal Boards15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Signal Boards	2016	2016Signal Boards50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.12	0.01
Signal Boards	2016	2016Signal Boards120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.06	0.01
Signal Boards	2016	2016Signal Boards175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Signal Boards	2016	2016Signal Boards250	250	0.06	0.26	2.20	0.01	0.01	0.01	686.70	0.03	0.02
Signal Boards	2017	2017Signal Boards15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Signal Boards	2017	2017Signal Boards50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.10	0.01
Signal Boards	2017	2017Signal Boards120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Signal Boards	2017	2017Signal Boards175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Signal Boards	2017	2017Signal Boards250	250	0.06	0.26	2.20	0.01	0.01	0.01	686.70	0.03	0.02
Signal Boards	2018	2018Signal Boards15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Signal Boards	2018	2018Signal Boards50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.09	0.01
Signal Boards	2018	2018Signal Boards120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Signal Boards	2018	2018Signal Boards175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Signal Boards	2018	2018Signal Boards250	250	0.06	0.26	2.20	0.01	0.01	0.01	686.70	0.03	0.02
Signal Boards	2019	2019Signal Boards15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Signal Boards	2019	2019Signal Boards50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.08	0.01
Signal Boards	2019	2019Signal Boards120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Signal Boards	2019	2019Signal Boards175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Signal Boards	2019	2019Signal Boards250	250	0.06	0.26	2.20	0.01	0.01	0.01	686.70	0.03	0.02
Signal Boards	2020	2020Signal Boards15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Signal Boards	2020	2020Signal Boards50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.07	0.01
Signal Boards	2020	2020Signal Boards120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Signal Boards	2020	2020Signal Boards175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Signal Boards	2020	2020Signal Boards250	250	0.06	0.26	2.20	0.01	0.01	0.01	686.70	0.02	0.02
Signal Boards	2021	2021Signal Boards15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Signal Boards	2021	2021Signal Boards50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.06	0.01
Signal Boards	2021	2021Signal Boards120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Signal Boards	2021	2021Signal Boards175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Signal Boards	2021	2021Signal Boards250	250	0.06	0.26	2.20	0.01	0.01	0.01	686.70	0.02	0.02
Signal Boards	2022	2022Signal Boards15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Signal Boards	2022	2022Signal Boards50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.06	0.01
Signal Boards	2022	2022Signal Boards120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Signal Boards	2022	2022Signal Boards175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Signal Boards	2022	2022Signal Boards250	250	0.06	0.26	2.20	0.01	0.01	0.01	686.70	0.02	0.02
Signal Boards	2023	2023Signal Boards15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Signal Boards	2023	2023Signal Boards50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Signal Boards	2023	2023Signal Boards120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Signal Boards	2023	2023Signal Boards175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Signal Boards	2023	2023Signal Boards250	250	0.06	0.26	2.20	0.01	0.01	0.01	686.70	0.02	0.02
Signal Boards	2024	2024Signal Boards15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Signal Boards	2024	2024Signal Boards50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Signal Boards	2024	2024Signal Boards120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Signal Boards	2024	2024Signal Boards175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Signal Boards	2024	2024Signal Boards250	250	0.06	0.26	2.20	0.01	0.01	0.01	686.70	0.02	0.02
Signal Boards	2025	2025Signal Boards15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Signal Boards	2025	2025Signal Boards50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Signal Boards	2025	2025Signal Boards120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Signal Boards	2025	2025Signal Boards175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Signal Boards	2025	2025Signal Boards250	250	0.06	0.26	2.20	0.01	0.01	0.01	686.70	0.02	0.02
Signal Boards	2030	2030Signal Boards15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Signal Boards	2030	2030Signal Boards50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Signal Boards	2030	2030Signal Boards120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Signal Boards	2030	2030Signal Boards175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Signal Boards	2030	2030Signal Boards250	250	0.06	0.26	2.20	0.01	0.01	0.01	686.70	0.02	0.02
Signal Boards	2035	2035Signal Boards15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Signal Boards	2035	2035Signal Boards50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Signal Boards	2035	2035Signal Boards120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Signal Boards	2035	2035Signal Boards175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Signal Boards	2035	2035Signal Boards250	250	0.06	0.26	2.20	0.01	0.01	0.01	686.70	0.01	0.02
Signal Boards	2040	2040Signal Boards15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Signal Boards	2040	2040Signal Boards50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Signal Boards	2040	2040Signal Boards120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Signal Boards	2040	2040Signal Boards175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Signal Boards	2040	2040Signal Boards250	250	0.06	0.26	2.20	0.01	0.01	0.01	686.70	0.01	0.02
Skid Steer Loaders	1990	1990Skid Steer Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.86	568.30	0.20	0.01
Skid Steer Loaders	1990	1990Skid Steer Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.87	568.30	0.40	0.01
Skid Steer Loaders	1990	1990Skid Steer Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.79	568.30	0.20	0.01
Skid Steer Loaders	2000	2000Skid Steer Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.07	568.30	0.19	0.01
Skid Steer Loaders	2000	2000Skid Steer Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.34	0.01
Skid Steer Loaders	2000	2000Skid Steer Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.14	0.01
Skid Steer Loaders	2005	2005Skid Steer Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.07	568.30	0.14	0.01
Skid Steer Loaders	2005	2005Skid Steer Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.27	0.01
Skid Steer Loaders	2005	2005Skid Steer Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.12	0.01
Skid Steer Loaders	2010	2010Skid Steer Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.01	586.34	0.17	0.01
Skid Steer Loaders	2010	2010Skid Steer Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.01	586.34	0.17	0.01
Skid Steer Loaders	2010	2010Skid Steer Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.00	525.69	0.15	0.01
Skid Steer Loaders	2011	2011Skid Steer Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.01	584.73	0.17	0.01
Skid Steer Loaders	2011	2011Skid Steer Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.01	584.73	0.17	0.01
Skid Steer Loaders	2011	2011Skid Steer Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.00	524.09	0.15	0.01
Skid Steer Loaders	2012	2012Skid Steer Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.01	583.13	0.17	0.01
Skid Steer Loaders	2012	2012Skid Steer Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.01	583.13	0.17	0.01
Skid Steer Loaders	2012	2012Skid Steer Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.00	522.54	0.15	0.01
Skid Steer Loaders	2013	2013Skid Steer Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.01	580.01	0.17	0.01
Skid Steer Loaders	2013	2013Skid Steer Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.01	580.01	0.17	0.01
Skid Steer Loaders	2013	2013Skid Steer Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.00	519.64	0.15	0.01
Skid Steer Loaders	2014	2014Skid Steer Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.01	577.08	0.17	0.01
Skid Steer Loaders	2014	2014Skid Steer Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.01	577.08	0.17	0.01
Skid Steer Loaders	2014	2014Skid Steer Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.00	517.06	0.15	0.01
Skid Steer Loaders	2015	2015Skid Steer Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.01	571.42	0.17	0.01
Skid Steer Loaders	2015	2015Skid Steer Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.01	571.42	0.17	0.01
Skid Steer Loaders	2015	2015Skid Steer Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.00	511.59	0.15	0.01
Skid Steer Loaders	2016	2016Skid Steer Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.01	565.23	0.17	0.01
Skid Steer Loaders	2016	2016Skid Steer Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.01	565.23	0.17	0.01
Skid Steer Loaders	2016	2016Skid Steer Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.00	506.30	0.15	0.01
Skid Steer Loaders	2017	2017Skid Steer Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.01	556.71	0.17	0.01
Skid Steer Loaders	2017	2017Skid Steer Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.01	556.71	0.17	0.01
Skid Steer Loaders	2017	2017Skid Steer Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.00	498.33	0.15	0.01
Skid Steer Loaders	2018	2018Skid Steer Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.01	547.56	0.17	0.01
Skid Steer Loaders	2018	2018Skid Steer Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.01	547.56	0.17	0.01
Skid Steer Loaders	2018	2018Skid Steer Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.00	490.09	0.15	0.01
Skid Steer Loaders	2019	2019Skid Steer Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.01	539.27	0.17	0.01
Skid Steer Loaders	2019	2019Skid Steer Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.01	539.27	0.17	0.01
Skid Steer Loaders	2019	2019Skid Steer Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.00	482.38	0.15	0.01
Skid Steer Loaders	2020	2020Skid Steer Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.01	527.76	0.17	0.01
Skid Steer Loaders	2020	2020Skid Steer Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.01	527.76	0.17	0.01
Skid Steer Loaders	2020	2020Skid Steer Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.00	471.91	0.15	0.01
Skid Steer Loaders	2021	2021Skid Steer Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.01	527.45	0.17	0.01
Skid Steer Loaders	2021	2021Skid Steer Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.01	527.45	0.17	0.01
Skid Steer Loaders	2021	2021Skid Steer Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.00	471.98	0.15	0.01
Skid Steer Loaders	2022	2022Skid Steer Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.01	527.27	0.17	0.01
Skid Steer Loaders	2022	2022Skid Steer Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.01	527.27	0.17	0.01

Skid Steer Loaders	2022	2022Skid Steer Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.00	472.43	0.15	0.01
Skid Steer Loaders	2023	2023Skid Steer Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.01	527.42	0.17	0.01
Skid Steer Loaders	2023	2023Skid Steer Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.01	527.42	0.17	0.01
Skid Steer Loaders	2023	2023Skid Steer Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.00	472.66	0.15	0.01
Skid Steer Loaders	2024	2024Skid Steer Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.01	527.80	0.17	0.01
Skid Steer Loaders	2024	2024Skid Steer Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.01	527.80	0.17	0.01
Skid Steer Loaders	2024	2024Skid Steer Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.00	472.85	0.15	0.01
Skid Steer Loaders	2025	2025Skid Steer Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.01	527.86	0.17	0.01
Skid Steer Loaders	2025	2025Skid Steer Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.01	527.86	0.17	0.01
Skid Steer Loaders	2025	2025Skid Steer Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.00	472.63	0.15	0.01
Skid Steer Loaders	2030	2030Skid Steer Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Skid Steer Loaders	2030	2030Skid Steer Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Skid Steer Loaders	2030	2030Skid Steer Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Skid Steer Loaders	2035	2035Skid Steer Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Skid Steer Loaders	2035	2035Skid Steer Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Skid Steer Loaders	2035	2035Skid Steer Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Skid Steer Loaders	2040	2040Skid Steer Loaders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Skid Steer Loaders	2040	2040Skid Steer Loaders50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Skid Steer Loaders	2040	2040Skid Steer Loaders120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Surfacing Equipment	1990	1990Surfacing Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.87	568.30	0.38	0.01
Surfacing Equipment	1990	1990Surfacing Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.79	568.30	0.20	0.01
Surfacing Equipment	1990	1990Surfacing Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.76	568.30	0.15	0.01
Surfacing Equipment	1990	1990Surfacing Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.76	568.30	0.15	0.01
Surfacing Equipment	1990	1990Surfacing Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.66	568.30	0.14	0.01
Surfacing Equipment	1990	1990Surfacing Equipment750	750	0.06	0.26	2.20	0.01	0.01	1.02	568.30	0.14	0.01
Surfacing Equipment	2000	2000Surfacing Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.32	0.01
Surfacing Equipment	2000	2000Surfacing Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.15	0.01
Surfacing Equipment	2000	2000Surfacing Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.10	0.01
Surfacing Equipment	2000	2000Surfacing Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.09	0.01
Surfacing Equipment	2000	2000Surfacing Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.08	0.01
Surfacing Equipment	2000	2000Surfacing Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.08	0.01
Surfacing Equipment	2005	2005Surfacing Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.28	0.01
Surfacing Equipment	2005	2005Surfacing Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.13	0.01
Surfacing Equipment	2005	2005Surfacing Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.09	0.01
Surfacing Equipment	2005	2005Surfacing Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.07	0.01
Surfacing Equipment	2005	2005Surfacing Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.06	0.01
Surfacing Equipment	2005	2005Surfacing Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.06	0.01
Surfacing Equipment	2010	2010Surfacing Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	593.05	0.17	0.01
Surfacing Equipment	2010	2010Surfacing Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	524.03	0.15	0.01
Surfacing Equipment	2010	2010Surfacing Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	522.49	0.15	0.01
Surfacing Equipment	2010	2010Surfacing Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	530.36	0.15	0.01
Surfacing Equipment	2010	2010Surfacing Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	522.97	0.15	0.01
Surfacing Equipment	2010	2010Surfacing Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.00	524.88	0.15	0.01
Surfacing Equipment	2011	2011Surfacing Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	590.26	0.17	0.01
Surfacing Equipment	2011	2011Surfacing Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	522.84	0.15	0.01
Surfacing Equipment	2011	2011Surfacing Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	521.19	0.15	0.01
Surfacing Equipment	2011	2011Surfacing Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	529.02	0.15	0.01
Surfacing Equipment	2011	2011Surfacing Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	520.42	0.15	0.01
Surfacing Equipment	2011	2011Surfacing Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.00	523.55	0.15	0.01
Surfacing Equipment	2012	2012Surfacing Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	588.71	0.17	0.01
Surfacing Equipment	2012	2012Surfacing Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	521.42	0.15	0.01
Surfacing Equipment	2012	2012Surfacing Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	519.89	0.15	0.01
Surfacing Equipment	2012	2012Surfacing Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	527.68	0.15	0.01
Surfacing Equipment	2012	2012Surfacing Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	519.05	0.15	0.01
Surfacing Equipment	2012	2012Surfacing Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.00	521.07	0.15	0.01
Surfacing Equipment	2013	2013Surfacing Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	585.72	0.17	0.01
Surfacing Equipment	2013	2013Surfacing Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	518.75	0.15	0.01
Surfacing Equipment	2013	2013Surfacing Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	518.47	0.15	0.01
Surfacing Equipment	2013	2013Surfacing Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	524.53	0.15	0.01
Surfacing Equipment	2013	2013Surfacing Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	516.15	0.15	0.01
Surfacing Equipment	2013	2013Surfacing Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.00	518.39	0.15	0.01
Surfacing Equipment	2014	2014Surfacing Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	582.72	0.17	0.01
Surfacing Equipment	2014	2014Surfacing Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	516.34	0.15	0.01
Surfacing Equipment	2014	2014Surfacing Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	515.82	0.15	0.01
Surfacing Equipment	2014	2014Surfacing Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	521.45	0.15	0.01
Surfacing Equipment	2014	2014Surfacing Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	513.62	0.15	0.01
Surfacing Equipment	2014	2014Surfacing Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.00	516.32	0.15	0.01
Surfacing Equipment	2015	2015Surfacing Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	576.77	0.17	0.01
Surfacing Equipment	2015	2015Surfacing Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	510.14	0.15	0.01
Surfacing Equipment	2015	2015Surfacing Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	510.55	0.15	0.01
Surfacing Equipment	2015	2015Surfacing Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	516.06	0.15	0.01
Surfacing Equipment	2015	2015Surfacing Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	508.40	0.15	0.01
Surfacing Equipment	2015	2015Surfacing Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.00	511.12	0.15	0.01
Surfacing Equipment	2016	2016Surfacing Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	570.81	0.17	0.01
Surfacing Equipment	2016	2016Surfacing Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	505.09	0.15	0.01
Surfacing Equipment	2016	2016Surfacing Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	504.56	0.15	0.01
Surfacing Equipment	2016	2016Surfacing Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	510.71	0.15	0.01
Surfacing Equipment	2016	2016Surfacing Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	502.47	0.15	0.01
Surfacing Equipment	2016	2016Surfacing Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.00	506.97	0.15	0.01
Surfacing Equipment	2017	2017Surfacing Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	564.48	0.17	0.01
Surfacing Equipment	2017	2017Surfacing Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	498.36	0.15	0.01
Surfacing Equipment	2017	2017Surfacing Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	496.27	0.15	0.01
Surfacing Equipment	2017	2017Surfacing Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	501.85	0.15	0.01
Surfacing Equipment	2017	2017Surfacing Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	496.88	0.15	0.01
Surfacing Equipment	2017	2017Surfacing Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.00	499.71	0.15	0.01
Surfacing Equipment	2018	2018Surfacing Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	555.74	0.17	0.01
Surfacing Equipment	2018	2018Surfacing Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	491.32	0.15	0.01
Surfacing Equipment	2018	2018Surfacing Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	488.44	0.15	0.01
Surfacing Equipment	2018	2018Surfacing Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	494.14	0.15	0.01
Surfacing Equipment	2018	2018Surfacing Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	487.87	0.15	0.01
Surfacing Equipment	2018	2018Surfacing Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.00	488.86	0.15	0.01
Surfacing Equipment	2019	2019Surfacing Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	547.05	0.17	0.01
Surfacing Equipment	2019	2019Surfacing Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	484.08	0.15	0.01
Surfacing Equipment	2019	2019Surfacing Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	479.67	0.15	0.01
Surfacing Equipment	2019	2019Surfacing Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	486.84	0.15	0.01
Surfacing Equipment	2019	2019Surfacing Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	481.90	0.15	0.01
Surfacing Equipment	2019	2019Surfacing Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.00	480.17	0.15	0.01
Surfacing Equipment	2020	2020Surfacing Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	535.53	0.17	0.01
Surfacing Equipment	2020	2020Surfacing Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	473.82	0.15	0.01
Surfacing Equipment	2020	2020Surfacing Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	469.21	0.15	0.01
Surfacing Equipment	2020	2020Surfacing Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	476.43	0.15	0.01
Surfacing Equipment	2020	2020Surfacing Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	471.63	0.15	0.01
Surfacing Equipment	2020	2020Surfacing Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.00	469.63	0.15	0.01
Surfacing Equipment	2021	2021Surfacing Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	535.78	0.17	0.01
Surfacing Equipment	2021	2021Surfacing Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	474.09	0.15	0.01
Surfacing Equipment	2021	2021Surfacing Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	469.17	0.15	0.01
Surfacing Equipment	2021	2021Surfacing Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	476.80	0.15	0.01
Surfacing Equipment	2021	2021Surfacing Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	471.75	0.15	0.01
Surfacing Equipment	2021	2021Surfacing Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.00	470.41	0.15	0.01
Surfacing Equipment	2022	2022Surfacing Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	535.84	0.17	0.01
Surfacing Equipment	2022	2022Surfacing Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	473.64	0.15	0.01
Surfacing Equipment	2022	2022Surfacing Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	469.13	0.15	0.01
Surfacing Equipment	2022	2022Surfacing Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	476.95	0.15	0.01
Surfacing Equipment	2022	2022Surfacing Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	470.52	0.15	0.01
Surfacing Equipment	2022	2022Surfacing Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.00	470.40	0.15	0.01
Surfacing Equipment	2023	2023Surfacing Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	535.93	0.17	0.01
Surfacing Equipment	2023	2023Surfacing Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	474.47	0.15	0.01
Surfacing Equipment	2023	2023Surfacing Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	470.01	0.15	0.01
Surfacing Equipment	2023	2023Surfacing Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	476.96	0.15	0.01
Surfacing Equipment	2023	2023Surfacing Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	470.37	0.15	0.01
Surfacing Equipment	2023	2023Surfacing Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.00	472.45	0.15	0.01
Surfacing Equipment	2024	2024Surfacing Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	536.03	0.17	0.01
Surfacing Equipment	2024	2024Surfacing Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	475.38	0.15	0.01
Surfacing Equipment	2024	2024Surfacing Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	470.08	0.15	0.01
Surfacing Equipment	2024	2024Surfacing Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	477.10	0.15	0.01
Surfacing Equipment	2024	2024Surfacing Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	470.25	0.15	0.01
Surfacing Equipment	2024	2024Surfacing Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.00	472.98	0.15	0.01
Surfacing Equipment	2025	2025Surfacing Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	536.14	0.17	0.01
Surfacing Equipment	2025	2025Surfacing Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.00	476.77	0.15	0.01
Surfacing Equipment	2025	2025Surfacing Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.00	471.04	0.15	0.01
Surfacing Equipment	2025	2025Surfacing Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.00	477.11	0.15	0.01
Surfacing Equipment	2025	2025Surfacing Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.00	470.28	0.15	0.01
Surfacing Equipment	2025	2025Surfacing Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.00	470.55	0.15	0.01
Surfacing Equipment	2030	2030Surfacing Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Surfacing Equipment	2030	2030Surfacing Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Surfacing Equipment	2030	2030Surfacing Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Surfacing Equipment	2030	2030Surfacing Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Surfacing Equipment	2030	2030Surfacing Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Surfacing Equipment	2030	2030Surfacing Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Surfacing Equipment	2035	2035Surfacing Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Surfacing Equipment	2035	2035Surfacing Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Surfacing Equipment	2035	2035Surfacing Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01

Surfacing Equipment	2035	2035Surfacing Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Surfacing Equipment	2035	2035Surfacing Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Surfacing Equipment	2035	2035Surfacing Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Surfacing Equipment	2040	2040Surfacing Equipment50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Surfacing Equipment	2040	2040Surfacing Equipment120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Surfacing Equipment	2040	2040Surfacing Equipment175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Surfacing Equipment	2040	2040Surfacing Equipment250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Surfacing Equipment	2040	2040Surfacing Equipment500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Surfacing Equipment	2040	2040Surfacing Equipment750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Sweepers/Scrubbers	1990	1990Sweepers/Scrubbers15	15	1.80	10.00	5.00	0.97	0.97	0.83	568.30	0.16	0.01
Sweepers/Scrubbers	1990	1990Sweepers/Scrubbers25	25	0.12	2.75	4.10	0.01	0.01	0.68	568.30	0.20	0.01
Sweepers/Scrubbers	1990	1990Sweepers/Scrubbers50	50	0.12	2.74	3.70	0.01	0.01	0.69	568.30	0.41	0.01
Sweepers/Scrubbers	1990	1990Sweepers/Scrubbers120	120	0.06	0.26	3.70	0.01	0.01	0.63	568.30	0.20	0.01
Sweepers/Scrubbers	1990	1990Sweepers/Scrubbers175	175	0.06	0.26	2.20	0.01	0.01	0.60	568.30	0.14	0.01
Sweepers/Scrubbers	1990	1990Sweepers/Scrubbers250	250	0.06	0.26	2.20	0.01	0.01	0.60	568.30	0.14	0.01
Sweepers/Scrubbers	2000	2000Sweepers/Scrubbers15	15	1.05	7.36	4.26	0.43	0.43	0.08	568.30	0.09	0.01
Sweepers/Scrubbers	2000	2000Sweepers/Scrubbers25	25	0.12	2.75	4.10	0.01	0.01	0.06	568.30	0.10	0.01
Sweepers/Scrubbers	2000	2000Sweepers/Scrubbers50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.37	0.01
Sweepers/Scrubbers	2000	2000Sweepers/Scrubbers120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.15	0.01
Sweepers/Scrubbers	2000	2000Sweepers/Scrubbers175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.10	0.01
Sweepers/Scrubbers	2000	2000Sweepers/Scrubbers250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.08	0.01
Sweepers/Scrubbers	2005	2005Sweepers/Scrubbers15	15	0.71	4.99	3.47	0.35	0.35	0.08	568.30	0.06	0.01
Sweepers/Scrubbers	2005	2005Sweepers/Scrubbers25	25	0.12	2.75	4.10	0.01	0.01	0.06	568.30	0.07	0.01
Sweepers/Scrubbers	2005	2005Sweepers/Scrubbers50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.35	0.01
Sweepers/Scrubbers	2005	2005Sweepers/Scrubbers120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.14	0.01
Sweepers/Scrubbers	2005	2005Sweepers/Scrubbers175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.09	0.01
Sweepers/Scrubbers	2005	2005Sweepers/Scrubbers250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.06	0.01
Sweepers/Scrubbers	2010	2010Sweepers/Scrubbers15	15	1.81	5.83	6.34	0.61	0.57	0.01	583.70	0.17	0.01
Sweepers/Scrubbers	2010	2010Sweepers/Scrubbers25	25	0.12	2.75	4.10	0.01	0.01	0.01	583.70	0.17	0.01
Sweepers/Scrubbers	2010	2010Sweepers/Scrubbers50	50	0.12	2.74	3.70	0.01	0.01	0.01	583.70	0.17	0.01
Sweepers/Scrubbers	2010	2010Sweepers/Scrubbers120	120	0.06	0.26	3.70	0.01	0.01	0.00	526.80	0.15	0.01
Sweepers/Scrubbers	2010	2010Sweepers/Scrubbers175	175	0.06	0.26	2.20	0.01	0.01	0.00	525.69	0.15	0.01
Sweepers/Scrubbers	2010	2010Sweepers/Scrubbers250	250	0.06	0.26	2.20	0.01	0.01	0.00	522.36	0.15	0.01
Sweepers/Scrubbers	2011	2011Sweepers/Scrubbers15	15	1.77	5.80	6.34	0.61	0.56	0.01	582.24	0.17	0.01
Sweepers/Scrubbers	2011	2011Sweepers/Scrubbers25	25	0.12	2.75	4.10	0.01	0.01	0.01	582.24	0.17	0.01
Sweepers/Scrubbers	2011	2011Sweepers/Scrubbers50	50	0.12	2.74	3.70	0.01	0.01	0.01	582.24	0.17	0.01
Sweepers/Scrubbers	2011	2011Sweepers/Scrubbers120	120	0.06	0.26	3.70	0.01	0.01	0.00	525.48	0.15	0.01
Sweepers/Scrubbers	2011	2011Sweepers/Scrubbers175	175	0.06	0.26	2.20	0.01	0.01	0.00	524.38	0.15	0.01
Sweepers/Scrubbers	2011	2011Sweepers/Scrubbers250	250	0.06	0.26	2.20	0.01	0.01	0.00	521.06	0.15	0.01
Sweepers/Scrubbers	2012	2012Sweepers/Scrubbers15	15	1.83	5.85	6.55	0.62	0.57	0.01	580.78	0.17	0.01
Sweepers/Scrubbers	2012	2012Sweepers/Scrubbers25	25	0.12	2.75	4.10	0.01	0.01	0.01	580.78	0.17	0.01
Sweepers/Scrubbers	2012	2012Sweepers/Scrubbers50	50	0.12	2.74	3.70	0.01	0.01	0.01	580.78	0.17	0.01
Sweepers/Scrubbers	2012	2012Sweepers/Scrubbers120	120	0.06	0.26	3.70	0.01	0.01	0.00	524.16	0.15	0.01
Sweepers/Scrubbers	2012	2012Sweepers/Scrubbers175	175	0.06	0.26	2.20	0.01	0.01	0.00	523.06	0.15	0.01
Sweepers/Scrubbers	2012	2012Sweepers/Scrubbers250	250	0.06	0.26	2.20	0.01	0.01	0.00	519.75	0.15	0.01
Sweepers/Scrubbers	2013	2013Sweepers/Scrubbers15	15	1.78	5.79	6.54	0.61	0.56	0.01	577.86	0.17	0.01
Sweepers/Scrubbers	2013	2013Sweepers/Scrubbers25	25	0.12	2.75	4.10	0.01	0.01	0.01	577.86	0.17	0.01
Sweepers/Scrubbers	2013	2013Sweepers/Scrubbers50	50	0.12	2.74	3.70	0.01	0.01	0.01	577.86	0.17	0.01
Sweepers/Scrubbers	2013	2013Sweepers/Scrubbers120	120	0.06	0.26	3.70	0.01	0.01	0.00	521.53	0.15	0.01
Sweepers/Scrubbers	2013	2013Sweepers/Scrubbers175	175	0.06	0.26	2.20	0.01	0.01	0.00	520.43	0.15	0.01
Sweepers/Scrubbers	2013	2013Sweepers/Scrubbers250	250	0.06	0.26	2.20	0.01	0.01	0.00	517.14	0.15	0.01
Sweepers/Scrubbers	2014	2014Sweepers/Scrubbers15	15	1.77	5.75	6.59	0.60	0.55	0.01	574.94	0.17	0.01
Sweepers/Scrubbers	2014	2014Sweepers/Scrubbers25	25	0.12	2.75	4.10	0.01	0.01	0.01	574.94	0.17	0.01
Sweepers/Scrubbers	2014	2014Sweepers/Scrubbers50	50	0.12	2.74	3.70	0.01	0.01	0.01	574.94	0.17	0.01
Sweepers/Scrubbers	2014	2014Sweepers/Scrubbers120	120	0.06	0.26	3.70	0.01	0.01	0.00	518.89	0.15	0.01
Sweepers/Scrubbers	2014	2014Sweepers/Scrubbers175	175	0.06	0.26	2.20	0.01	0.01	0.00	517.81	0.15	0.01
Sweepers/Scrubbers	2014	2014Sweepers/Scrubbers250	250	0.06	0.26	2.20	0.01	0.01	0.00	514.53	0.15	0.01
Sweepers/Scrubbers	2015	2015Sweepers/Scrubbers15	15	1.81	5.77	6.75	0.61	0.56	0.01	569.11	0.17	0.01
Sweepers/Scrubbers	2015	2015Sweepers/Scrubbers25	25	0.12	2.75	4.10	0.01	0.01	0.01	569.11	0.17	0.01
Sweepers/Scrubbers	2015	2015Sweepers/Scrubbers50	50	0.12	2.74	3.70	0.01	0.01	0.01	569.11	0.17	0.01
Sweepers/Scrubbers	2015	2015Sweepers/Scrubbers120	120	0.06	0.26	3.70	0.01	0.01	0.00	513.63	0.15	0.01
Sweepers/Scrubbers	2015	2015Sweepers/Scrubbers175	175	0.06	0.26	2.20	0.01	0.01	0.00	512.55	0.15	0.01
Sweepers/Scrubbers	2015	2015Sweepers/Scrubbers250	250	0.06	0.26	2.20	0.01	0.01	0.00	509.30	0.15	0.01
Sweepers/Scrubbers	2016	2016Sweepers/Scrubbers15	15	1.78	5.73	6.79	0.60	0.55	0.01	563.27	0.17	0.01
Sweepers/Scrubbers	2016	2016Sweepers/Scrubbers25	25	0.12	2.75	4.10	0.01	0.01	0.01	563.27	0.17	0.01
Sweepers/Scrubbers	2016	2016Sweepers/Scrubbers50	50	0.12	2.74	3.70	0.01	0.01	0.01	563.27	0.17	0.01
Sweepers/Scrubbers	2016	2016Sweepers/Scrubbers120	120	0.06	0.26	3.70	0.01	0.01	0.00	508.36	0.15	0.01
Sweepers/Scrubbers	2016	2016Sweepers/Scrubbers175	175	0.06	0.26	2.20	0.01	0.01	0.00	507.29	0.15	0.01
Sweepers/Scrubbers	2016	2016Sweepers/Scrubbers250	250	0.06	0.26	2.20	0.01	0.01	0.00	504.08	0.15	0.01
Sweepers/Scrubbers	2017	2017Sweepers/Scrubbers15	15	1.71	5.63	6.72	0.58	0.54	0.01	554.51	0.17	0.01
Sweepers/Scrubbers	2017	2017Sweepers/Scrubbers25	25	0.12	2.75	4.10	0.01	0.01	0.01	554.51	0.17	0.01
Sweepers/Scrubbers	2017	2017Sweepers/Scrubbers50	50	0.12	2.74	3.70	0.01	0.01	0.01	554.51	0.17	0.01
Sweepers/Scrubbers	2017	2017Sweepers/Scrubbers120	120	0.06	0.26	3.70	0.01	0.01	0.00	500.46	0.15	0.01
Sweepers/Scrubbers	2017	2017Sweepers/Scrubbers175	175	0.06	0.26	2.20	0.01	0.01	0.00	499.41	0.15	0.01
Sweepers/Scrubbers	2017	2017Sweepers/Scrubbers250	250	0.06	0.26	2.20	0.01	0.01	0.00	496.24	0.15	0.01
Sweepers/Scrubbers	2018	2018Sweepers/Scrubbers15	15	1.54	5.40	6.44	0.53	0.49	0.01	545.76	0.17	0.01
Sweepers/Scrubbers	2018	2018Sweepers/Scrubbers25	25	0.12	2.75	4.10	0.01	0.01	0.01	545.76	0.17	0.01
Sweepers/Scrubbers	2018	2018Sweepers/Scrubbers50	50	0.12	2.74	3.70	0.01	0.01	0.01	545.76	0.17	0.01
Sweepers/Scrubbers	2018	2018Sweepers/Scrubbers120	120	0.06	0.26	3.70	0.01	0.01	0.00	492.55	0.15	0.01
Sweepers/Scrubbers	2018	2018Sweepers/Scrubbers175	175	0.06	0.26	2.20	0.01	0.01	0.00	491.52	0.15	0.01
Sweepers/Scrubbers	2018	2018Sweepers/Scrubbers250	250	0.06	0.26	2.20	0.01	0.01	0.00	488.41	0.15	0.01
Sweepers/Scrubbers	2019	2019Sweepers/Scrubbers15	15	1.43	5.22	6.27	0.49	0.45	0.01	537.00	0.17	0.01
Sweepers/Scrubbers	2019	2019Sweepers/Scrubbers25	25	0.12	2.75	4.10	0.01	0.01	0.01	537.00	0.17	0.01
Sweepers/Scrubbers	2019	2019Sweepers/Scrubbers50	50	0.12	2.74	3.70	0.01	0.01	0.01	537.00	0.17	0.01
Sweepers/Scrubbers	2019	2019Sweepers/Scrubbers120	120	0.06	0.26	3.70	0.01	0.01	0.00	484.65	0.15	0.01
Sweepers/Scrubbers	2019	2019Sweepers/Scrubbers175	175	0.06	0.26	2.20	0.01	0.01	0.00	483.64	0.15	0.01
Sweepers/Scrubbers	2019	2019Sweepers/Scrubbers250	250	0.06	0.26	2.20	0.01	0.01	0.00	480.57	0.15	0.01
Sweepers/Scrubbers	2020	2020Sweepers/Scrubbers15	15	1.34	5.10	6.16	0.46	0.43	0.01	525.33	0.17	0.01
Sweepers/Scrubbers	2020	2020Sweepers/Scrubbers25	25	0.12	2.75	4.10	0.01	0.01	0.01	525.33	0.17	0.01
Sweepers/Scrubbers	2020	2020Sweepers/Scrubbers50	50	0.12	2.74	3.70	0.01	0.01	0.01	525.33	0.17	0.01
Sweepers/Scrubbers	2020	2020Sweepers/Scrubbers120	120	0.06	0.26	3.70	0.01	0.01	0.00	474.12	0.15	0.01
Sweepers/Scrubbers	2020	2020Sweepers/Scrubbers175	175	0.06	0.26	2.20	0.01	0.01	0.00	473.12	0.15	0.01
Sweepers/Scrubbers	2020	2020Sweepers/Scrubbers250	250	0.06	0.26	2.20	0.01	0.01	0.00	470.13	0.15	0.01
Sweepers/Scrubbers	2021	2021Sweepers/Scrubbers15	15	1.22	4.85	5.90	0.41	0.38	0.01	525.33	0.17	0.01
Sweepers/Scrubbers	2021	2021Sweepers/Scrubbers25	25	0.12	2.75	4.10	0.01	0.01	0.01	525.33	0.17	0.01
Sweepers/Scrubbers	2021	2021Sweepers/Scrubbers50	50	0.12	2.74	3.70	0.01	0.01	0.01	525.33	0.17	0.01
Sweepers/Scrubbers	2021	2021Sweepers/Scrubbers120	120	0.06	0.26	3.70	0.01	0.01	0.00	474.12	0.15	0.01
Sweepers/Scrubbers	2021	2021Sweepers/Scrubbers175	175	0.06	0.26	2.20	0.01	0.01	0.00	473.12	0.15	0.01
Sweepers/Scrubbers	2021	2021Sweepers/Scrubbers250	250	0.06	0.26	2.20	0.01	0.01	0.00	470.13	0.15	0.01
Sweepers/Scrubbers	2022	2022Sweepers/Scrubbers15	15	1.01	4.49	5.45	0.33	0.31	0.01	525.33	0.17	0.01
Sweepers/Scrubbers	2022	2022Sweepers/Scrubbers25	25	0.12	2.75	4.10	0.01	0.01	0.01	525.33	0.17	0.01
Sweepers/Scrubbers	2022	2022Sweepers/Scrubbers50	50	0.12	2.74	3.70	0.01	0.01	0.01	525.33	0.17	0.01
Sweepers/Scrubbers	2022	2022Sweepers/Scrubbers120	120	0.06	0.26	3.70	0.01	0.01	0.00	474.12	0.15	0.01
Sweepers/Scrubbers	2022	2022Sweepers/Scrubbers175	175	0.06	0.26	2.20	0.01	0.01	0.00	473.12	0.15	0.01
Sweepers/Scrubbers	2022	2022Sweepers/Scrubbers250	250	0.06	0.26	2.20	0.01	0.01	0.00	470.13	0.15	0.01
Sweepers/Scrubbers	2023	2023Sweepers/Scrubbers15	15	0.76	4.13	4.97	0.25	0.23	0.01	525.33	0.17	0.01
Sweepers/Scrubbers	2023	2023Sweepers/Scrubbers25	25	0.12	2.75	4.10	0.01	0.01	0.01	525.33	0.17	0.01
Sweepers/Scrubbers	2023	2023Sweepers/Scrubbers50	50	0.12	2.74	3.70	0.01	0.01	0.01	525.33	0.17	0.01
Sweepers/Scrubbers	2023	2023Sweepers/Scrubbers120	120	0.06	0.26	3.70	0.01	0.01	0.00	474.12	0.15	0.01
Sweepers/Scrubbers	2023	2023Sweepers/Scrubbers175	175	0.06	0.26	2.20	0.01	0.01	0.00	473.12	0.15	0.01
Sweepers/Scrubbers	2023	2023Sweepers/Scrubbers250	250	0.06	0.26	2.20	0.01	0.01	0.00	470.13	0.15	0.01
Sweepers/Scrubbers	2024	2024Sweepers/Scrubbers15	15	0.75	4.08	5.00	0.24	0.22	0.01	525.33	0.17	0.01
Sweepers/Scrubbers	2024	2024Sweepers/Scrubbers25	25	0.12	2.75	4.10	0.01	0.01	0.01	525.33	0.17	0.01
Sweepers/Scrubbers	2024	2024Sweepers/Scrubbers50	50	0.12	2.74	3.70	0.01	0.01	0.01	525.33	0.17	0.01
Sweepers/Scrubbers	2024	2024Sweepers/Scrubbers120	120	0.06	0.26	3.70	0.01	0.01	0.00	474.12	0.15	0.01
Sweepers/Scrubbers	2024	2024Sweepers/Scrubbers175	175	0.06	0.26	2.20	0.01	0.01	0.00	473.12	0.15	0.01
Sweepers/Scrubbers	2024	2024Sweepers/Scrubbers250	250	0.06	0.26	2.20	0.01	0.01	0.00	470.13	0.15	0.01
Sweepers/Scrubbers	2025	2025Sweepers/Scrubbers15	15	0.62	3.86	4.77	0.19	0.18	0.01	525.33	0.17	0.01
Sweepers/Scrubbers	2025	2025Sweepers/Scrubbers25	25	0.12	2.75	4.10	0.01	0.01	0.01	525.33	0.17	0.01
Sweepers/Scrubbers	2025	2025Sweepers/Scrubbers50	50	0.12	2.74	3.70	0.01	0.01	0.01	525.33	0.17	0.01
Sweepers/Scrubbers	2025	2025Sweepers/Scrubbers120	120	0.06	0.26	3.70	0.01	0.01	0.00	474.12	0.15	0.01
Sweepers/Scrubbers	2025	2025Sweepers/Scrubbers175	175	0.06	0.26	2.20	0.01	0.01	0.00	473.12	0.15	0.01
Sweepers/Scrubbers	2025	2025Sweepers/Scrubbers250	250	0.06	0.26	2.20	0.01	0.01	0.00	470.13	0.15	0.01
Sweepers/Scrubbers	2030	2030Sweepers/Scrubbers15	15	0.59	4.14	3.47	0.16	0.16	0.01	568.30	0.05	0.01
Sweepers/Scrubbers	2030	2030Sweepers/Scrubbers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Sweepers/Scrubbers	2030	2030Sweepers/Scrubbers50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Sweepers/Scrubbers	2030	2030Sweepers/Scrubbers120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Sweepers/Scrubbers	2030	2030Sweepers/Scrubbers175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Sweepers/Scrubbers	2030	2030Sweepers/Scrubbers250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Sweepers/Scrubbers	2035	2035Sweepers/Scrubbers15	15	0.59	4.14	3.47	0.16	0.16	0.01	568.30	0.05	0.01
Sweepers/Scrubbers	2035	2035Sweepers/Scrubbers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Sweepers/Scrubbers	2035	2035Sweepers/Scrubbers50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Sweepers/Scrubbers	2035	2035Sweepers/Scrubbers120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Sweepers/Scrubbers	2035	2035Sweepers/Scrubbers175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Sweepers/Scrubbers	2035	2035Sweepers/Scrubbers250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Sweepers/Scrubbers	2040	2040Sweepers/Scrubbers15	15	0.59	4.14	3.47	0.16	0.16	0.01	568.30	0.05	0.01
Sweepers/Scrubbers	2040	2040Sweepers/Scrubbers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Sweepers/Scrubbers	2040	2040Sweepers/Scrubbers50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Sweepers/Scrubbers	2040	2040Sweepers/Scrubbers120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Sweepers/Scrubbers	2040	2040Sweepers/Scrubbers175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Sweepers/Scrubbers	2040	2040Sweepers/Scrubbers250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Tractors/Loaders/Backhoes	1990	1990Tractors/Loaders/Backhoes25	25	0.12	2.75	4.10	0.01	0.01	0.86	568.30	0.20	0.01

Tractors/Loaders/Backhoes	1990	1990Tractors/Loaders/Backhoes50	50	0.12	2.74	3.70	0.01	0.01	0.87	568.30	0.43	0.01
Tractors/Loaders/Backhoes	1990	1990Tractors/Loaders/Backhoes120	120	0.06	0.26	3.70	0.01	0.01	0.79	568.30	0.21	0.01
Tractors/Loaders/Backhoes	1990	1990Tractors/Loaders/Backhoes175	175	0.06	0.26	2.20	0.01	0.01	0.76	568.30	0.16	0.01
Tractors/Loaders/Backhoes	1990	1990Tractors/Loaders/Backhoes250	250	0.06	0.26	2.20	0.01	0.01	0.76	568.30	0.16	0.01
Tractors/Loaders/Backhoes	1990	1990Tractors/Loaders/Backhoes500	500	0.06	0.26	2.20	0.01	0.01	0.76	568.30	0.14	0.01
Tractors/Loaders/Backhoes	1990	1990Tractors/Loaders/Backhoes750	750	0.06	0.26	2.20	0.01	0.01	1.14	568.30	0.14	0.01
Tractors/Loaders/Backhoes	2000	2000Tractors/Loaders/Backhoes25	25	0.12	2.75	4.10	0.01	0.01	0.07	568.30	0.18	0.01
Tractors/Loaders/Backhoes	2000	2000Tractors/Loaders/Backhoes50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.39	0.01
Tractors/Loaders/Backhoes	2000	2000Tractors/Loaders/Backhoes120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.16	0.01
Tractors/Loaders/Backhoes	2000	2000Tractors/Loaders/Backhoes175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.11	0.01
Tractors/Loaders/Backhoes	2000	2000Tractors/Loaders/Backhoes250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.09	0.01
Tractors/Loaders/Backhoes	2000	2000Tractors/Loaders/Backhoes500	500	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.08	0.01
Tractors/Loaders/Backhoes	2000	2000Tractors/Loaders/Backhoes750	750	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.08	0.01
Tractors/Loaders/Backhoes	2005	2005Tractors/Loaders/Backhoes25	25	0.12	2.75	4.10	0.01	0.01	0.07	568.30	0.11	0.01
Tractors/Loaders/Backhoes	2005	2005Tractors/Loaders/Backhoes50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.33	0.01
Tractors/Loaders/Backhoes	2005	2005Tractors/Loaders/Backhoes120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.14	0.01
Tractors/Loaders/Backhoes	2005	2005Tractors/Loaders/Backhoes175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.09	0.01
Tractors/Loaders/Backhoes	2005	2005Tractors/Loaders/Backhoes250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.06	0.01
Tractors/Loaders/Backhoes	2005	2005Tractors/Loaders/Backhoes500	500	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.05	0.01
Tractors/Loaders/Backhoes	2005	2005Tractors/Loaders/Backhoes750	750	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.05	0.01
Tractors/Loaders/Backhoes	2010	2010Tractors/Loaders/Backhoes25	25	0.12	2.75	4.10	0.01	0.01	0.01	569.99	0.17	0.01
Tractors/Loaders/Backhoes	2010	2010Tractors/Loaders/Backhoes50	50	0.12	2.74	3.70	0.01	0.01	0.01	569.99	0.17	0.01
Tractors/Loaders/Backhoes	2010	2010Tractors/Loaders/Backhoes120	120	0.06	0.26	3.70	0.01	0.01	0.00	533.59	0.16	0.01
Tractors/Loaders/Backhoes	2010	2010Tractors/Loaders/Backhoes175	175	0.06	0.26	2.20	0.01	0.01	0.00	521.96	0.15	0.01
Tractors/Loaders/Backhoes	2010	2010Tractors/Loaders/Backhoes250	250	0.06	0.26	2.20	0.01	0.01	0.00	522.85	0.15	0.01
Tractors/Loaders/Backhoes	2010	2010Tractors/Loaders/Backhoes500	500	0.06	0.26	2.20	0.01	0.01	0.00	526.59	0.15	0.01
Tractors/Loaders/Backhoes	2010	2010Tractors/Loaders/Backhoes750	750	0.06	0.26	2.20	0.01	0.01	0.00	517.42	0.15	0.01
Tractors/Loaders/Backhoes	2011	2011Tractors/Loaders/Backhoes25	25	0.12	2.75	4.10	0.01	0.01	0.01	569.42	0.17	0.01
Tractors/Loaders/Backhoes	2011	2011Tractors/Loaders/Backhoes50	50	0.12	2.74	3.70	0.01	0.01	0.01	569.42	0.17	0.01
Tractors/Loaders/Backhoes	2011	2011Tractors/Loaders/Backhoes120	120	0.06	0.26	3.70	0.01	0.01	0.00	531.29	0.16	0.01
Tractors/Loaders/Backhoes	2011	2011Tractors/Loaders/Backhoes175	175	0.06	0.26	2.20	0.01	0.01	0.00	520.88	0.15	0.01
Tractors/Loaders/Backhoes	2011	2011Tractors/Loaders/Backhoes250	250	0.06	0.26	2.20	0.01	0.01	0.00	521.71	0.15	0.01
Tractors/Loaders/Backhoes	2011	2011Tractors/Loaders/Backhoes500	500	0.06	0.26	2.20	0.01	0.01	0.00	525.04	0.15	0.01
Tractors/Loaders/Backhoes	2011	2011Tractors/Loaders/Backhoes750	750	0.06	0.26	2.20	0.01	0.01	0.00	516.02	0.15	0.01
Tractors/Loaders/Backhoes	2012	2012Tractors/Loaders/Backhoes25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.12	0.17	0.01
Tractors/Loaders/Backhoes	2012	2012Tractors/Loaders/Backhoes50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.12	0.17	0.01
Tractors/Loaders/Backhoes	2012	2012Tractors/Loaders/Backhoes120	120	0.06	0.26	3.70	0.01	0.01	0.00	529.80	0.15	0.01
Tractors/Loaders/Backhoes	2012	2012Tractors/Loaders/Backhoes175	175	0.06	0.26	2.20	0.01	0.01	0.00	519.58	0.15	0.01
Tractors/Loaders/Backhoes	2012	2012Tractors/Loaders/Backhoes250	250	0.06	0.26	2.20	0.01	0.01	0.00	520.52	0.15	0.01
Tractors/Loaders/Backhoes	2012	2012Tractors/Loaders/Backhoes500	500	0.06	0.26	2.20	0.01	0.01	0.00	523.61	0.15	0.01
Tractors/Loaders/Backhoes	2012	2012Tractors/Loaders/Backhoes750	750	0.06	0.26	2.20	0.01	0.01	0.00	514.62	0.15	0.01
Tractors/Loaders/Backhoes	2013	2013Tractors/Loaders/Backhoes25	25	0.12	2.75	4.10	0.01	0.01	0.01	566.41	0.17	0.01
Tractors/Loaders/Backhoes	2013	2013Tractors/Loaders/Backhoes50	50	0.12	2.74	3.70	0.01	0.01	0.01	566.41	0.17	0.01
Tractors/Loaders/Backhoes	2013	2013Tractors/Loaders/Backhoes120	120	0.06	0.26	3.70	0.01	0.01	0.00	526.71	0.15	0.01
Tractors/Loaders/Backhoes	2013	2013Tractors/Loaders/Backhoes175	175	0.06	0.26	2.20	0.01	0.01	0.00	516.75	0.15	0.01
Tractors/Loaders/Backhoes	2013	2013Tractors/Loaders/Backhoes250	250	0.06	0.26	2.20	0.01	0.01	0.00	517.99	0.15	0.01
Tractors/Loaders/Backhoes	2013	2013Tractors/Loaders/Backhoes500	500	0.06	0.26	2.20	0.01	0.01	0.00	520.65	0.15	0.01
Tractors/Loaders/Backhoes	2013	2013Tractors/Loaders/Backhoes750	750	0.06	0.26	2.20	0.01	0.01	0.00	511.90	0.15	0.01
Tractors/Loaders/Backhoes	2014	2014Tractors/Loaders/Backhoes25	25	0.12	2.75	4.10	0.01	0.01	0.01	564.04	0.17	0.01
Tractors/Loaders/Backhoes	2014	2014Tractors/Loaders/Backhoes50	50	0.12	2.74	3.70	0.01	0.01	0.01	564.04	0.17	0.01
Tractors/Loaders/Backhoes	2014	2014Tractors/Loaders/Backhoes120	120	0.06	0.26	3.70	0.01	0.01	0.00	523.02	0.15	0.01
Tractors/Loaders/Backhoes	2014	2014Tractors/Loaders/Backhoes175	175	0.06	0.26	2.20	0.01	0.01	0.00	513.89	0.15	0.01
Tractors/Loaders/Backhoes	2014	2014Tractors/Loaders/Backhoes250	250	0.06	0.26	2.20	0.01	0.01	0.00	515.17	0.15	0.01
Tractors/Loaders/Backhoes	2014	2014Tractors/Loaders/Backhoes500	500	0.06	0.26	2.20	0.01	0.01	0.00	517.12	0.15	0.01
Tractors/Loaders/Backhoes	2014	2014Tractors/Loaders/Backhoes750	750	0.06	0.26	2.20	0.01	0.01	0.00	511.34	0.15	0.01
Tractors/Loaders/Backhoes	2015	2015Tractors/Loaders/Backhoes25	25	0.12	2.75	4.10	0.01	0.01	0.01	558.71	0.17	0.01
Tractors/Loaders/Backhoes	2015	2015Tractors/Loaders/Backhoes50	50	0.12	2.74	3.70	0.01	0.01	0.01	558.71	0.17	0.01
Tractors/Loaders/Backhoes	2015	2015Tractors/Loaders/Backhoes120	120	0.06	0.26	3.70	0.01	0.01	0.00	517.37	0.15	0.01
Tractors/Loaders/Backhoes	2015	2015Tractors/Loaders/Backhoes175	175	0.06	0.26	2.20	0.01	0.01	0.00	508.68	0.15	0.01
Tractors/Loaders/Backhoes	2015	2015Tractors/Loaders/Backhoes250	250	0.06	0.26	2.20	0.01	0.01	0.00	509.63	0.15	0.01
Tractors/Loaders/Backhoes	2015	2015Tractors/Loaders/Backhoes500	500	0.06	0.26	2.20	0.01	0.01	0.00	511.87	0.15	0.01
Tractors/Loaders/Backhoes	2015	2015Tractors/Loaders/Backhoes750	750	0.06	0.26	2.20	0.01	0.01	0.00	506.15	0.15	0.01
Tractors/Loaders/Backhoes	2016	2016Tractors/Loaders/Backhoes25	25	0.12	2.75	4.10	0.01	0.01	0.01	553.40	0.17	0.01
Tractors/Loaders/Backhoes	2016	2016Tractors/Loaders/Backhoes50	50	0.12	2.74	3.70	0.01	0.01	0.01	553.40	0.17	0.01
Tractors/Loaders/Backhoes	2016	2016Tractors/Loaders/Backhoes120	120	0.06	0.26	3.70	0.01	0.01	0.00	511.35	0.15	0.01
Tractors/Loaders/Backhoes	2016	2016Tractors/Loaders/Backhoes175	175	0.06	0.26	2.20	0.01	0.01	0.00	502.63	0.15	0.01
Tractors/Loaders/Backhoes	2016	2016Tractors/Loaders/Backhoes250	250	0.06	0.26	2.20	0.01	0.01	0.00	504.40	0.15	0.01
Tractors/Loaders/Backhoes	2016	2016Tractors/Loaders/Backhoes500	500	0.06	0.26	2.20	0.01	0.01	0.00	505.27	0.15	0.01
Tractors/Loaders/Backhoes	2016	2016Tractors/Loaders/Backhoes750	750	0.06	0.26	2.20	0.01	0.01	0.00	500.96	0.15	0.01
Tractors/Loaders/Backhoes	2017	2017Tractors/Loaders/Backhoes25	25	0.12	2.75	4.10	0.01	0.01	0.01	544.93	0.17	0.01
Tractors/Loaders/Backhoes	2017	2017Tractors/Loaders/Backhoes50	50	0.12	2.74	3.70	0.01	0.01	0.01	544.93	0.17	0.01
Tractors/Loaders/Backhoes	2017	2017Tractors/Loaders/Backhoes120	120	0.06	0.26	3.70	0.01	0.01	0.00	502.80	0.15	0.01
Tractors/Loaders/Backhoes	2017	2017Tractors/Loaders/Backhoes175	175	0.06	0.26	2.20	0.01	0.01	0.00	493.91	0.15	0.01
Tractors/Loaders/Backhoes	2017	2017Tractors/Loaders/Backhoes250	250	0.06	0.26	2.20	0.01	0.01	0.00	496.84	0.15	0.01
Tractors/Loaders/Backhoes	2017	2017Tractors/Loaders/Backhoes500	500	0.06	0.26	2.20	0.01	0.01	0.00	497.11	0.15	0.01
Tractors/Loaders/Backhoes	2017	2017Tractors/Loaders/Backhoes750	750	0.06	0.26	2.20	0.01	0.01	0.00	492.95	0.15	0.01
Tractors/Loaders/Backhoes	2018	2018Tractors/Loaders/Backhoes25	25	0.12	2.75	4.10	0.01	0.01	0.01	536.11	0.17	0.01
Tractors/Loaders/Backhoes	2018	2018Tractors/Loaders/Backhoes50	50	0.12	2.74	3.70	0.01	0.01	0.01	536.11	0.17	0.01
Tractors/Loaders/Backhoes	2018	2018Tractors/Loaders/Backhoes120	120	0.06	0.26	3.70	0.01	0.01	0.00	494.12	0.15	0.01
Tractors/Loaders/Backhoes	2018	2018Tractors/Loaders/Backhoes175	175	0.06	0.26	2.20	0.01	0.01	0.00	485.78	0.15	0.01
Tractors/Loaders/Backhoes	2018	2018Tractors/Loaders/Backhoes250	250	0.06	0.26	2.20	0.01	0.01	0.00	489.46	0.15	0.01
Tractors/Loaders/Backhoes	2018	2018Tractors/Loaders/Backhoes500	500	0.06	0.26	2.20	0.01	0.01	0.00	486.29	0.15	0.01
Tractors/Loaders/Backhoes	2018	2018Tractors/Loaders/Backhoes750	750	0.06	0.26	2.20	0.01	0.01	0.00	485.01	0.15	0.01
Tractors/Loaders/Backhoes	2019	2019Tractors/Loaders/Backhoes25	25	0.12	2.75	4.10	0.01	0.01	0.01	527.68	0.17	0.01
Tractors/Loaders/Backhoes	2019	2019Tractors/Loaders/Backhoes50	50	0.12	2.74	3.70	0.01	0.01	0.01	527.68	0.17	0.01
Tractors/Loaders/Backhoes	2019	2019Tractors/Loaders/Backhoes120	120	0.06	0.26	3.70	0.01	0.01	0.00	485.85	0.15	0.01
Tractors/Loaders/Backhoes	2019	2019Tractors/Loaders/Backhoes175	175	0.06	0.26	2.20	0.01	0.01	0.00	477.92	0.15	0.01
Tractors/Loaders/Backhoes	2019	2019Tractors/Loaders/Backhoes250	250	0.06	0.26	2.20	0.01	0.01	0.00	481.42	0.15	0.01
Tractors/Loaders/Backhoes	2019	2019Tractors/Loaders/Backhoes500	500	0.06	0.26	2.20	0.01	0.01	0.00	479.08	0.15	0.01
Tractors/Loaders/Backhoes	2019	2019Tractors/Loaders/Backhoes750	750	0.06	0.26	2.20	0.01	0.01	0.00	478.92	0.15	0.01
Tractors/Loaders/Backhoes	2020	2020Tractors/Loaders/Backhoes25	25	0.12	2.75	4.10	0.01	0.01	0.01	515.87	0.17	0.01
Tractors/Loaders/Backhoes	2020	2020Tractors/Loaders/Backhoes50	50	0.12	2.74	3.70	0.01	0.01	0.01	515.87	0.17	0.01
Tractors/Loaders/Backhoes	2020	2020Tractors/Loaders/Backhoes120	120	0.06	0.26	3.70	0.01	0.01	0.00	475.15	0.15	0.01
Tractors/Loaders/Backhoes	2020	2020Tractors/Loaders/Backhoes175	175	0.06	0.26	2.20	0.01	0.01	0.00	467.51	0.15	0.01
Tractors/Loaders/Backhoes	2020	2020Tractors/Loaders/Backhoes250	250	0.06	0.26	2.20	0.01	0.01	0.00	470.50	0.15	0.01
Tractors/Loaders/Backhoes	2020	2020Tractors/Loaders/Backhoes500	500	0.06	0.26	2.20	0.01	0.01	0.00	468.24	0.15	0.01
Tractors/Loaders/Backhoes	2020	2020Tractors/Loaders/Backhoes750	750	0.06	0.26	2.20	0.01	0.01	0.00	468.66	0.15	0.01
Tractors/Loaders/Backhoes	2021	2021Tractors/Loaders/Backhoes25	25	0.12	2.75	4.10	0.01	0.01	0.01	515.12	0.17	0.01
Tractors/Loaders/Backhoes	2021	2021Tractors/Loaders/Backhoes50	50	0.12	2.74	3.70	0.01	0.01	0.01	515.12	0.17	0.01
Tractors/Loaders/Backhoes	2021	2021Tractors/Loaders/Backhoes120	120	0.06	0.26	3.70	0.01	0.01	0.00	475.36	0.15	0.01
Tractors/Loaders/Backhoes	2021	2021Tractors/Loaders/Backhoes175	175	0.06	0.26	2.20	0.01	0.01	0.00	467.53	0.15	0.01
Tractors/Loaders/Backhoes	2021	2021Tractors/Loaders/Backhoes250	250	0.06	0.26	2.20	0.01	0.01	0.00	470.57	0.15	0.01
Tractors/Loaders/Backhoes	2021	2021Tractors/Loaders/Backhoes500	500	0.06	0.26	2.20	0.01	0.01	0.00	469.30	0.15	0.01
Tractors/Loaders/Backhoes	2021	2021Tractors/Loaders/Backhoes750	750	0.06	0.26	2.20	0.01	0.01	0.00	466.46	0.15	0.01
Tractors/Loaders/Backhoes	2022	2022Tractors/Loaders/Backhoes25	25	0.12	2.75	4.10	0.01	0.01	0.01	514.46	0.17	0.01
Tractors/Loaders/Backhoes	2022	2022Tractors/Loaders/Backhoes50	50	0.12	2.74	3.70	0.01	0.01	0.01	514.46	0.17	0.01
Tractors/Loaders/Backhoes	2022	2022Tractors/Loaders/Backhoes120	120	0.06	0.26	3.70	0.01	0.01	0.00	475.90	0.15	0.01
Tractors/Loaders/Backhoes	2022	2022Tractors/Loaders/Backhoes175	175	0.06	0.26	2.20	0.01	0.01	0.00	467.80	0.15	0.01
Tractors/Loaders/Backhoes	2022	2022Tractors/Loaders/Backhoes250	250	0.06	0.26	2.20	0.01	0.01	0.00	470.12	0.15	0.01
Tractors/Loaders/Backhoes	2022	2022Tractors/Loaders/Backhoes500	500	0.06	0.26	2.20	0.01	0.01	0.00	469.26	0.15	0.01
Tractors/Loaders/Backhoes	2022	2022Tractors/Loaders/Backhoes750	750	0.06	0.26	2.20	0.01	0.01	0.00	466.63	0.15	0.01
Tractors/Loaders/Backhoes	2023	2023Tractors/Loaders/Backhoes25	25	0.12	2.75	4.10	0.01	0.01	0.01	513.80	0.17	0.01
Tractors/Loaders/Backhoes	2023	2023Tractors/Loaders/Backhoes50	50	0.12	2.74	3.70	0.01	0.01	0.01	513.80	0.17	0.01
Tractors/Loaders/Backhoes	2023	2023Tractors/Loaders/Backhoes120	120	0.06	0.26	3.70	0.01	0.01	0.00	476.43	0.15	0.01
Tractors/Loaders/Backhoes	2023	2023Tractors/Loaders/Backhoes175	175	0.06	0.26	2.20	0.01	0.01	0.00	468.82	0.15	0.01
Tractors/Loaders/Backhoes	2023	2023Tractors/Loaders/Backhoes250	250	0.06	0.26	2.20	0.01	0.01	0.00	469.75	0.15	0.01
Tractors/Loaders/Backhoes	2023	2023Tractors/Loaders/Backhoes500	500	0.06	0.26	2.20	0.01	0.01	0.00	469.47	0.15	0.01
Tractors/Loaders/Backhoes	2023	2023Tractors/Loaders/Backhoes750	750	0.06	0.26	2.20	0.01	0.01	0.00	466.68	0.15	0.01
Tractors/Loaders/Backhoes	2024	2024Tractors/Loaders/Backhoes25	25	0.12	2.75	4.10	0.01	0.01	0.01	513.85	0.17	0.01
Tractors/Loaders/Backhoes	2024	2024Tractors/Loaders/Backhoes50	50	0.12	2.74	3.70	0.01	0.01	0.01	513.85	0.17	0.01
Tractors/Loaders/Backhoes	2024	2024Tractors/Loaders/Backhoes120	120	0.06	0.26	3.70	0.01	0.01	0.00	476.73	0.15	0.01
Tractors/Loaders/Backhoes	2024	2024Tractors/Loaders/Backhoes175	175	0.06	0.26	2.20	0.01	0.01	0.00	469.40	0.15	0.01
Tractors/Loaders/Backhoes	2024	2024Tractors/Loaders/Backhoes250	250	0.06	0.26	2.20	0.01	0.01	0.00	469.91	0.15	0.01
Tractors/Loaders/Backhoes	2024	2024Tractors/Loaders/Backhoes500	500	0.06	0.26	2.20	0.01	0.01	0.00	470.08	0.15	0.01
Tractors/Loaders/Backhoes	2024	2024Tractors/Loaders/Backhoes750	750	0.06	0.26	2.20	0.01	0.01	0.00	466.64	0.15	0.01
Tractors/Loaders/Backhoes	2025	2025Tractors/Loaders/Backhoes25	25	0.12	2.75	4.10	0.01	0.01	0.01	513.80	0.17	0.01
Tractors/Loaders/Backhoes	2025	2025Tractors/Loaders/Backhoes50	50	0.12	2.74	3.70	0.01	0.01	0.01	513.80	0.17	0.01
Tractors/Loaders/Backhoes	2025	2025Tractors/Loaders/Backhoes120	120	0.06	0.26	3.70	0.01	0.01	0.00	477.19	0.15	0.01
Tractors/Loaders/Backhoes	2025	2025Tractors/Loaders/Backhoes175	175	0.06	0.26	2.20	0.01	0.01	0.00	469.33	0.15	0.01
Tractors/Loaders/Backhoes	2025	2025Tractors/Loaders/Backhoes250	250	0.06	0.26	2.20	0.01	0.01	0.00	470.60	0.15	0.01
Tractors/Loaders/Backhoes	2025	2025Tractors/Loaders/Backhoes500	500	0.06	0.26	2.20	0.01	0.01	0.00	470.91	0.15	0.01
Tractors/Loaders/Backhoes	2025	2025Tractors/Loaders/Backhoes750	750	0.06	0.26	2.20	0.01	0.01	0.00	466.45	0.15	0.01
Tractors/Loaders/Backhoes	2030	2030Tractors/Loaders/Backhoes25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Tractors/Loaders/Backhoes	2030	2030Tractors/Loaders/Backhoes50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Tractors/Loaders/Backhoes	2030	2030Tractors/Loaders/Backhoes120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Tractors/Loaders/Backhoes	2030	2030Tractors/Loaders/Backhoes175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Tractors/Loaders/Backhoes	2030	2030Tractors/Loaders/Backhoes250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Tractors/Loaders/Backhoes	2030	2030Tractors/Loaders/Backhoes500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Tractors/Loaders/Backhoes	2030	2030Tractors/Loaders/Backhoes750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Tractors/Loaders/Backhoes	2035	2035Tractors/Loaders/Backhoes25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Tractors/Loaders/Backhoes	2035	2035Tractors/Loaders/Backhoes50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Tractors/Loaders/Backhoes	2035	2035Tractors/Loaders/Backhoes120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01

Tractors/Loaders/Backhoes	2035	2035Tractors/Loaders/Backhoes175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Tractors/Loaders/Backhoes	2035	2035Tractors/Loaders/Backhoes250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Tractors/Loaders/Backhoes	2035	2035Tractors/Loaders/Backhoes500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Tractors/Loaders/Backhoes	2035	2035Tractors/Loaders/Backhoes750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Tractors/Loaders/Backhoes	2040	2040Tractors/Loaders/Backhoes25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Tractors/Loaders/Backhoes	2040	2040Tractors/Loaders/Backhoes50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Tractors/Loaders/Backhoes	2040	2040Tractors/Loaders/Backhoes120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Tractors/Loaders/Backhoes	2040	2040Tractors/Loaders/Backhoes175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Tractors/Loaders/Backhoes	2040	2040Tractors/Loaders/Backhoes250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Tractors/Loaders/Backhoes	2040	2040Tractors/Loaders/Backhoes500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Tractors/Loaders/Backhoes	2040	2040Tractors/Loaders/Backhoes750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Trenchers	1990	1990Trenchers15	15	1.80	10.00	5.00	0.98	0.98	1.05	568.30	0.16	0.01
Trenchers	1990	1990Trenchers25	25	0.12	2.75	4.10	0.01	0.01	0.86	568.30	0.20	0.01
Trenchers	1990	1990Trenchers50	50	0.12	2.74	3.70	0.01	0.01	0.87	568.30	0.41	0.01
Trenchers	1990	1990Trenchers120	120	0.06	0.26	3.70	0.01	0.01	0.79	568.30	0.21	0.01
Trenchers	1990	1990Trenchers175	175	0.06	0.26	2.20	0.01	0.01	0.76	568.30	0.16	0.01
Trenchers	1990	1990Trenchers250	250	0.06	0.26	2.20	0.01	0.01	0.76	568.30	0.16	0.01
Trenchers	1990	1990Trenchers500	500	0.06	0.26	2.20	0.01	0.01	0.66	568.30	0.14	0.01
Trenchers	1990	1990Trenchers750	750	0.06	0.26	2.20	0.01	0.01	1.02	568.30	0.14	0.01
Trenchers	2000	2000Trenchers15	15	1.33	7.68	4.26	0.61	0.61	0.08	568.30	0.12	0.01
Trenchers	2000	2000Trenchers25	25	0.12	2.75	4.10	0.01	0.01	0.07	568.30	0.17	0.01
Trenchers	2000	2000Trenchers50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.38	0.01
Trenchers	2000	2000Trenchers120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.17	0.01
Trenchers	2000	2000Trenchers175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.12	0.01
Trenchers	2000	2000Trenchers250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.10	0.01
Trenchers	2000	2000Trenchers500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.09	0.01
Trenchers	2000	2000Trenchers750	750	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.09	0.01
Trenchers	2005	2005Trenchers15	15	0.74	4.98	3.47	0.35	0.35	0.08	568.30	0.07	0.01
Trenchers	2005	2005Trenchers25	25	0.12	2.75	4.10	0.01	0.01	0.07	568.30	0.08	0.01
Trenchers	2005	2005Trenchers50	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.35	0.01
Trenchers	2005	2005Trenchers120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.15	0.01
Trenchers	2005	2005Trenchers175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.10	0.01
Trenchers	2005	2005Trenchers250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.08	0.01
Trenchers	2005	2005Trenchers500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.07	0.01
Trenchers	2005	2005Trenchers750	750	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.07	0.01
Trenchers	2010	2010Trenchers15	15	1.29	5.53	5.11	0.51	0.47	0.01	586.30	0.17	0.01
Trenchers	2010	2010Trenchers25	25	0.12	2.75	4.10	0.01	0.01	0.01	586.30	0.17	0.01
Trenchers	2010	2010Trenchers50	50	0.12	2.74	3.70	0.01	0.01	0.01	586.30	0.17	0.01
Trenchers	2010	2010Trenchers120	120	0.06	0.26	3.70	0.01	0.01	0.00	529.31	0.15	0.01
Trenchers	2010	2010Trenchers175	175	0.06	0.26	2.20	0.01	0.01	0.00	519.69	0.15	0.01
Trenchers	2010	2010Trenchers250	250	0.06	0.26	2.20	0.01	0.01	0.00	527.35	0.15	0.01
Trenchers	2010	2010Trenchers500	500	0.06	0.26	2.20	0.01	0.01	0.00	523.78	0.15	0.01
Trenchers	2010	2010Trenchers750	750	0.06	0.26	2.20	0.01	0.01	0.00	525.79	0.15	0.01
Trenchers	2011	2011Trenchers15	15	1.28	5.52	5.15	0.51	0.47	0.01	585.03	0.17	0.01
Trenchers	2011	2011Trenchers25	25	0.12	2.75	4.10	0.01	0.01	0.01	585.03	0.17	0.01
Trenchers	2011	2011Trenchers50	50	0.12	2.74	3.70	0.01	0.01	0.01	585.03	0.17	0.01
Trenchers	2011	2011Trenchers120	120	0.06	0.26	3.70	0.01	0.01	0.00	527.72	0.15	0.01
Trenchers	2011	2011Trenchers175	175	0.06	0.26	2.20	0.01	0.01	0.00	518.40	0.15	0.01
Trenchers	2011	2011Trenchers250	250	0.06	0.26	2.20	0.01	0.01	0.00	525.95	0.15	0.01
Trenchers	2011	2011Trenchers500	500	0.06	0.26	2.20	0.01	0.01	0.00	522.84	0.15	0.01
Trenchers	2011	2011Trenchers750	750	0.06	0.26	2.20	0.01	0.01	0.00	525.69	0.15	0.01
Trenchers	2012	2012Trenchers15	15	1.30	5.54	5.24	0.51	0.47	0.01	583.56	0.17	0.01
Trenchers	2012	2012Trenchers25	25	0.12	2.75	4.10	0.01	0.01	0.01	583.56	0.17	0.01
Trenchers	2012	2012Trenchers50	50	0.12	2.74	3.70	0.01	0.01	0.01	583.56	0.17	0.01
Trenchers	2012	2012Trenchers120	120	0.06	0.26	3.70	0.01	0.01	0.00	526.36	0.15	0.01
Trenchers	2012	2012Trenchers175	175	0.06	0.26	2.20	0.01	0.01	0.00	517.11	0.15	0.01
Trenchers	2012	2012Trenchers250	250	0.06	0.26	2.20	0.01	0.01	0.00	524.57	0.15	0.01
Trenchers	2012	2012Trenchers500	500	0.06	0.26	2.20	0.01	0.01	0.00	521.63	0.15	0.01
Trenchers	2012	2012Trenchers750	750	0.06	0.26	2.20	0.01	0.01	0.00	524.85	0.15	0.01
Trenchers	2013	2013Trenchers15	15	1.29	5.51	5.29	0.51	0.47	0.01	580.77	0.17	0.01
Trenchers	2013	2013Trenchers25	25	0.12	2.75	4.10	0.01	0.01	0.01	580.77	0.17	0.01
Trenchers	2013	2013Trenchers50	50	0.12	2.74	3.70	0.01	0.01	0.01	580.77	0.17	0.01
Trenchers	2013	2013Trenchers120	120	0.06	0.26	3.70	0.01	0.01	0.00	523.42	0.15	0.01
Trenchers	2013	2013Trenchers175	175	0.06	0.26	2.20	0.01	0.01	0.00	514.53	0.15	0.01
Trenchers	2013	2013Trenchers250	250	0.06	0.26	2.20	0.01	0.01	0.00	520.43	0.15	0.01
Trenchers	2013	2013Trenchers500	500	0.06	0.26	2.20	0.01	0.01	0.00	519.04	0.15	0.01
Trenchers	2013	2013Trenchers750	750	0.06	0.26	2.20	0.01	0.01	0.00	522.28	0.15	0.01
Trenchers	2014	2014Trenchers15	15	1.27	5.46	5.29	0.50	0.46	0.01	577.73	0.17	0.01
Trenchers	2014	2014Trenchers25	25	0.12	2.75	4.10	0.01	0.01	0.01	577.73	0.17	0.01
Trenchers	2014	2014Trenchers50	50	0.12	2.74	3.70	0.01	0.01	0.01	577.73	0.17	0.01
Trenchers	2014	2014Trenchers120	120	0.06	0.26	3.70	0.01	0.01	0.00	520.77	0.15	0.01
Trenchers	2014	2014Trenchers175	175	0.06	0.26	2.20	0.01	0.01	0.00	512.15	0.15	0.01
Trenchers	2014	2014Trenchers250	250	0.06	0.26	2.20	0.01	0.01	0.00	517.72	0.15	0.01
Trenchers	2014	2014Trenchers500	500	0.06	0.26	2.20	0.01	0.01	0.00	513.74	0.15	0.01
Trenchers	2014	2014Trenchers750	750	0.06	0.26	2.20	0.01	0.01	0.00	519.66	0.15	0.01
Trenchers	2015	2015Trenchers15	15	1.26	5.41	5.32	0.49	0.45	0.01	571.67	0.17	0.01
Trenchers	2015	2015Trenchers25	25	0.12	2.75	4.10	0.01	0.01	0.01	571.67	0.17	0.01
Trenchers	2015	2015Trenchers50	50	0.12	2.74	3.70	0.01	0.01	0.01	571.67	0.17	0.01
Trenchers	2015	2015Trenchers120	120	0.06	0.26	3.70	0.01	0.01	0.00	515.40	0.15	0.01
Trenchers	2015	2015Trenchers175	175	0.06	0.26	2.20	0.01	0.01	0.00	506.94	0.15	0.01
Trenchers	2015	2015Trenchers250	250	0.06	0.26	2.20	0.01	0.01	0.00	512.43	0.15	0.01
Trenchers	2015	2015Trenchers500	500	0.06	0.26	2.20	0.01	0.01	0.00	508.33	0.15	0.01
Trenchers	2015	2015Trenchers750	750	0.06	0.26	2.20	0.01	0.01	0.00	514.40	0.15	0.01
Trenchers	2016	2016Trenchers15	15	1.22	5.30	5.28	0.47	0.44	0.01	565.99	0.17	0.01
Trenchers	2016	2016Trenchers25	25	0.12	2.75	4.10	0.01	0.01	0.01	565.99	0.17	0.01
Trenchers	2016	2016Trenchers50	50	0.12	2.74	3.70	0.01	0.01	0.01	565.99	0.17	0.01
Trenchers	2016	2016Trenchers120	120	0.06	0.26	3.70	0.01	0.01	0.00	509.90	0.15	0.01
Trenchers	2016	2016Trenchers175	175	0.06	0.26	2.20	0.01	0.01	0.00	501.78	0.15	0.01
Trenchers	2016	2016Trenchers250	250	0.06	0.26	2.20	0.01	0.01	0.00	507.14	0.15	0.01
Trenchers	2016	2016Trenchers500	500	0.06	0.26	2.20	0.01	0.01	0.00	504.41	0.15	0.01
Trenchers	2016	2016Trenchers750	750	0.06	0.26	2.20	0.01	0.01	0.00	509.14	0.15	0.01
Trenchers	2017	2017Trenchers15	15	1.15	5.17	5.20	0.45	0.41	0.01	557.46	0.17	0.01
Trenchers	2017	2017Trenchers25	25	0.12	2.75	4.10	0.01	0.01	0.01	557.46	0.17	0.01
Trenchers	2017	2017Trenchers50	50	0.12	2.74	3.70	0.01	0.01	0.01	557.46	0.17	0.01
Trenchers	2017	2017Trenchers120	120	0.06	0.26	3.70	0.01	0.01	0.00	501.99	0.15	0.01
Trenchers	2017	2017Trenchers175	175	0.06	0.26	2.20	0.01	0.01	0.00	493.76	0.15	0.01
Trenchers	2017	2017Trenchers250	250	0.06	0.26	2.20	0.01	0.01	0.00	499.23	0.15	0.01
Trenchers	2017	2017Trenchers500	500	0.06	0.26	2.20	0.01	0.01	0.00	497.02	0.15	0.01
Trenchers	2017	2017Trenchers750	750	0.06	0.26	2.20	0.01	0.01	0.00	501.18	0.15	0.01
Trenchers	2018	2018Trenchers15	15	1.04	4.96	5.02	0.41	0.38	0.01	548.36	0.17	0.01
Trenchers	2018	2018Trenchers25	25	0.12	2.75	4.10	0.01	0.01	0.01	548.36	0.17	0.01
Trenchers	2018	2018Trenchers50	50	0.12	2.74	3.70	0.01	0.01	0.01	548.36	0.17	0.01
Trenchers	2018	2018Trenchers120	120	0.06	0.26	3.70	0.01	0.01	0.00	493.72	0.15	0.01
Trenchers	2018	2018Trenchers175	175	0.06	0.26	2.20	0.01	0.01	0.00	485.93	0.15	0.01
Trenchers	2018	2018Trenchers250	250	0.06	0.26	2.20	0.01	0.01	0.00	491.56	0.15	0.01
Trenchers	2018	2018Trenchers500	500	0.06	0.26	2.20	0.01	0.01	0.00	489.63	0.15	0.01
Trenchers	2018	2018Trenchers750	750	0.06	0.26	2.20	0.01	0.01	0.00	494.64	0.15	0.01
Trenchers	2019	2019Trenchers15	15	0.96	4.78	4.89	0.38	0.35	0.01	539.10	0.17	0.01
Trenchers	2019	2019Trenchers25	25	0.12	2.75	4.10	0.01	0.01	0.01	539.10	0.17	0.01
Trenchers	2019	2019Trenchers50	50	0.12	2.74	3.70	0.01	0.01	0.01	539.10	0.17	0.01
Trenchers	2019	2019Trenchers120	120	0.06	0.26	3.70	0.01	0.01	0.00	485.36	0.15	0.01
Trenchers	2019	2019Trenchers175	175	0.06	0.26	2.20	0.01	0.01	0.00	478.13	0.15	0.01
Trenchers	2019	2019Trenchers250	250	0.06	0.26	2.20	0.01	0.01	0.00	484.12	0.15	0.01
Trenchers	2019	2019Trenchers500	500	0.06	0.26	2.20	0.01	0.01	0.00	482.16	0.15	0.01
Trenchers	2019	2019Trenchers750	750	0.06	0.26	2.20	0.01	0.01	0.00	484.54	0.15	0.01
Trenchers	2020	2020Trenchers15	15	0.90	4.68	4.83	0.36	0.33	0.01	527.10	0.17	0.01
Trenchers	2020	2020Trenchers25	25	0.12	2.75	4.10	0.01	0.01	0.01	527.10	0.17	0.01
Trenchers	2020	2020Trenchers50	50	0.12	2.74	3.70	0.01	0.01	0.01	527.10	0.17	0.01
Trenchers	2020	2020Trenchers120	120	0.06	0.26	3.70	0.01	0.01	0.00	475.13	0.15	0.01
Trenchers	2020	2020Trenchers175	175	0.06	0.26	2.20	0.01	0.01	0.00	467.73	0.15	0.01
Trenchers	2020	2020Trenchers250	250	0.06	0.26	2.20	0.01	0.01	0.00	473.60	0.15	0.01
Trenchers	2020	2020Trenchers500	500	0.06	0.26	2.20	0.01	0.01	0.00	470.64	0.15	0.01
Trenchers	2020	2020Trenchers750	750	0.06	0.26	2.20	0.01	0.01	0.00	472.66	0.15	0.01
Trenchers	2021	2021Trenchers15	15	0.81	4.46	4.67	0.31	0.29	0.01	527.02	0.17	0.01
Trenchers	2021	2021Trenchers25	25	0.12	2.75	4.10	0.01	0.01	0.01	527.02	0.17	0.01
Trenchers	2021	2021Trenchers50	50	0.12	2.74	3.70	0.01	0.01	0.01	527.02	0.17	0.01
Trenchers	2021	2021Trenchers120	120	0.06	0.26	3.70	0.01	0.01	0.00	475.29	0.15	0.01
Trenchers	2021	2021Trenchers175	175	0.06	0.26	2.20	0.01	0.01	0.00	467.73	0.15	0.01
Trenchers	2021	2021Trenchers250	250	0.06	0.26	2.20	0.01	0.01	0.00	473.85	0.15	0.01
Trenchers	2021	2021Trenchers500	500	0.06	0.26	2.20	0.01	0.01	0.00	470.70	0.15	0.01
Trenchers	2021	2021Trenchers750	750	0.06	0.26	2.20	0.01	0.01	0.00	472.53	0.15	0.01
Trenchers	2022	2022Trenchers15	15	0.72	4.27	4.52	0.28	0.25	0.01	527.03	0.17	0.01
Trenchers	2022	2022Trenchers25	25	0.12	2.75	4.10	0.01	0.01	0.01	527.03	0.17	0.01
Trenchers	2022	2022Trenchers50	50	0.12	2.74	3.70	0.01	0.01	0.01	527.03	0.17	0.01
Trenchers	2022	2022Trenchers120	120	0.06	0.26	3.70	0.01	0.01	0.00	475.33	0.15	0.01
Trenchers	2022	2022Trenchers175	175	0.06	0.26	2.20	0.01	0.01	0.00	467.73	0.15	0.01
Trenchers	2022	2022Trenchers250	250	0.06	0.26	2.20	0.01	0.01	0.00	473.85	0.15	0.01
Trenchers	2022	2022Trenchers500	500	0.06	0.26	2.20	0.01	0.01	0.00	470.58	0.15	0.01
Trenchers	2022	2022Trenchers750	750	0.06	0.26	2.20	0.01	0.01	0.00	474.29	0.15	0.01
Trenchers	2023	2023Trenchers15	15	0.64	3.96	4.30	0.22	0.20	0.01	527.10	0.17	0.01
Trenchers	2023	2023Trenchers25	25	0.12	2.75	4.10	0.01	0.01	0.01	527.10	0.17	0.01
Trenchers	2023	2023Trenchers50	50	0.12	2.74	3.70	0.01	0.01	0.01	527.10	0.17	0.01

Trenchers	2023	2023Trenchers120	120	0.06	0.26	3.70	0.01	0.01	0.00	475.69	0.15	0.01
Trenchers	2023	2023Trenchers175	175	0.06	0.26	2.20	0.01	0.01	0.00	467.73	0.15	0.01
Trenchers	2023	2023Trenchers250	250	0.06	0.26	2.20	0.01	0.01	0.00	473.85	0.15	0.01
Trenchers	2023	2023Trenchers500	500	0.06	0.26	2.20	0.01	0.01	0.00	471.61	0.15	0.01
Trenchers	2023	2023Trenchers750	750	0.06	0.26	2.20	0.01	0.01	0.00	474.47	0.15	0.01
Trenchers	2024	2024Trenchers15	15	0.60	3.83	4.23	0.20	0.18	0.01	527.02	0.17	0.01
Trenchers	2024	2024Trenchers25	25	0.12	2.75	4.10	0.01	0.01	0.01	527.02	0.17	0.01
Trenchers	2024	2024TrenchersS0	50	0.12	2.74	3.70	0.01	0.01	0.01	527.02	0.17	0.01
Trenchers	2024	2024Trenchers120	120	0.06	0.26	3.70	0.01	0.01	0.00	475.63	0.15	0.01
Trenchers	2024	2024Trenchers175	175	0.06	0.26	2.20	0.01	0.01	0.00	467.73	0.15	0.01
Trenchers	2024	2024Trenchers250	250	0.06	0.26	2.20	0.01	0.01	0.00	473.85	0.15	0.01
Trenchers	2024	2024Trenchers500	500	0.06	0.26	2.20	0.01	0.01	0.00	469.99	0.15	0.01
Trenchers	2024	2024Trenchers750	750	0.06	0.26	2.20	0.01	0.01	0.00	474.48	0.15	0.01
Trenchers	2025	2025Trenchers15	15	0.54	3.66	4.12	0.16	0.15	0.01	527.16	0.17	0.01
Trenchers	2025	2025Trenchers25	25	0.12	2.75	4.10	0.01	0.01	0.01	527.16	0.17	0.01
Trenchers	2025	2025TrenchersS0	50	0.12	2.74	3.70	0.01	0.01	0.01	527.16	0.17	0.01
Trenchers	2025	2025Trenchers120	120	0.06	0.26	3.70	0.01	0.01	0.00	475.90	0.15	0.01
Trenchers	2025	2025Trenchers175	175	0.06	0.26	2.20	0.01	0.01	0.00	467.73	0.15	0.01
Trenchers	2025	2025Trenchers250	250	0.06	0.26	2.20	0.01	0.01	0.00	473.92	0.15	0.01
Trenchers	2025	2025Trenchers500	500	0.06	0.26	2.20	0.01	0.01	0.00	470.44	0.15	0.01
Trenchers	2025	2025Trenchers750	750	0.06	0.26	2.20	0.01	0.01	0.00	474.49	0.15	0.01
Trenchers	2030	2030Trenchers15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Trenchers	2030	2030Trenchers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Trenchers	2030	2030TrenchersS0	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.08	0.01
Trenchers	2030	2030Trenchers120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Trenchers	2030	2030Trenchers175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Trenchers	2030	2030Trenchers250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Trenchers	2030	2030Trenchers500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Trenchers	2030	2030Trenchers750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Trenchers	2035	2035Trenchers15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Trenchers	2035	2035Trenchers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Trenchers	2035	2035TrenchersS0	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.06	0.01
Trenchers	2035	2035Trenchers120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Trenchers	2035	2035Trenchers175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Trenchers	2035	2035Trenchers250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Trenchers	2035	2035Trenchers500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Trenchers	2035	2035Trenchers750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Trenchers	2040	2040Trenchers15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Trenchers	2040	2040Trenchers25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Trenchers	2040	2040TrenchersS0	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Trenchers	2040	2040Trenchers120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Trenchers	2040	2040Trenchers175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Trenchers	2040	2040Trenchers250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Trenchers	2040	2040Trenchers500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Trenchers	2040	2040Trenchers750	750	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Welders	1990	1990Welders15	15	1.80	10.00	5.00	0.97	0.97	1.02	568.30	0.16	0.01
Welders	1990	1990Welders25	25	0.12	2.75	4.10	0.01	0.01	0.83	568.30	0.20	0.01
Welders	1990	1990WeldersS0	50	0.12	2.74	3.70	0.01	0.01	0.85	568.30	0.35	0.01
Welders	1990	1990Welders120	120	0.06	0.26	3.70	0.01	0.01	0.77	568.30	0.19	0.01
Welders	1990	1990Welders175	175	0.06	0.26	2.20	0.01	0.01	0.74	568.30	0.13	0.01
Welders	1990	1990Welders250	250	0.06	0.26	2.20	0.01	0.01	0.74	568.30	0.13	0.01
Welders	1990	1990Welders500	500	0.06	0.26	2.20	0.01	0.01	0.64	568.30	0.12	0.01
Welders	2000	2000Welders15	15	1.72	9.08	4.88	0.75	0.75	0.08	568.30	0.16	0.01
Welders	2000	2000Welders25	25	0.12	2.75	4.10	0.01	0.01	0.07	568.30	0.19	0.01
Welders	2000	2000WeldersS0	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.33	0.01
Welders	2000	2000Welders120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.15	0.01
Welders	2000	2000Welders175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.10	0.01
Welders	2000	2000Welders250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.09	0.01
Welders	2000	2000Welders500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.08	0.01
Welders	2005	2005Welders15	15	1.39	7.82	4.38	0.62	0.62	0.08	568.30	0.13	0.01
Welders	2005	2005Welders25	25	0.12	2.75	4.10	0.01	0.01	0.07	568.30	0.15	0.01
Welders	2005	2005WeldersS0	50	0.12	2.74	3.70	0.01	0.01	0.07	568.30	0.29	0.01
Welders	2005	2005Welders120	120	0.06	0.26	3.70	0.01	0.01	0.06	568.30	0.13	0.01
Welders	2005	2005Welders175	175	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.09	0.01
Welders	2005	2005Welders250	250	0.06	0.26	2.20	0.01	0.01	0.06	568.30	0.06	0.01
Welders	2005	2005Welders500	500	0.06	0.26	2.20	0.01	0.01	0.05	568.30	0.05	0.01
Welders	2010	2010Welders15	15	1.12	6.55	4.03	0.47	0.47	0.01	568.30	0.10	0.01
Welders	2010	2010Welders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.11	0.01
Welders	2010	2010WeldersS0	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.24	0.01
Welders	2010	2010Welders120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.10	0.01
Welders	2010	2010Welders175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.07	0.01
Welders	2010	2010Welders250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Welders	2010	2010Welders500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Welders	2011	2011Welders15	15	1.07	6.28	3.95	0.44	0.44	0.01	568.30	0.10	0.01
Welders	2011	2011Welders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.11	0.01
Welders	2011	2011WeldersS0	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.22	0.01
Welders	2011	2011Welders120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.10	0.01
Welders	2011	2011Welders175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.06	0.01
Welders	2011	2011Welders250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Welders	2011	2011Welders500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Welders	2012	2012Welders15	15	1.01	6.00	3.87	0.41	0.41	0.01	568.30	0.09	0.01
Welders	2012	2012Welders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.10	0.01
Welders	2012	2012WeldersS0	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.21	0.01
Welders	2012	2012Welders120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.09	0.01
Welders	2012	2012Welders175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.06	0.01
Welders	2012	2012Welders250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Welders	2012	2012Welders500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Welders	2013	2013Welders15	15	0.95	5.72	3.80	0.37	0.37	0.01	568.30	0.09	0.01
Welders	2013	2013Welders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.09	0.01
Welders	2013	2013WeldersS0	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.19	0.01
Welders	2013	2013Welders120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.08	0.01
Welders	2013	2013Welders175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.06	0.01
Welders	2013	2013Welders250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Welders	2013	2013Welders500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Welders	2014	2014Welders15	15	0.89	5.45	3.72	0.34	0.34	0.01	568.30	0.08	0.01
Welders	2014	2014Welders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.09	0.01
Welders	2014	2014WeldersS0	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.17	0.01
Welders	2014	2014Welders120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.08	0.01
Welders	2014	2014Welders175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.05	0.01
Welders	2014	2014Welders250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Welders	2014	2014Welders500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Welders	2015	2015Welders15	15	0.84	5.20	3.66	0.31	0.31	0.01	568.30	0.08	0.01
Welders	2015	2015Welders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.08	0.01
Welders	2015	2015WeldersS0	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.15	0.01
Welders	2015	2015Welders120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.07	0.01
Welders	2015	2015Welders175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.05	0.01
Welders	2015	2015Welders250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Welders	2015	2015Welders500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Welders	2016	2016Welders15	15	0.81	5.02	3.62	0.29	0.29	0.01	568.30	0.07	0.01
Welders	2016	2016Welders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.08	0.01
Welders	2016	2016WeldersS0	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.14	0.01
Welders	2016	2016Welders120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.06	0.01
Welders	2016	2016Welders175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Welders	2016	2016Welders250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Welders	2016	2016Welders500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Welders	2017	2017Welders15	15	0.79	4.89	3.60	0.27	0.27	0.01	568.30	0.07	0.01
Welders	2017	2017Welders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Welders	2017	2017WeldersS0	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.12	0.01
Welders	2017	2017Welders120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.06	0.01
Welders	2017	2017Welders175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Welders	2017	2017Welders250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Welders	2017	2017Welders500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Welders	2018	2018Welders15	15	0.77	4.76	3.58	0.26	0.26	0.01	568.30	0.07	0.01
Welders	2018	2018Welders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Welders	2018	2018WeldersS0	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.11	0.01
Welders	2018	2018Welders120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Welders	2018	2018Welders175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.04	0.01
Welders	2018	2018Welders250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Welders	2018	2018Welders500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Welders	2019	2019Welders15	15	0.75	4.65	3.56	0.24	0.24	0.01	568.30	0.07	0.01
Welders	2019	2019Welders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Welders	2019	2019WeldersS0	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.10	0.01
Welders	2019	2019Welders120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Welders	2019	2019Welders175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Welders	2019	2019Welders250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Welders	2019	2019Welders500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Welders	2020	2020Welders15	15	0.73	4.54	3.55	0.23	0.23	0.01	568.30	0.07	0.01
Welders	2020	2020Welders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Welders	2020	2020WeldersS0	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.08	0.01
Welders	2020	2020Welders120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Welders	2020	2020Welders175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Welders	2020	2020Welders250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01

Welders	2020	2020Welders500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Welders	2021	2021Welders15	15	0.72	4.46	3.53	0.21	0.21	0.01	568.30	0.06	0.01
Welders	2021	2021Welders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Welders	2021	2021Welders50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.07	0.01
Welders	2021	2021Welders120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Welders	2021	2021Welders175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Welders	2021	2021Welders250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Welders	2021	2021Welders500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Welders	2022	2022Welders15	15	0.71	4.41	3.52	0.20	0.20	0.01	568.30	0.06	0.01
Welders	2022	2022Welders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Welders	2022	2022Welders50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.07	0.01
Welders	2022	2022Welders120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Welders	2022	2022Welders175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Welders	2022	2022Welders250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Welders	2022	2022Welders500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Welders	2023	2023Welders15	15	0.70	4.36	3.51	0.19	0.19	0.01	568.30	0.06	0.01
Welders	2023	2023Welders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.07	0.01
Welders	2023	2023Welders50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.06	0.01
Welders	2023	2023Welders120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Welders	2023	2023Welders175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01
Welders	2023	2023Welders250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Welders	2023	2023Welders500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Welders	2024	2024Welders15	15	0.69	4.32	3.50	0.19	0.19	0.01	568.30	0.06	0.01
Welders	2024	2024Welders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Welders	2024	2024Welders50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.06	0.01
Welders	2024	2024Welders120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Welders	2024	2024Welders175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Welders	2024	2024Welders250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Welders	2024	2024Welders500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Welders	2025	2025Welders15	15	0.68	4.28	3.49	0.18	0.18	0.01	568.30	0.06	0.01
Welders	2025	2025Welders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Welders	2025	2025Welders50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.05	0.01
Welders	2025	2025Welders120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.03	0.01
Welders	2025	2025Welders175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Welders	2025	2025Welders250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Welders	2025	2025Welders500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Welders	2030	2030Welders15	15	0.66	4.16	3.47	0.17	0.17	0.01	568.30	0.06	0.01
Welders	2030	2030Welders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Welders	2030	2030Welders50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Welders	2030	2030Welders120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Welders	2030	2030Welders175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
Welders	2030	2030Welders250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Welders	2030	2030Welders500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Welders	2035	2035Welders15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Welders	2035	2035Welders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Welders	2035	2035Welders50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Welders	2035	2035Welders120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Welders	2035	2035Welders175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Welders	2035	2035Welders250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Welders	2035	2035Welders500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Welders	2040	2040Welders15	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Welders	2040	2040Welders25	25	0.12	2.75	4.10	0.01	0.01	0.01	568.30	0.06	0.01
Welders	2040	2040Welders50	50	0.12	2.74	3.70	0.01	0.01	0.01	568.30	0.04	0.01
Welders	2040	2040Welders120	120	0.06	0.26	3.70	0.01	0.01	0.01	568.30	0.02	0.01
Welders	2040	2040Welders175	175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Welders	2040	2040Welders250	250	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01
Welders	2040	2040Welders500	500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.01	0.01

Source: EMFAC2017. Offsite emission factors for aggregate speeds. Onsite emission factors for 5 mph.

	Running (RUNEX, PMTW, PMBW) grams per mile											Process (IDLEX, STREX, TOTEX, DIURN, HTSK, RUNLS, RESTL) grams per trip									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Lookup	ROG	NOx	CO	PM10 Ex	PM10 D	PM2.5 Ex	PM2.5 D	SO2	CO2	CH4	N2O	ROG	NOx	CO	PM10 Ex	PM10 D	PM2.5 Ex	PM2.5 D	SO2	CO2	CH4	N2O
2022SFBAABLDA-LDT	0.01	0.05	0.69	0.00	0.04	0.00	0.02	0.00	276	0.00	0.01	0.78	0.22	2.45	0.00	0.00	0.00	0.00	0.00	58.19	0.06	0.03
2023SFBAABLDA-LDT	0.01	0.04	0.63	0.00	0.04	0.00	0.02	0.00	268	0.00	0.00	0.73	0.21	2.37	0.00	0.00	0.00	0.00	0.00	56.37	0.05	0.03
2024SFBAABLDA-LDT	0.01	0.04	0.59	0.00	0.04	0.00	0.02	0.00	262	0.00	0.00	0.69	0.19	2.29	0.00	0.00	0.00	0.00	0.00	54.55	0.05	0.03
2022SFBAABMDV	0.02	0.09	0.91	0.00	0.04	0.00	0.02	0.00	396	0.00	0.01	1.17	0.36	3.35	0.00	0.00	0.00	0.00	0.00	84.00	0.09	0.04
2023SFBAABMDV	0.02	0.08	0.83	0.00	0.04	0.00	0.02	0.00	382	0.00	0.01	1.10	0.33	3.17	0.00	0.00	0.00	0.00	0.00	81.00	0.08	0.03
2024SFBAABMDV	0.01	0.07	0.75	0.00	0.04	0.00	0.02	0.00	368	0.00	0.01	1.04	0.30	2.99	0.00	0.00	0.00	0.00	0.00	78.00	0.07	0.03
2022SFBAABT6	0.05	1.86	0.19	0.02	0.14	0.02	0.06	0.01	987	0.00	0.16	0.01	2.17	0.17	0.00	0.00	0.00	0.00	0.00	54	0.00	0.01
2023SFBAABT6	0.01	1.41	0.10	0.01	0.14	0.01	0.06	0.01	954	0.00	0.15	0.00	2.37	0.18	0.00	0.00	0.00	0.00	0.00	52	0.00	0.01
2024SFBAABT6	0.01	1.44	0.10	0.01	0.14	0.01	0.06	0.01	936	0.00	0.15	0.00	2.37	0.18	0.00	0.00	0.00	0.00	0.00	52	0.00	0.01
2022SFBAABT7	0.18	4.70	0.66	0.04	0.10	0.04	0.04	0.02	1,794	0.01	0.28	0.35	8.72	4.78	0.00	0.00	0.00	0.00	0.01	904	0.02	0.14
2023SFBAABT7	0.04	3.53	0.43	0.02	0.10	0.02	0.04	0.02	1,727	0.00	0.27	0.35	8.63	5.13	0.00	0.00	0.00	0.00	0.01	883	0.02	0.14
2024SFBAABT7	0.04	3.49	0.43	0.02	0.10	0.02	0.04	0.02	1,704	0.00	0.27	0.35	8.64	5.14	0.00	0.00	0.00	0.00	0.01	874	0.02	0.14
2022SJVABLDA-LDT	0.01	0.06	0.76	0.00	0.04	0.00	0.02	0.00	288	0.00	0.01	0.92	0.23	2.39	0.00	0.00	0.00	0.00	0.00	59	0.06	0.03
2023SJVABLDA-LDT	0.01	0.05	0.69	0.00	0.04	0.00	0.02	0.00	280	0.00	0.01	0.85	0.21	2.31	0.00	0.00	0.00	0.00	0.00	57.20	0.06	0.03
2024SJVABLDA-LDT	0.01	0.04	0.64	0.00	0.04	0.00	0.02	0.00	273	0.00	0.00	0.80	0.20	2.22	0.00	0.00	0.00	0.00	0.00	55.29	0.05	0.03
2022SJVABMDV	0.02	0.12	1.09	0.00	0.04	0.00	0.02	0.00	429	0.01	0.01	1.50	0.41	3.47	0.00	0.00	0.00	0.00	0.00	90.00	0.10	0.04
2023SJVABMDV	0.02	0.10	0.99	0.00	0.04	0.00	0.02	0.00	416	0.00	0.01	1.44	0.38	3.29	0.00	0.00	0.00	0.00	0.00	87.00	0.09	0.04
2024SJVABMDV	0.02	0.09	0.90	0.00	0.04	0.00	0.02	0.00	403	0.00	0.01	1.38	0.35	3.12	0.00	0.00	0.00	0.00	0.00	84.00	0.08	0.03
2022SJVABT6	0.07	2.21	0.25	0.03	0.14	0.03	0.06	0.01	1,021	0.00	0.16	0.01	2.10	0.17	0.00	0.00	0.00	0.00	0.00	56	0.00	0.01
2023SJVABT6	0.01	1.54	0.11	0.01	0.14	0.01	0.06	0.01	984	0.00	0.15	0.00	2.37	0.18	0.00	0.00	0.00	0.00	0.00	53	0.00	0.01
2024SJVABT6	0.01	1.58	0.11	0.01	0.14	0.01	0.06	0.01	974	0.00	0.15	0.00	2.37	0.18	0.00	0.00	0.00	0.00	0.00	53	0.00	0.01
2022SJVABT7	0.18	4.73	0.66	0.04	0.10	0.04	0.04	0.02	1,794	0.01	0.28	0.35	8.72	4.78	0.00	0.00	0.00	0.00	0.01	904	0.02	0.14
2023SJVABT7	0.04	3.55	0.43	0.02	0.10	0.02	0.04	0.02	1,727	0.00	0.27	0.35	8.63	5.13	0.00	0.00	0.00	0.00	0.01	883	0.02	0.14
2024SJVABT7	0.04	3.51	0.43	0.02	0.10	0.02	0.04	0.02	1,704	0.00	0.27	0.35	8.64	5.14	0.00	0.00	0.00	0.00	0.01	874	0.02	0.14
2022SFBAABT6Onsite	0.34	6.90	1.13	0.05	0.14	0.05	0.06	0.01	2,318	0.02	0.36	0.01	2.17	0.17	0.00	0.00	0.00	0.00	0.00	54	0.00	0.01
2023SFBAABT6Onsite	0.05	6.29	0.77	0.00	0.14	0.00	0.06	0.01	2,279	0.00	0.36	0.00	2.37	0.18	0.00	0.00	0.00	0.00	0.00	52	0.00	0.01
2024SFBAABT6Onsite	0.05	6.42	0.78	0.00	0.14	0.00	0.06	0.01	2,236	0.00	0.35	0.00	2.37	0.18	0.00	0.00	0.00	0.00	0.00	52	0.00	0.01
2022SFBAABT7Onsite	0.70	12.35	2.51	0.09	0.10	0.09	0.04	0.02	3,568	0.03	0.56	0.35	8.72	4.78	0.00	0.00	0.00	0.00	0.01	904	0.02	0.14
2023SFBAABT7Onsite	0.16	10.65	1.78	0.02	0.10	0.02	0.04	0.02	3,499	0.01	0.55	0.35	8.63	5.13	0.00	0.00	0.00	0.00	0.01	883	0.02	0.14
2024SFBAABT7Onsite	0.15	10.65	1.79	0.02	0.10	0.02	0.04	0.02	3,455	0.01	0.54	0.35	8.64	5.14	0.00	0.00	0.00	0.00	0.01	874	0.02	0.14
2022SFBAABLDA-LDTOnsite	0.08	0.10	1.39	0.01	0.04	0.01	0.02	0.00	674	0.02	0.01	0.78	0.22	2.45	0.00	0.00	0.00	0.00	0.00	58.19	0.06	0.03
2023SFBAABLDA-LDTOnsite	0.07	0.08	1.29	0.01	0.04	0.01	0.02	0.00	658	0.02	0.01	0.73	0.21	2.37	0.00	0.00	0.00	0.00	0.00	56.37	0.05	0.03
2024SFBAABLDA-LDTOnsite	0.06	0.08	1.20	0.01	0.04	0.01	0.02	0.00	644	0.02	0.01	0.69	0.19	2.29	0.00	0.00	0.00	0.00	0.00	54.55	0.05	0.03
2022SFBAABMDVOnsite	0.12	0.18	1.92	0.01	0.04	0.01	0.02	0.00	953	0.03	0.02	1.17	0.36	3.35	0.00	0.00	0.00	0.00	0.00	84.00	0.09	0.04
2023SFBAABMDVOnsite	0.11	0.15	1.75	0.01	0.04	0.01	0.02	0.00	921	0.03	0.02	1.10	0.33	3.17	0.00	0.00	0.00	0.00	0.00	81.00	0.08	0.03
2024SFBAABMDVOnsite	0.10	0.13	1.58	0.01	0.04	0.01	0.02	0.00	890	0.02	0.01	1.04	0.30	2.99	0.00	0.00	0.00	0.00	0.00	78.00	0.07	0.03
2022SJVABT6Onsite	0.50	7.65	1.35	0.08	0.14	0.08	0.06	0.01	2,389	0.02	0.38	0.01	2.10	0.17	0.00	0.00	0.00	0.00	0.00	56	0.00	0.01
2023SJVABT6Onsite	0.05	6.69	0.81	0.01	0.14	0.00	0.06	0.01	2,359	0.00	0.37	0.00	2.37	0.18	0.00	0.00	0.00	0.00	0.00	53	0.00	0.01
2024SJVABT6Onsite	0.05	6.88	0.82	0.01	0.14	0.00	0.06	0.01	2,333	0.00	0.37	0.00	2.37	0.18	0.00	0.00	0.00	0.00	0.00	53	0.00	0.01
2022SJVABT7Onsite	0.70	12.41	2.51	0.09	0.10	0.09	0.04	0.02	3,568	0.03	0.56	0.35	8.72	4.78	0.00	0.00	0.00	0.00	0.01	904	0.02	0.14
2023SJVABT7Onsite	0.16	10.70	1.78	0.02	0.10	0.02	0.04	0.02	3,499	0.01	0.55	0.35	8.63	5.13	0.00	0.00	0.00	0.00	0.01	883	0.02	0.14
2024SJVABT7Onsite	0.15	10.70	1.79	0.02	0.10	0.02	0.04	0.02	3,455	0.01	0.54	0.35	8.64	5.14	0.00	0.00	0.00	0.00	0.01	874	0.02	0.14
2022SJVABMDVOnsite	0.16	0.22	2.32	0.01	0.04	0.01	0.02	0.00	1,025	0.04	0.02	0.92	0.23	2.39	0.00	0.00	0.00	0.00	0.00	59.00	0.06	0.03
2023SJVABMDVOnsite	0.14	0.20	2.12	0.01	0.04	0.01	0.02	0.00	996	0.03	0.02	0.85	0.21	2.31	0.00	0.00	0.00	0.00	0.00	57.00	0.06	0.03
2024SJVABMDVOnsite	0.12	0.17	1.92	0.01	0.04	0.01	0.02	0.00	965	0.03	0.02	0.80	0.20	2.22	0.00	0.00	0.00	0.00	0.00	55.00	0.05	0.03
2022SJVABLDA-LDTOnsite	0.09	0.11	1.58	0.01	0.04	0.01	0.02	0.00	696	0.02	0.01	0.92	0.23	2.39	0.00	0.00	0.00	0.00	0.00	59.14	0.06	0.03
2023SJVABLDA-LDTOnsite	0.08	0.10	1.45	0.01	0.04	0.01	0.02	0.00	679	0.02	0.01	0.85	0.21	2.31	0.00	0.00	0.00	0.00	0.00	57.20	0.06	0.03
2024SJVABLDA-LDTOnsite	0.07	0.08	1.33	0.01	0.04	0.01	0.02	0.00	662	0.02	0.01	0.80	0.20	2.22	0.00	0.00	0.00	0.00	0.00	55.29	0.05	0.03

Source: EMFAC2017. Offsite emission factors for aggregate speeds. Onsite emission factors for 5 mph.

	Running (RUNEX, PMTW, PMBW) grams per mile											Process (IDLEX, STREX, TOTEX, DIURN, HTSK, RUNLS, RESTL) grams per trip									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Lookup	ROG	NOx	CO	PM10 Ex	PM10 D	PM2.5 Ex	PM2.5 D	SO2	CO2	CH4	N2O	ROG	NOx	CO	PM10 Ex	PM10 D	PM2.5 Ex	PM2.5 D	SO2	CO2	CH4	N2O
2022SFBAABLDA-LDT	0.01	0.05	0.69	0.00	0.04	0.00	0.02	0.00	276	0.00	0.01	0.78	0.22	2.45	0.00	0.00	0.00	0.00	0.00	58.19	0.06	0.03
2023SFBAABLDA-LDT	0.01	0.04	0.63	0.00	0.04	0.00	0.02	0.00	268	0.00	0.00	0.73	0.21	2.37	0.00	0.00	0.00	0.00	0.00	56.37	0.05	0.03
2024SFBAABLDA-LDT	0.01	0.04	0.59	0.00	0.04	0.00	0.02	0.00	262	0.00	0.00	0.69	0.19	2.29	0.00	0.00	0.00	0.00	0.00	54.55	0.05	0.03
2022SFBAABMDV	0.02	0.09	0.91	0.00	0.04	0.00	0.02	0.00	396	0.00	0.01	1.17	0.36	3.35	0.00	0.00	0.00	0.00	0.00	84.00	0.09	0.04
2023SFBAABMDV	0.02	0.08	0.83	0.00	0.04	0.00	0.02	0.00	382	0.00	0.01	1.10	0.33	3.17	0.00	0.00	0.00	0.00	0.00	81.00	0.08	0.03
2024SFBAABMDV	0.01	0.07	0.75	0.00	0.04	0.00	0.02	0.00	368	0.00	0.01	1.04	0.30	2.99	0.00	0.00	0.00	0.00	0.00	78.00	0.07	0.03
2022SFBAABT6	0.05	1.86	0.19	0.02	0.14	0.02	0.06	0.01	987	0.00	0.16	0.01	2.17	0.17	0.00	0.00	0.00	0.00	0.00	54	0.00	0.01
2023SFBAABT6	0.01	1.41	0.10	0.01	0.14	0.01	0.06	0.01	954	0.00	0.15	0.00	2.37	0.18	0.00	0.00	0.00	0.00	0.00	52	0.00	0.01
2024SFBAABT6	0.01	1.44	0.10	0.01	0.14	0.01	0.06	0.01	936	0.00	0.15	0.00	2.37	0.18	0.00	0.00	0.00	0.00	0.00	52	0.00	0.01
2022SFBAABT7	0.18	4.70	0.66	0.04	0.10	0.04	0.04	0.02	1,794	0.01	0.28	0.35	8.72	4.78	0.00	0.00	0.00	0.00	0.01	904	0.02	0.14
2023SFBAABT7	0.04	3.53	0.43	0.02	0.10	0.02	0.04	0.02	1,727	0.00	0.27	0.35	8.63	5.13	0.00	0.00	0.00	0.00	0.01	883	0.02	0.14
2024SFBAABT7	0.04	3.49	0.43	0.02	0.10	0.02	0.04	0.02	1,704	0.00	0.27	0.35	8.64	5.14	0.00	0.00	0.00	0.00	0.01	874	0.02	0.14
2022SJVABLDA-LDT	0.01	0.06	0.76	0.00	0.04	0.00	0.02	0.00	288	0.00	0.01	0.92	0.23	2.39	0.00	0.00	0.00	0.00	0.00	59	0.06	0.03
2023SJVABLDA-LDT	0.01	0.05	0.69	0.00	0.04	0.00	0.02	0.00	280	0.00	0.01	0.85	0.21	2.31	0.00	0.00	0.00	0.00	0.00	57.20	0.06	0.03
2024SJVABLDA-LDT	0.01	0.04	0.64	0.00	0.04	0.00	0.02	0.00	273	0.00	0.00	0.80	0.20	2.22	0.00	0.00	0.00	0.00	0.00	55.29	0.05	0.03
2022SJVABMDV	0.02	0.12	1.09	0.00	0.04	0.00	0.02	0.00	429	0.01	0.01	1.50	0.41	3.47	0.00	0.00	0.00	0.00	0.00	90.00	0.10	0.04
2023SJVABMDV	0.02	0.10	0.99	0.00	0.04	0.00	0.02	0.00	416	0.00	0.01	1.44	0.38	3.29	0.00	0.00	0.00	0.00	0.00	87.00	0.09	0.04
2024SJVABMDV	0.02	0.09	0.90	0.00	0.04	0.00	0.02	0.00	403	0.00	0.01	1.38	0.35	3.12	0.00	0.00	0.00	0.00	0.00	84.00	0.08	0.03
2022SJVABT6	0.07	2.21	0.25	0.03	0.14	0.03	0.06	0.01	1,021	0.00	0.16	0.01	2.10	0.17	0.00	0.00	0.00	0.00	0.00	56	0.00	0.01
2023SJVABT6	0.01	1.54	0.11	0.01	0.14	0.01	0.06	0.01	984	0.00	0.15	0.00	2.37	0.18	0.00	0.00	0.00	0.00	0.00	53	0.00	0.01
2024SJVABT6	0.01	1.58	0.11	0.01	0.14	0.01	0.06	0.01	974	0.00	0.15	0.00	2.37	0.18	0.00	0.00	0.00	0.00	0.00	53	0.00	0.01
2022SJVABT7	0.18	4.73	0.66	0.04	0.10	0.04	0.04	0.02	1,794	0.01	0.28	0.35	8.72	4.78	0.00	0.00	0.00	0.00	0.01	904	0.02	0.14
2023SJVABT7	0.04	3.55	0.43	0.02	0.10	0.02	0.04	0.02	1,727	0.00	0.27	0.35	8.63	5.13	0.00	0.00	0.00	0.00	0.01	883	0.02	0.14
2024SJVABT7	0.04	3.51	0.43	0.02	0.10	0.02	0.04	0.02	1,704	0.00	0.27	0.35	8.64	5.14	0.00	0.00	0.00	0.00	0.01	874	0.02	0.14
2022SFBAABT6Onsite	0.34	6.90	1.13	0.05	0.14	0.05	0.06	0.01	2,318	0.02	0.36	0.01	2.17	0.17	0.00	0.00	0.00	0.00	0.00	54	0.00	0.01
2023SFBAABT6Onsite	0.05	6.29	0.77	0.00	0.14	0.00	0.06	0.01	2,279	0.00	0.36	0.00	2.37	0.18	0.00	0.00	0.00	0.00	0.00	52	0.00	0.01
2024SFBAABT6Onsite	0.05	6.42	0.78	0.00	0.14	0.00	0.06	0.01	2,236	0.00	0.35	0.00	2.37	0.18	0.00	0.00	0.00	0.00	0.00	52	0.00	0.01
2022SFBAABT7Onsite	0.70	12.35	2.51	0.09	0.10	0.09	0.04	0.02	3,568	0.03	0.56	0.35	8.72	4.78	0.00	0.00	0.00	0.00	0.01	904	0.02	0.14
2023SFBAABT7Onsite	0.16	10.65	1.78	0.02	0.10	0.02	0.04	0.02	3,499	0.01	0.55	0.35	8.63	5.13	0.00	0.00	0.00	0.00	0.01	883	0.02	0.14
2024SFBAABT7Onsite	0.15	10.65	1.79	0.02	0.10	0.02	0.04	0.02	3,455	0.01	0.54	0.35	8.64	5.14	0.00	0.00	0.00	0.00	0.01	874	0.02	0.14
2022SFBAABLDA-LDTOnsite	0.08	0.10	1.39	0.01	0.04	0.01	0.02	0.00	674	0.02	0.01	0.78	0.22	2.45	0.00	0.00	0.00	0.00	0.00	58.19	0.06	0.03
2023SFBAABLDA-LDTOnsite	0.07	0.08	1.29	0.01	0.04	0.01	0.02	0.00	658	0.02	0.01	0.73	0.21	2.37	0.00	0.00	0.00	0.00	0.00	56.37	0.05	0.03
2024SFBAABLDA-LDTOnsite	0.06	0.08	1.20	0.01	0.04	0.01	0.02	0.00	644	0.02	0.01	0.69	0.19	2.29	0.00	0.00	0.00	0.00	0.00	54.55	0.05	0.03
2022SFBAABMDVOnsite	0.12	0.18	1.92	0.01	0.04	0.01	0.02	0.00	953	0.03	0.02	1.17	0.36	3.35	0.00	0.00	0.00	0.00	0.00	84.00	0.09	0.04
2023SFBAABMDVOnsite	0.11	0.15	1.75	0.01	0.04	0.01	0.02	0.00	921	0.03	0.02	1.10	0.33	3.17	0.00	0.00	0.00	0.00	0.00	81.00	0.08	0.03
2024SFBAABMDVOnsite	0.10	0.13	1.58	0.01	0.04	0.01	0.02	0.00	890	0.02	0.01	1.04	0.30	2.99	0.00	0.00	0.00	0.00	0.00	78.00	0.07	0.03
2022SJVABT6Onsite	0.50	7.65	1.35	0.08	0.14	0.08	0.06	0.01	2,389	0.02	0.38	0.01	2.10	0.17	0.00	0.00	0.00	0.00	0.00	56	0.00	0.01
2023SJVABT6Onsite	0.05	6.69	0.81	0.01	0.14	0.00	0.06	0.01	2,359	0.00	0.37	0.00	2.37	0.18	0.00	0.00	0.00	0.00	0.00	53	0.00	0.01
2024SJVABT6Onsite	0.05	6.88	0.82	0.01	0.14	0.00	0.06	0.01	2,333	0.00	0.37	0.00	2.37	0.18	0.00	0.00	0.00	0.00	0.00	53	0.00	0.01
2022SJVABT7Onsite	0.70	12.41	2.51	0.09	0.10	0.09	0.04	0.02	3,568	0.03	0.56	0.35	8.72	4.78	0.00	0.00	0.00	0.00	0.01	904	0.02	0.14
2023SJVABT7Onsite	0.16	10.70	1.78	0.02	0.10	0.02	0.04	0.02	3,499	0.01	0.55	0.35	8.63	5.13	0.00	0.00	0.00	0.00	0.01	883	0.02	0.14
2024SJVABT7Onsite	0.15	10.70	1.79	0.02	0.10	0.02	0.04	0.02	3,455	0.01	0.54	0.35	8.64	5.14	0.00	0.00	0.00	0.00	0.01	874	0.02	0.14
2022SJVABMDVOnsite	0.16	0.22	2.32	0.01	0.04	0.01	0.02	0.00	1,025	0.04	0.02	0.92	0.23	2.39	0.00	0.00	0.00	0.00	0.00	59.00	0.06	0.03
2023SJVABMDVOnsite	0.14	0.20	2.12	0.01	0.04	0.01	0.02	0.00	996	0.03	0.02	0.85	0.21	2.31	0.00	0.00	0.00	0.00	0.00	57.00	0.06	0.03
2024SJVABMDVOnsite	0.12	0.17	1.92	0.01	0.04	0.01	0.02	0.00	965	0.03	0.02	0.80	0.20	2.22	0.00	0.00	0.00	0.00	0.00	55.00	0.05	0.03
2022SJVABLDA-LDTOnsite	0.09	0.11	1.58	0.01	0.04	0.01	0.02	0.00	696	0.02	0.01	0.92	0.23	2.39	0.00	0.00	0.00	0.00	0.00	59.14	0.06	0.03
2023SJVABLDA-LDTOnsite	0.08	0.10	1.45	0.01	0.04	0.01	0.02	0.00	679	0.02	0.01	0.85	0.21	2.31	0.00	0.00	0.00	0.00	0.00	57.20	0.06	0.03
2024SJVABLDA-LDTOnsite	0.07	0.08	1.33	0.01	0.04	0.01	0.02	0.00	662	0.02	0.01	0.80	0.20	2.22	0.00	0.00	0.00	0.00	0.00	55.29	0.05	0.03

Calculation Details in CalEEMod Users Guide, Appendix A

Paving ROG EF	2.6200	lbs/acre	CalEEMod (no mitigation)				
Grading PM10 EF	1.0605	lbs/acre	CalEEMod (no mitigation)				
Grading PM2.5 EF	0.1145	lbs/acre	CalEEMod (no mitigation)				
Bulldozing PM10 EF	0.7528	lbs/hr	CalEEMod (no mitigation)				
Bulldozing PM2.5 EF	0.4138	lbs/hr	CalEEMod (no mitigation)				
Truck loading PM10 EF	0.000148	lb/ton	CalEEMod (no mitigation)	Mean Wind	7.25	https://wrcc.dri.edu/Climate/comp_table_show.php?stype=wind_speed_avg	Average of Livermore and Stockton
Truck loading PM2.5 EF	0.000022	lb/ton	CalEEMod (no mitigation)				
Demo PM10 EF	0.0221	lb/ton	CalEEMod (no mitigation)				
Demo PM2.5 EF	0.0033	lb/ton	CalEEMod (no mitigation)				

Calculation Details in CalEEMod Users Guide, Appendix A

Paving ROG EF	2.6200	lbs/acre	CalEEMod (no mitigation)				
Grading PM10 EF	0.4136	lbs/acre	CalEEMod (no mitigation)				
Grading PM2.5 EF	0.0447	lbs/acre	CalEEMod (no mitigation)				
Bulldozing PM10 EF	0.7528	lbs/hr	CalEEMod (no mitigation)				
Bulldozing PM2.5 EF	0.4138	lbs/hr	CalEEMod (no mitigation)				
Truck loading PM10 EF	0.000148	lb/ton	CalEEMod (no mitigation)	Mean Wind	7.25	https://wrcc.dri.edu/Climate/comp_table_show.php?stype=wind_speed_avg	Average of Livermore and Stockton
Truck loading PM2.5 EF	0.000022	lb/ton	CalEEMod (no mitigation)				
Demo PM10 EF	0.0221	lb/ton	CalEEMod (no mitigation)				
Demo PM2.5 EF	0.0033	lb/ton	CalEEMod (no mitigation)				

Re-entrained Unpaved Road Dust Emission Factors

Methodology

Calculation Methodology: USEPA AP-42,Unpaved Roads, Section 13.2.2, Revised November 2006
http://www.epa.gov/ttn/chief/ap42/ch13/final/c13s0202.pdf

Equation 1a (unpaved roads dominated by trucks)

	Pollutant	Variables					
		k	s	W	a	b	E (g/mile)
Uncontrolled	PM10	1.50	6.9%	17.50	0.90	0.45	14.5
	PM.25	0.15	6.9%	17.50	0.90	0.45	1.4
With Natural	PM10						12.2
	PM.25						1.2

T6	14,001	33,000	23500.5
T7	33,001	60,000	46500.5
			35000.5
			17.50025

E = size-specific emission factor (g/VMT)	AP-42, Table 13.2.2-2
k = particle size multiplier (lb/VMT)	AP-42, Table 13.2.2-2
s = surface material silt content (%)	CalEEMod
W = vehicle weight (tons)	Avg. of T6 and T7
a	AP-42, Table 13.2.2-2
b	AP-42, Table 13.2.2-2
g to lb conversion	0.002204623

Natural Precipitation Reduction

Equation 2, Section 13.2.2, page 13.2.2-7, based on number of days with measurable (more than 0.254 mm [0.01 inch]) precipitatior

Eext = E[(365 - P) / 365]

		reduction
PM10	12	16%
PM2.5	1	16%

p= precipitation Days greater than 0.254mm (0.01 in) 58

Re-entrained Unpaved Road Dust Emission Factors

Methodology

Calculation Methodology: USEPA AP-42,Unpaved Roads, Section 13.2.2, Revised November 2006
http://www.epa.gov/ttn/chief/ap42/ch13/final/c13s0202.pdf

Equation 1a (unpaved roads dominated by trucks)

	Pollutant	Variables					
		k	s	W	a	b	E (g/mile)
Uncontrolled	PM10	1.50	6.9%	17.50	0.90	0.45	14.5
	PM.25	0.15	6.9%	17.50	0.90	0.45	1.4
With Natural	PM10						5.5
	PM.25						0.5

T6	14,001	33,000	23500.5
T7	33,001	60,000	46500.5
			35000.5
			17.50025

E = size-specific emission factor (g/VMT)	AP-42, Table 13.2.2-2
k = particle size multiplier (lb/VMT)	AP-42, Table 13.2.2-2
s = surface material silt content (%)	CalEEMod
W = vehicle weight (tons)	Avg. of T6 and T7
a	AP-42, Table 13.2.2-2
b	AP-42, Table 13.2.2-2
g to lb conversion	0.002204623

Natural Precipitation Reduction

Equation 2, Section 13.2.2, page 13.2.2-7, based on number of days with measurable (more than 0.254 mm [0.01 inch]) precipitatior

Eext = E[(365 - P) / 365]

		reduction
PM10	12	16%
PM2.5	1	16%

p= precipitation Days greater than 0.254mm (0.01 in) 58

Sources

HC, ROG, NOx, CO, PM: EPA (https://nepis.epa.gov/Exe/ZyNET.exe/P100500B.TXT?ZyActionD=ZyDocument&Client=EPA&Index=2006+Thru+2010&Docs=&Query=&Time=&EndTime=&SearchMethod=1&TocRestrict=n&Toc=&TocEntry=&QField=&QFieldYear=&QFieldMonth=&QFieldDay=&IntQFieldOp=0&ExtQFieldOp=0&XmlQuery=&File=D%3A%5Czyfiles%5CIndex%20Data%5C06thru10%5CTxt%5C00000010%5CP100500B.txt&User=ANONYMOUS&Password=anonymous&SortMethod=h%7C-&MaximumDocuments=1&FuzzyDegree=0&ImageQuality=r75g8/r75g8/x150y150g16/i425&Display=hpfr&DefSeekPage=x&SearchBack=ZyActionL&Back=ZyActionS&BackDesc=Results%20page&MaximumPages=1&ZyEntry=1&SeekPage=x&ZyPURL)

SO2, CO2, CH4, N2O: POLB (http://polb.com/civica/filebank/blobdload.asp?BlobID=14109)

	grams per hp-hr									
Engine Tier	HC	ROG	NOx	CO	PM10	PM2.5	SO2	CO2	CH4	N2O
Uncontrolled	1.01	1.06	17.4	1.83	0.44	0.43	0.005	494	0.04	0.013
0	1.01	1.06	12.6	1.83	0.44	0.43	0.005	494	0.04	0.013
0+	0.57	0.60	10.6	1.83	0.23	0.22	0.005	494	0.04	0.013
1	1.01	1.06	9.9	1.83	0.43	0.42	0.005	494	0.04	0.013
1+	0.57	0.60	9.9	1.83	0.23	0.22	0.005	494	0.04	0.013
2	0.51	0.54	7.3	1.83	0.19	0.18	0.005	494	0.04	0.013
2+	0.26	0.27	7.3	1.83	0.11	0.11	0.005	494	0.04	0.013
3	0.26	0.27	4.5	1.83	0.08	0.08	0.005	494	0.04	0.013
4	0.08	0.08	1	1.83	0.02	0.01	0.005	494	0.04	0.013

ROG_HC (or THC)	1.053
PM2.5 of PM10	0.97

Calculation Details in CalEEMod Users Guide, Appendix A, pages 15-16

EF -exterior	0.0070	lbs/sq ft	
EF - interior	0.0070	lbs/sq ft	
Fraction exterior	75%		exterior fraction of surface area. Default is 75% of area is exterior surface and 25% interior
Fraction interior	25%		interior fraction of surface area. Default is 75% of area is exterior surface and 25% interior
Cext	150		Exterior VOC content (g/L)
Cint	150		Interior VOC content (g/L)
scaling factor for A - surface painting	2		
g/lb	454		
liters per gallon	3.785		
Conv	180		

Re-entrained Paved Road Dust Emission Factors

Methodology

Calculation Methodology: USEPA AP-42, Paved Roads, Section 13.2.1, Revised January 2011:
https://www.arb.ca.gov/ei/areasrc/PMSJVPavedRoadMethod2003.pdf

		sL	W	P	
Avg vehicle weight and silt loading on Local Roads within San Joaquin and Alameda Counties			0.32	2.4	55 San Joaquin County
http://www.arb.ca.gov/ei/areasrc/fullpdf/full7-9.pdf			0.32	2.4	61 Alameda County
Precipitation Days greater than 0.254mm (0.01 in)					
https://www.arb.ca.gov/ei/areasrc/fullpdf/full7-9_2016.pdf					
	Average		0.32	2.4	58

Equation 2

Pollutant	Variables					
	k	sL	W	P	N	EF (g per mi)
PM_{10}	0.0022	0.32	2.4	58	365	0.82982
$PM_{2.5}$	0.00054	0.32	2.4	58	365	0.20368

E = particulate emission factor (grams of particulate matter/VMT)	
k = particle size multiplier (lb/VMT)	default from AP-42
sL = local roadway silt loading (g/m2)	ARB Section 7.9, Table 3
W = average weight of vehicles on the road (tons)	ARB Section 7.9, Table 3
P = number of wet days with at least 0.254mm of precipitation	from WRCC
N = number of days in the averaging period	annual days (365)
g to lb conversion	0.002204623

Re-entrained Paved Road Dust Emission Factors

Methodology

Calculation Methodology: USEPA AP-42, Paved Roads, Section 13.2.1, Revised January 2011:
https://www.arb.ca.gov/ei/areasrc/PMSJVPavedRoadMethod2003.pdf

Avg vehicle weight and silt loading on Local Roads within San Joaquin and Alameda Counties
http://www.arb.ca.gov/ei/areasrc/fullpdf/full7-9.pdf

Precipitation Days greater than 0.254mm (0.01 in)
https://www.arb.ca.gov/ei/areasrc/fullpdf/full7-9_2016.pdf

	sL	W	P	
	0.32	2.4	55	San Joaquin County
	0.32	2.4	61	Alameda County
Average	0.32	2.4	58	

Equation 2

Pollutant	Variables					
	k	sL	W	P	N	EF (g per mi)
PM_{10}	0.0022	0.32	8.3752	58	365	2.96910
$PM_{2.5}$	0.00054	0.32	8.3752	58	365	0.72878

LDT1	0	3750	1875
LDT2	3751	5750	4750.5
MDV	5751	8500	7125.5
T6	14,001	33,000	23500.5
T7	33,001	60,000	46500.5
			16750.4
			8.3752

E = particulate emission factor (grams of particulate matter/VMT)

k = particle size multiplier (lb/VMT)	default from AP-42
sL = local roadway silt loading (g/m2)	ARB Section 7.9, Table 3
W = average weight of vehicles on the road (tons)	Avg. of LD1, LDT2, MDV, T6, and T7
P = number of wet days with at least 0.254mm of precipitation	from WRCC
N = number of days in the averaging period	annual days (365)
g to lb conversion	0.002204623

Appendix L.1

Valley Link

Construction Master Assumptions (no RCEM)

Code	Feature	Activity/Phase	Start Date	End Date (Months unless date provided)	Days	Days/Week	2022	2023	2024
Isabel	Stations	Isabel							
IsabelSW	Stations	Site Work	2023	11	151			151	0
IsabelStr	Stations	Structures	2023	7	101			50	50
South Front Street IOS	Stations	South Front Street IOS							
South Front Street IOSSW	Stations	Site Work	2023	11	151			151	0
South Front Street IOSStr	Stations	Structures	2023	7	101			50	50
Greenville IOS	Stations	Greenville IOS							
Greenville IOSSW	Stations	Site Work	2023	11	151			151	0
Greenville IOSStr	Stations	Structures	2023	5	73			36	36
Mountain House IOS	Stations	Mountain House IOS							
Mountain House IOSSW	Stations	Site Work	2023	10	134			134	0
Mountain House IOSStr	Stations	Structures	2023	6	90			45	45
West Tracy Alternative IOS	Stations	West Tracy Alternative IOS							
West Tracy Alternative IOSSW	Stations	Site Work	2023	14	202			202	0
West Tracy Alternative IOSStr	Stations	Structures	2023	10	134			67	67
Downtown Tracy	Stations	Downtown Tracy							
Downtown TracySW	Stations	Site Work	2023	7	101			101	0
Downtown TracyStr	Stations	Structures	2023	11	151			76	76
Downtown Tracy South Garage	Stations	Downtown Tracy South Garage							
Downtown Tracy South Garage SW	Stations	Site Work	2023	11	151			151	0
Downtown Tracy South Garage Str	Stations	Structures	2023	7	101			50	50
Downtown Tracy North Garage	Stations	Downtown Tracy South Garage							
Downtown Tracy North GarageSW	Stations	Site Work	2023	11	151			151	0
Downtown Tracy North GarageStr	Stations	Structures	2023	7	101			50	50
River Islands	Stations	River Islands							
River IslandsSW	Stations	Site Work	2023	10	134			134	0
River IslandsStr	Stations	Structures	2023	6	90			45	45
North Lathrop	Stations	North Lathrop							
North LathropSW	Stations	Site Work	2023	7	101			101	0
North LathropStr	Stations	Structures	2023	11	151			76	76
InterimOMF-Demolition	OMF	Demolition	1/3/2022	2/21/2022	36	5	36		
InterimOMF-Site Preparation	OMF	Site Preparation	2/22/2022	3/17/2022	18	5	18		
InterimOMF-Grading	OMF	Grading	3/18/2022	6/1/2022	54	5	54		
InterimOMF-Building Construction	OMF	Building Construction	6/2/2022	6/26/2024	540	5	152	240	148
InterimOMF-Paving	OMF	Paving	6/27/2024	8/15/2024	36	5			36
InterimOMF-Architectural Coating	OMF	Architectural Coating	8/16/2024	10/4/2024	36	5			36
WTracyMtHouseOMF-Demolition	OMF	Demolition	1/3/2022	2/14/2022	31	5	31		
WTracyMtHouseOMF-Site Preparation	OMF	Site Preparation	2/15/2022	3/7/2022	15	5	15		
WTracyMtHouseOMF-Grading	OMF	Grading	3/8/2022	5/19/2022	53	5	53		
WTracyMtHouseOMF-Building Construct	OMF	Building Construction	5/20/2022	7/15/2024	561	5	161	240	160
WTracyMtHouseOMF-Paving	OMF	Paving	7/13/2024	8/23/2024	30	5			30
WTracyMtHouseOMF-Architectural Coati	OMF	Architectural Coating	8/24/2024	10/4/2024	30	5			30
TracyOMF-Demolition	OMF	Demolition	1/3/2022	2/21/2022	36	5	36		
TracyOMF-Site Preparation	OMF	Site Preparation	2/22/2022	3/23/2022	22	5	22		
TracyOMF-Grading	OMF	Grading	3/24/2022	6/7/2022	54	5	54		
TracyOMF-Building Construction	OMF	Building Construction	6/8/2022	6/18/2024	530	5	148	240	142
TracyOMF-Paving	OMF	Paving	6/19/2024	8/12/2024	39	5			39
TracyOMF-Architectural Coating	OMF	Architectural Coating	8/13/2024	10/4/2024	39	5			39
TriValAlign	Single Track	TRI-VALLEY ALIGNMENT							
TriValAlignSW	Single Track	Site Work	2022	27	378		240	138	
TriValAlignRW	Single Track	Rail Work	2022	36	504		240	240	24
TriValAlignStr	Single Track	Structures	2022	27	378		240	138	
TriValAlign	Double Track	TRI-VALLEY ALIGNMENT							
TriValAlignSW	Double Track	Site Work	2022	27	378		240	138	
TriValAlignRW	Double Track	Rail Work	2022	36	504		240	240	24
TriValAlignStr	Double Track	Structures	2022	27	378		240	138	
AltaAlign	Double Track	ALTAMONT ALIGNMENT							
AltaAlignSW	Double Track	Site Work	2022	22.5	315		240	75	
AltaAlignRW	Double Track	Rail Work	2022	30	420		240	180	
AltaAlignStr	Double Track	Structures	2022	22.5	315		240	75	
TraLathAlign	Double Track	TRACY TO LATHROP ALIGNMENT							
TraLathAlignSW	Double Track	Site Work	2022	27	378		240	138	
TraLathAlignRW	Double Track	Rail Work	2022	36	504		240	240	24
TraLathAlignStr	Double Track	Structures	2022	27	378		240	138	
TriValAlign	Tunnel Avoidance Alternative	TRI-VALLEY ALIGNMENT							
TriValAlignSW	Tunnel Avoidance Alternative	Site Work	2022	27	378		240	138	
TriValAlignRW	Tunnel Avoidance Alternative	Rail Work	2022	36	504		240	240	24
TriValAlignStr	Tunnel Avoidance Alternative	Structures	2022	27	378		240	138	
AltaAlign	Tunnel Avoidance Alternative	ALTAMONT ALIGNMENT							
AltaAlignSW	Tunnel Avoidance Alternative	Site Work	2022	22.5	315		240	75	
AltaAlignRW	Tunnel Avoidance Alternative	Rail Work	2022	30	420		240	180	
AltaAlignStr	Tunnel Avoidance Alternative	Structures	2022	22.5	315		240	75	

TraLathAlign	Tunnel Avoidance Alternative	TRACY TO LATHROP ALIGNMENT						
TraLathAlignSW	Tunnel Avoidance Alternative	Site Work	2022	27	378	240	138	
TraLathAlignRW	Tunnel Avoidance Alternative	Rail Work	2022	36	504	240	240	24
TraLathAlignStr	Tunnel Avoidance Alternative	Structures	2022	27	378	240	138	

For Road Widening and Bridge Construction data, see RCEM input and output files.

Code	Feature	Activity/Sub Phase	Equip	#/day	Wrk hrs/day	Burden	Op hrs/day	CMOD	HP Bin	HP	LF	Fuel	Fuel (gal/day)
-	Stations	Sitework	Grader	1	7	0.6	4	Graders	175	187	0.4	Diesel	7
-	Stations	Sitework	D6 Dozer	2	7	0.7	5	Rubber Tired Dozers	250	247	0.4	Diesel	20
-	Stations	Sitework	D8 Dozer	1	6	0.6	4	Rubber Tired Dozers	250	247	0.4	Diesel	7
-	Stations	Sitework	Compactor	2	6	0.6	4	Plate Compactors	15	8	0.4	Diesel	1
-	Stations	Structures	Generator	2	9	0.8	7	Generator Sets	120	84	0.7	Diesel	23
-	Stations	Structures	Crane	1	5	0.6	3	Cranes	250	231	0.3	Diesel	4
-	Stations	Structures	Concrete Pump	1	7	0.2	1	Pumps	120	84	0.7	Diesel	2
-	Stations	Structures	Wheel Loader	4	4	0.4	2	Rubber Tired Loaders	250	203	0.4	Diesel	10
-	Stations	Structures	Welders	2	5	0.5	3	Welders	50	46	0.5	Diesel	3

Code	Feature	Activity/Sub Phase	Equip	#/day	Wrk hrs/day	RT Load	CMOD	HP Bin	HP	LF	Fuel	Fuel (gal/day)
InterimOMF-Demolition	OMF	Demolition	Concrete/Industrial Saws	1	8		Concrete/Industrial Saws	120	81	0.7	Diesel	26
InterimOMF-Demolition	OMF	Demolition	Excavators	3	8		Excavators	175	158	0.4	Diesel	67
InterimOMF-Demolition	OMF	Demolition	Rubber Tired Dozers	2	8	16	Rubber Tired Dozers	250	247	0.4	Diesel	73
InterimOMF-Site Preparation	OMF	Site Preparation	Rubber Tired Dozers	3	8	24	Rubber Tired Dozers	250	247	0.4	Diesel	109
InterimOMF-Site Preparation	OMF	Site Preparation	Tractors/Loaders/Backhoes	4	8		Tractors/Loaders/Backhoes	120	97	0.4	Diesel	53
InterimOMF-Grading	OMF	Grading	Excavators	2	8		Excavators	175	158	0.4	Diesel	45
InterimOMF-Grading	OMF	Grading	Graders	1	8		Graders	175	187	0.4	Diesel	29
InterimOMF-Grading	OMF	Grading	Rubber Tired Dozers	1	8	8	Rubber Tired Dozers	250	247	0.4	Diesel	36
InterimOMF-Grading	OMF	Grading	Scrapers	2	8		Scrapers	500	367	0.5	Diesel	131
InterimOMF-Grading	OMF	Grading	Tractors/Loaders/Backhoes	2	8		Tractors/Loaders/Backhoes	120	97	0.4	Diesel	27
InterimOMF-Building Construction	OMF	Building Construction	Cranes	1	7		Cranes	250	231	0.3	Diesel	22
InterimOMF-Building Construction	OMF	Building Construction	Forklifts	3	8		Forklifts	120	89	0.2	Diesel	20
InterimOMF-Building Construction	OMF	Building Construction	Generator Sets	1	8		Generator Sets	120	84	0.7	Diesel	28
InterimOMF-Building Construction	OMF	Building Construction	Tractors/Loaders/Backhoes	3	7		Tractors/Loaders/Backhoes	120	97	0.4	Diesel	35
InterimOMF-Building Construction	OMF	Building Construction	Welders	1	8		Welders	50	46	0.5	Diesel	9
InterimOMF-Paving	OMF	Paving	Pavers	2	8		Pavers	120	130	0.4	Diesel	40
InterimOMF-Paving	OMF	Paving	Paving Equipment	2	8		Paving Equipment	120	132	0.4	Diesel	35
InterimOMF-Paving	OMF	Paving	Rollers	2	8		Rollers	120	80	0.4	Diesel	22
InterimOMF-Architectural Coating	OMF	Architectural Coating	Air Compressors	1	6		Air Compressors	120	78	0.5	Diesel	13
WTracyMtHouseOMF-Demolition	OMF	Demolition	Concrete/Industrial Saws	1	8		Concrete/Industrial Saws	120	81	0.7	Diesel	26
WTracyMtHouseOMF-Demolition	OMF	Demolition	Excavators	3	8		Excavators	175	158	0.4	Diesel	67
WTracyMtHouseOMF-Demolition	OMF	Demolition	Rubber Tired Dozers	2	8	16	Rubber Tired Dozers	250	247	0.4	Diesel	73
WTracyMtHouseOMF-Site Preparation	OMF	Site Preparation	Rubber Tired Dozers	3	8	24	Rubber Tired Dozers	250	247	0.4	Diesel	109
WTracyMtHouseOMF-Site Preparation	OMF	Site Preparation	Tractors/Loaders/Backhoes	4	8		Tractors/Loaders/Backhoes	120	97	0.4	Diesel	53
WTracyMtHouseOMF-Grading	OMF	Grading	Excavators	2	8		Excavators	175	158	0.4	Diesel	45
WTracyMtHouseOMF-Grading	OMF	Grading	Graders	1	8		Graders	175	187	0.4	Diesel	29
WTracyMtHouseOMF-Grading	OMF	Grading	Rubber Tired Dozers	1	8	8	Rubber Tired Dozers	250	247	0.4	Diesel	36
WTracyMtHouseOMF-Grading	OMF	Grading	Scrapers	2	8		Scrapers	500	367	0.5	Diesel	131
WTracyMtHouseOMF-Grading	OMF	Grading	Tractors/Loaders/Backhoes	2	8		Tractors/Loaders/Backhoes	120	97	0.4	Diesel	27
WTracyMtHouseOMF-Building Construction	OMF	Building Construction	Cranes	1	7		Cranes	250	231	0.3	Diesel	22
WTracyMtHouseOMF-Building Construction	OMF	Building Construction	Forklifts	3	8		Forklifts	120	89	0.2	Diesel	20
WTracyMtHouseOMF-Building Construction	OMF	Building Construction	Generator Sets	1	8		Generator Sets	120	84	0.7	Diesel	28
WTracyMtHouseOMF-Building Construction	OMF	Building Construction	Tractors/Loaders/Backhoes	3	7		Tractors/Loaders/Backhoes	120	97	0.4	Diesel	35
WTracyMtHouseOMF-Building Construction	OMF	Building Construction	Welders	1	8		Welders	50	46	0.5	Diesel	9
WTracyMtHouseOMF-Paving	OMF	Paving	Pavers	2	8		Pavers	120	130	0.4	Diesel	40
WTracyMtHouseOMF-Paving	OMF	Paving	Paving Equipment	2	8		Paving Equipment	120	132	0.4	Diesel	35
WTracyMtHouseOMF-Paving	OMF	Paving	Rollers	2	8		Rollers	120	80	0.4	Diesel	22
WTracyMtHouseOMF-Architectural Coating	OMF	Architectural Coating	Air Compressors	1	6		Air Compressors	120	78	0.5	Diesel	13
TracyOMF-Demolition	OMF	Demolition	Concrete/Industrial Saws	1	8		Concrete/Industrial Saws	120	81	0.7	Diesel	26
TracyOMF-Demolition	OMF	Demolition	Excavators	3	8		Excavators	175	158	0.4	Diesel	67
TracyOMF-Demolition	OMF	Demolition	Rubber Tired Dozers	2	8	16	Rubber Tired Dozers	250	247	0.4	Diesel	73
TracyOMF-Site Preparation	OMF	Site Preparation	Rubber Tired Dozers	3	8	24	Rubber Tired Dozers	250	247	0.4	Diesel	109
TracyOMF-Site Preparation	OMF	Site Preparation	Tractors/Loaders/Backhoes	4	8		Tractors/Loaders/Backhoes	120	97	0.4	Diesel	53
TracyOMF-Grading	OMF	Grading	Excavators	2	8		Excavators	175	158	0.4	Diesel	45
TracyOMF-Grading	OMF	Grading	Graders	1	8		Graders	175	187	0.4	Diesel	29
TracyOMF-Grading	OMF	Grading	Rubber Tired Dozers	1	8	8	Rubber Tired Dozers	250	247	0.4	Diesel	36
TracyOMF-Grading	OMF	Grading	Scrapers	2	8		Scrapers	500	367	0.5	Diesel	131
TracyOMF-Grading	OMF	Grading	Tractors/Loaders/Backhoes	2	8		Tractors/Loaders/Backhoes	120	97	0.4	Diesel	27
TracyOMF-Building Construction	OMF	Building Construction	Cranes	1	7		Cranes	250	231	0.3	Diesel	22
TracyOMF-Building Construction	OMF	Building Construction	Forklifts	3	8		Forklifts	120	89	0.2	Diesel	20
TracyOMF-Building Construction	OMF	Building Construction	Generator Sets	1	8		Generator Sets	120	84	0.7	Diesel	28
TracyOMF-Building Construction	OMF	Building Construction	Tractors/Loaders/Backhoes	3	7		Tractors/Loaders/Backhoes	120	97	0.4	Diesel	35
TracyOMF-Building Construction	OMF	Building Construction	Welders	1	8		Welders	50	46	0.5	Diesel	9
TracyOMF-Paving	OMF	Paving	Pavers	2	8		Pavers	120	130	0.4	Diesel	40
TracyOMF-Paving	OMF	Paving	Paving Equipment	2	8		Paving Equipment	120	132	0.4	Diesel	35
TracyOMF-Paving	OMF	Paving	Rollers	2	8		Rollers	120	80	0.4	Diesel	22
TracyOMF-Architectural Coating	OMF	Architectural Coating	Air Compressors	1	6		Air Compressors	120	78	0.5	Diesel	13

Code	Feature	Activity/Sub Phase	Equip	#/day	Wrk hrs/day	Burden	Op hrs/day	CMOD	HP Bin	HP	LF	Fuel	Fuel (gal/day)
-	Single Track	Site Work	Grader	1	7	0.6	4	Graders	175	187	0.4	Diesel	7
-	Single Track	Site Work	D6 Dozer	2	7	0.7	5	Rubber Tired Dozers	250	247	0.4	Diesel	20
-	Single Track	Site Work	D8 Dozer	1	6	0.6	4	Rubber Tired Dozers	250	247	0.4	Diesel	7
-	Single Track	Site Work	Compactor	2	6	0.6	4	Plate Compactors	15	8	0.4	Diesel	1
-	Single Track	Rail Work	D6 Dozer	1	6	0.5	3	Rubber Tired Dozers	250	247	0.4	Diesel	6
-	Single Track	Rail Work	Grader	1	6	0.5	3	Graders	175	187	0.4	Diesel	5
-	Single Track	Rail Work	Tamper	1	4	0.4	2	Other Construction Equipm	120	100	0.4	Diesel	1
-	Single Track	Rail Work	Alligner	1	4	0.4	2	Other Construction Equipm	120	100	0.4	Diesel	1
-	Single Track	Rail Work	Swinger	1	5	0.3	2	Other Construction Equipm	50	50	0.4	Diesel	1
-	Single Track	Rail Work	Welders	3	5	0.6	3	Welders	50	46	0.5	Diesel	5
-	Single Track	Rail Work	Crane	1	5	0.6	3	Cranes	250	231	0.3	Diesel	4
-	Single Track	Rail Work	Wheel Loader	1	5	0.5	2	Rubber Tired Loaders	250	203	0.4	Diesel	3
-	Single Track	Structures	Generator	2	9	0.8	7	Generator Sets	120	84	0.7	Diesel	23
-	Single Track	Structures	Crane	1	5	0.6	3	Cranes	250	231	0.3	Diesel	4
-	Single Track	Structures	Concrete Pump	1	7	0.2	1	Pumps	120	84	0.7	Diesel	2
-	Single Track	Structures	Wheel Loader	4	4	0.4	2	Rubber Tired Loaders	250	203	0.4	Diesel	10
-	Single Track	Structures	Welders	2	5	0.5	3	Welders	50	46	0.5	Diesel	3
-	Double Track	Site Work	Grader	1	7	0.6	4	Graders	175	187	0.4	Diesel	7
-	Double Track	Site Work	D6 Dozer	2	7	0.7	5	Rubber Tired Dozers	250	247	0.4	Diesel	20
-	Double Track	Site Work	D8 Dozer	1	6	0.6	4	Rubber Tired Dozers	250	247	0.4	Diesel	7
-	Double Track	Site Work	Compactor	2	6	0.6	4	Plate Compactors	15	8	0.4	Diesel	1
-	Double Track	Rail Work	D6 Dozer	1	6	0.5	3	Rubber Tired Dozers	250	247	0.4	Diesel	6
-	Double Track	Rail Work	Grader	1	6	0.5	3	Graders	175	187	0.4	Diesel	5
-	Double Track	Rail Work	Tamper	1	4	0.4	2	Other Construction Equipm	120	100	0.4	Diesel	1
-	Double Track	Rail Work	Alligner	1	4	0.4	2	Other Construction Equipm	120	100	0.4	Diesel	1
-	Double Track	Rail Work	Swinger	1	5	0.3	2	Other Construction Equipm	50	50	0.4	Diesel	1
-	Double Track	Rail Work	Welders	3	5	0.6	3	Welders	50	46	0.5	Diesel	5
-	Double Track	Rail Work	Crane	1	5	0.6	3	Cranes	250	231	0.3	Diesel	4
-	Double Track	Rail Work	Wheel Loader	1	5	0.5	2	Rubber Tired Loaders	250	203	0.4	Diesel	3
-	Double Track	Structures	Generator	2	9	0.8	7	Generator Sets	120	84	0.7	Diesel	23
-	Double Track	Structures	Crane	1	5	0.6	3	Cranes	250	231	0.3	Diesel	4
-	Double Track	Structures	Concrete Pump	1	7	0.2	1	Pumps	120	84	0.7	Diesel	2
-	Double Track	Structures	Wheel Loader	4	4	0.4	2	Rubber Tired Loaders	250	203	0.4	Diesel	10
-	Double Track	Structures	Welders	2	5	0.5	3	Welders	50	46	0.5	Diesel	3
-	Tunnel Avoidance Alternative	Site Work	Grader	1	7	0.6	4	Graders	175	187	0.4	Diesel	7

-	Tunnel Avoidance Alternative	Site Work	D6 Dozer	2	7	0.7	5	Rubber Tired Dozers	250	247	0.4	Diesel	20
-	Tunnel Avoidance Alternative	Site Work	D8 Dozer	1	6	0.6	4	Rubber Tired Dozers	250	247	0.4	Diesel	7
-	Tunnel Avoidance Alternative	Site Work	Compactor	2	6	0.6	4	Plate Compactors	15	8	0.4	Diesel	1
-	Tunnel Avoidance Alternative	Rail Work	D6 Dozer	1	6	0.5	3	Rubber Tired Dozers	250	247	0.4	Diesel	6
-	Tunnel Avoidance Alternative	Rail Work	Grader	1	6	0.5	3	Graders	175	187	0.4	Diesel	5
-	Tunnel Avoidance Alternative	Rail Work	Tamper	1	4	0.4	2	Other Construction Equipm	120	100	0.4	Diesel	1
-	Tunnel Avoidance Alternative	Rail Work	Alligner	1	4	0.4	2	Other Construction Equipm	120	100	0.4	Diesel	1
-	Tunnel Avoidance Alternative	Rail Work	Swinger	1	5	0.3	2	Other Construction Equipm	50	50	0.4	Diesel	1
-	Tunnel Avoidance Alternative	Rail Work	Welders	3	5	0.6	3	Welders	50	46	0.5	Diesel	5
-	Tunnel Avoidance Alternative	Rail Work	Crane	1	5	0.6	3	Cranes	250	231	0.3	Diesel	4
-	Tunnel Avoidance Alternative	Rail Work	Wheel Loader	1	5	0.5	2	Rubber Tired Loaders	250	203	0.4	Diesel	3
-	Tunnel Avoidance Alternative	Structures	Generator	2	9	0.8	7	Generator Sets	120	84	0.7	Diesel	23
-	Tunnel Avoidance Alternative	Structures	Crane	1	5	0.6	3	Cranes	250	231	0.3	Diesel	4
-	Tunnel Avoidance Alternative	Structures	Concrete Pump	1	7	0.2	1	Pumps	120	84	0.7	Diesel	2
-	Tunnel Avoidance Alternative	Structures	Wheel Loader	4	4	0.4	2	Rubber Tired Loaders	250	203	0.4	Diesel	10
-	Tunnel Avoidance Alternative	Structures	Welders	2	5	0.5	3	Welders	50	46	0.5	Diesel	3

For Road Widening and Bridge Construction data, see RCEM input and output files.

Code	Feature	Activity	Air Basin	Vehicle	Days	RT/Day	RT Mi/Trip	Fuel	Vehicle
-	Stations	Sitework		Employee Auto	11	22	303.6	Gas	LDA-LDT
-	Stations	Sitework		Employee Auto	11	22	303.6	Gas	LDA-LDT
-	Stations	Sitework		Employee Auto	11	22	303.6	Gas	LDA-LDT
-	Stations	Structures		Employee Auto	24	48	662.4	Gas	LDA-LDT
-	Stations	Structures		Employee Auto	24	48	662.4	Gas	LDA-LDT
-	Stations	Structures		Employee Auto	24	48	662.4	Gas	LDA-LDT
InterimOMF-Demolition	OMF	Demolition		Employee Auto	36	15	10.8	Gas	LDA-LDT
InterimOMF-Site Preparation	OMF	Site Preparation		Employee Auto	18	18	10.8	Gas	LDA-LDT
InterimOMF-Grading	OMF	Grading		Employee Auto	54	20	10.8	Gas	LDA-LDT
InterimOMF-Building Construction	OMF	Building Construction		Employee Auto	152	240	10.8	Gas	LDA-LDT
InterimOMF-Paving	OMF	Paving		Employee Auto	0	15	10.8	Gas	LDA-LDT
InterimOMF-Architectural Coating	OMF	Architectural Coating		Employee Auto	0	48	10.8	Gas	LDA-LDT
WTracyMtHouseOMF-Demolition	OMF	Demolition		Employee Auto	31	15	10.8	Gas	LDA-LDT
WTracyMtHouseOMF-Site Preparation	OMF	Site Preparation		Employee Auto	15	18	10.8	Gas	LDA-LDT
WTracyMtHouseOMF-Grading	OMF	Grading		Employee Auto	53	20	10.8	Gas	LDA-LDT
WTracyMtHouseOMF-Building Construction	OMF	Building Construction		Employee Auto	161	338	10.8	Gas	LDA-LDT
WTracyMtHouseOMF-Paving	OMF	Paving		Employee Auto	0	15	10.8	Gas	LDA-LDT
WTracyMtHouseOMF-Architectural Coating	OMF	Architectural Coating		Employee Auto	0	68	10.8	Gas	LDA-LDT
TracyOMF-Demolition	OMF	Demolition		Employee Auto	36	15	10.8	Gas	LDA-LDT
TracyOMF-Site Preparation	OMF	Site Preparation		Employee Auto	22	18	10.8	Gas	LDA-LDT
TracyOMF-Grading	OMF	Grading		Employee Auto	54	20	10.8	Gas	LDA-LDT
TracyOMF-Building Construction	OMF	Building Construction		Employee Auto	148	774	10.8	Gas	LDA-LDT
TracyOMF-Paving	OMF	Paving		Employee Auto	0	15	10.8	Gas	LDA-LDT
TracyOMF-Architectural Coating	OMF	Architectural Coating		Employee Auto	0	155	10.8	Gas	LDA-LDT
-	Single Track	Site Work		Employee Auto	11	22	303.6	Gas	LDA-LDT
-	Single Track	Rail Work		Employee Auto	24	48	662.4	Gas	LDA-LDT
-	Single Track	Structures		Employee Auto	24	48	662.4	Gas	LDA-LDT
-	Double Track	Site Work		Employee Auto	11	22	303.6	Gas	LDA-LDT
-	Double Track	Rail Work		Employee Auto	24	48	662.4	Gas	LDA-LDT
-	Double Track	Structures		Employee Auto	24	48	662.4	Gas	LDA-LDT
-	Tunnel Avoidance Alternative	Site Work		Employee Auto	11	22	303.6	Gas	LDA-LDT
-	Tunnel Avoidance Alternative	Rail Work		Employee Auto	24	48	662.4	Gas	LDA-LDT
-	Tunnel Avoidance Alternative	Structures		Employee Auto	24	48	662.4	Gas	LDA-LDT

For Road Widening and Bridge Construction data, see RCEM input and output files.

Code	Feature	Activity	Vehicle	Days	Trips/Day	Mi/Trip	Vehicle
InterimOMF-Demolition	OMF	Demolition	Haul	Haul	2	20	T7
InterimOMF-Grading	OMF	Grading	Haul	Haul	105	20	T7
InterimOMF-Building Construction	OMF	Building Construction	Vendor	Vendor	94	7	T6
WTracyMtHouseOMF-Grading	OMF	Grading	Haul	Haul	1533	20	T7
WTracyMtHouseOMF-Building Construction	OMF	Building Construction	Vendor	Vendor	132	7	T6
TracyOMF-Grading	OMF	Grading	Haul	Haul	1157	20	T7
TracyOMF-Building Construction	OMF	Building Construction	Vendor	Vendor	302	7	T6

For Road Widening and Bridge Construction data, see RCEM input and output files.

Feature	Activity	Vehicle	Trucks	RT Mi/Trip	Fuel	Vehicle
Stations	Sitework	Water Truck	1	18	Diesel	T6Onsite
Stations	Sitework	Dump Truck	4	9	Diesel	T7Onsite
Stations	Structures	Water Truck	1	8	Diesel	T6Onsite
Stations	Structures	Flat Bed Truck	1	8	Diesel	T7Onsite
Stations	Structures	Pickup	3	11	Diesel	LDA-LDTOnsite
Stations	Structures	Concrete Truck	5	5	Diesel	T6Onsite
Single Track	Site Work	Water Truck	1	18	Diesel	T6Onsite
Single Track	Site Work	Dump Truck	4	9	Diesel	T7Onsite
Single Tract	Rail Work	Water Truck	2	15	Diesel	T6Onsite
Single Track	Rail Work	Flat Bed Truck	1	9	Diesel	T7Onsite
Single Track	Rail Work	Pickup	3	5	Diesel	LDA-LDTOnsite
Single Tract	Rail Work	SUV	2	13	Diesel	MDVOnsite
Single Track	Rail Work	Flat Bed Tractor	1	4	Diesel	T7Onsite
Single Track	Structures	Water Truck	1	8	Diesel	T6Onsite
Single Tract	Structures	Flat Bed Truck	1	8	Diesel	T7Onsite
Single Track	Structures	Pickup	3	11	Diesel	LDA-LDTOnsite
Single Track	Structures	Concrete Truck	5	5	Diesel	T6Onsite
Double Track	Site Work	Water Truck	1	18	Diesel	T6Onsite
Double Track	Site Work	Dump Truck	4	9	Diesel	T7Onsite
Double Track	Rail Work	Water Truck	2	15	Diesel	T6Onsite
Double Track	Rail Work	Flat Bed Truck	1	9	Diesel	T7Onsite
Double Track	Rail Work	Pickup	3	5	Diesel	LDA-LDTOnsite
Double Track	Rail Work	SUV	2	13	Diesel	MDVOnsite
Double Track	Rail Work	Flat Bed Tractor	1	4	Diesel	T7Onsite
Double Track	Structures	Water Truck	1	8	Diesel	T6Onsite
Double Track	Structures	Flat Bed Truck	1	8	Diesel	T7Onsite
Double Track	Structures	Pickup	3	11	Diesel	LDA-LDTOnsite
Double Track	Structures	Concrete Truck	5	5	Diesel	T6Onsite
Tunnel Avoidar	Site Work	Water Truck	1	18	Diesel	T6Onsite
Tunnel Avoidar	Site Work	Dump Truck	4	9	Diesel	T7Onsite
Tunnel Avoidar	Rail Work	Water Truck	2	15	Diesel	T6Onsite
Tunnel Avoidar	Rail Work	Flat Bed Truck	1	9	Diesel	T7Onsite
Tunnel Avoidar	Rail Work	Pickup	3	5	Diesel	LDA-LDTOnsite
Tunnel Avoidar	Rail Work	SUV	2	13	Diesel	MDVOnsite
Tunnel Avoidar	Rail Work	Flat Bed Tractor	1	4	Diesel	T7Onsite
Tunnel Avoidar	Structures	Water Truck	1	8	Diesel	T6Onsite
Tunnel Avoidar	Structures	Flat Bed Truck	1	8	Diesel	T7Onsite
Tunnel Avoidar	Structures	Pickup	3	11	Diesel	LDA-LDTOnsite
Tunnel Avoidar	Structures	Concrete Truck	5	5	Diesel	T6Onsite

For Road Widening and Bridge Construction data, see RCEM input and output files.

Feature	Activity	Vehicle	Trucks	RT Mi/Trip	Fuel	Vehicle
Stations	Sitework	Water Truck	0	0	Diesel	T6
Stations	Sitework	Dump Truck	4	63	Diesel	T7
Stations	Structures	Water Truck	0	0	Diesel	T6
Stations	Structures	Flat Bed Truck	1	18	Diesel	LDA-LDT
Stations	Strutures	Pickup	3	74	Diesel	LDA-LDT
Stations	STrutures	Concrete Truck	0	0	Diesel	T6
Single Track	Site Work	Water Truck	0	0	Diesel	T6
Single Track	Site Work	Dump Truck	4	63	Diesel	T7
Single Track	Rail Work	Water Truck	2	0	Diesel	T6
Single Track	Rail Work	Flat Bed Truck	1	22	Diesel	T7
Single Track	Rail Work	Pickup	3	35	Diesel	LDA-LDT
Single Track	Rail Work	SUV	0	0	Diesel	MDV
Single Track	Rail Work	Flat Bed Tractor	1	9	Diesel	T7
Single Track	Structures	Water Truck	0	0	Diesel	T6
Single Track	Structures	Flat Bed Truck	1	18	Diesel	LDA-LDT
Single Track	Structures	Pickup	3	74	Diesel	LDA-LDT
Single Track	Structures	Concrete Truck	0	0	Diesel	T6
Double Track	Site Work	Water Truck	0	0	Diesel	T6
Double Track	Site Work	Dump Truck	4	63	Diesel	T7
Double Track	Rail Work	Water Truck	2	0	Diesel	T6
Double Track	Rail Work	Flat Bed Truck	1	22	Diesel	T7
Double Track	Rail Work	Pickup	3	35	Diesel	LDA-LDT
Double Track	Rail Work	SUV	0	0	Diesel	MDV
Double Track	Rail Work	Flat Bed Tractor	1	9	Diesel	T7
Double Track	Structures	Water Truck	0	0	Diesel	T6
Double Track	Structures	Flat Bed Truck	1	18	Diesel	LDA-LDT
Double Track	Structures	Pickup	3	74	Diesel	LDA-LDT
Double Track	Structures	Concrete Truck	0	0	Diesel	T6
Tunnel Avoidance Alternative	Site Work	Water Truck	0	0	Diesel	T6
Tunnel Avoidance Alternative	Site Work	Dump Truck	4	63	Diesel	T7
Tunnel Avoidance Alternative	Rail Work	Water Truck	2	0	Diesel	T6
Tunnel Avoidance Alternative	Rail Work	Flat Bed Truck	1	22	Diesel	T7
Tunnel Avoidance Alternative	Rail Work	Pickup	3	35	Diesel	LDA-LDT
Tunnel Avoidance Alternative	Rail Work	SUV	0	0	Diesel	MDV
Tunnel Avoidance Alternative	Rail Work	Flat Bed Tractor	1	9	Diesel	T7
Tunnel Avoidance Alternative	Structures	Water Truck	0	0	Diesel	T6
Tunnel Avoidance Alternative	Structures	Flat Bed Truck	1	18	Diesel	LDA-LDT
Tunnel Avoidance Alternative	Structures	Pickup	3	74	Diesel	LDA-LDT
Tunnel Avoidance Alternative	Structures	Concrete Truck	0	0	Diesel	T6

For Road Widening and Bridge Construction data, see RCEM input and output files.

Code	Feature	Activity	Grading (acre)	Cut/fill (cy)	Dozing (hour/day)
-	Stations	Dublin/Pleasanton			
-	Stations	Dublin/PleasantonSW	15	6,500	8.5
-	Stations	Dublin/PleasantonStr			
-	Stations	Isabel			
-	Stations	IsabelSW	13	10,000	8.5
-	Stations	IsabelStr			
-	Stations	South Front Street IOS			
-	Stations	South Front Street IOSSW	29	10,000	8.5
-	Stations	South Front Street IOSStr			
-	Stations	Greenville IOS			
-	Stations	Greenville IOSSW	31	25,000	8.5
-	Stations	Greenville IOSStr			
-	Stations	Mountain House IOS			
-	Stations	Mountain House IOSSW	27	30,000	8.5
-	Stations	Mountain House IOSStr			
-	Stations	West Tracy Alternative IOS			
-	Stations	West Tracy Alternative IOSSW	22	24,000	8.5
-	Stations	West Tracy Alternative IOSStr			
-	Stations	Downtown Tracy			
-	Stations	Downtown TracySW	12	10,000	8.5
-	Stations	Downtown TracyStr			
-	Stations	Downtown Tracy South Garage			
-	Stations	Downtown Tracy South Garage SW	6.5	10,000	8.5
-	Stations	Downtown Tracy South Garage Str			
-	Stations	Downtown Tracy North Garage			
-	Stations	Downtown Tracy North GarageSW	6.9	10,000	8.5
-	Stations	Downtown Tracy North GarageStr			
-	Stations	River Islands			
-	Stations	River IslandsSW	15	15,000	8.5
-	Stations	River IslandsStr			
-	Stations	North Lathrop			
-	Stations	North LathropSW	10	23,500	8.5
-	Stations	North LathropStr			
InterimOMF-Grading	OMF	Interim OMF Grading	0.3	1,687	8.0
WTracyMtHouseOMF-Grading	OMF	W Tracy Mountain House Grading	0.4	12,264	8.0
TracyOMF-Grading	OMF	Tracy OMF Grading	0.3	9,259	8.0
-	Single Track	TriValAlign			
-	Single Track	TriValAlignSW	57.8	20,563	8.5
-	Single Track	TriValAlignRW			3.0
-	Single Track	TriValAlignStr			
-	Double Track	TriValAlign			
-	Double Track	TriValAlignSW	57.8	20,563	8.5
-	Double Track	TriValAlignRW			3.0
-	Double Track	TriValAlignStr			
-	Double Track	AltaAlign			
-	Double Track	AltaAlignSW	83.6	1,485,091	8.5
-	Double Track	AltaAlignRW			3.0
-	Double Track	AltaAlignStr			
-	Double Track	TraLathAlign			
-	Double Track	TraLathAlignSW	79.6	263,293	8.5
-	Double Track	TraLathAlignRW			3.0
-	Double Track	TraLathAlignStr			
-	Tunnel Avoidance Alternative	TriValAlign	57.8	20,563	8.5
-	Tunnel Avoidance Alternative	TriValAlignSW			3.0

-	Tunnel Avoidance Alternative	TriValAlignRW			
-	Tunnel Avoidance Alternative	TriValAlignStr			
-	Tunnel Avoidance Alternative	AltaAlign	83.6	1,485,091	8.5
-	Tunnel Avoidance Alternative	AltaAlignSW			3.0
-	Tunnel Avoidance Alternative	AltaAlignRW			
-	Tunnel Avoidance Alternative	AltaAlignStr			
-	Tunnel Avoidance Alternative	TraLathAlign	79.6	263,293	8.5
-	Tunnel Avoidance Alternative	TraLathAlignSW			3.0
-	Tunnel Avoidance Alternative	TraLathAlignRW			
-	Tunnel Avoidance Alternative	TraLathAlignStr			

For Road Widening and Bridge Construction data, see RCEM input and output files.

Code	Feature	Activity/Sub Phase	Paved (sf)
-	Stations	Dublin/Pleasanton	
-	Stations	Dublin/PleasantonSW	0
-	Stations	Dublin/PleasantonStr	0
-	Stations	Isabel	
-	Stations	IsabelSW	440,000
-	Stations	IsabelStr	0
-	Stations	South Front Street IOS	
-	Stations	South Front Street IOSSW	1,135,500
-	Stations	South Front Street IOSStr	0
-	Stations	Greenville IOS	
-	Stations	Greenville IOSSW	463,000
-	Stations	Greenville IOSStr	0
-	Stations	Mountain House IOS	
-	Stations	Mountain House IOSSW	441,200
-	Stations	Mountain House IOSStr	0
-	Stations	West Tracy Alternative IOS	
-	Stations	West Tracy Alternative IOSSW	261,000
-	Stations	West Tracy Alternative IOSStr	0
-	Stations	Downtown Tracy	
-	Stations	Downtown TracySW	309,000
-	Stations	Downtown TracyStr	0
-	Stations	Downtown Tracy South Garage	
-	Stations	Downtown Tracy South Garage SW	0
-	Stations	Downtown Tracy South Garage Str	0
-	Stations	Downtown Tracy North Garage	
-	Stations	Downtown Tracy North GarageSW	0
-	Stations	Downtown Tracy North GarageStr	0
-	Stations	River Islands	
-	Stations	River IslandsSW	657,000
-	Stations	River IslandsStr	0
-	Stations	North Lathrop	
-	Stations	North LathropSW	0
-	Stations	North LathropStr	0
InterimOMF-Paving	OMF	Interim OMF Paving	13,167
WTracyMtHouseOMF-Paving	OMF	W Tracy Mountain House Paving	23,090
TracyOMF-Paving	OMF	Tracy OMF Paving	42,654

For Road Widening and Bridge Construction data, see RCEM input and output files.

Code	Feature	Activity	Demo (sf)
-	Stations	Dublin/Pleasanton	379
-	Stations	Dublin/PleasantonSW	
-	Stations	Dublin/PleasantonStr	
-	Stations	Isabel	
-	Stations	IsabelSW	
-	Stations	IsabelStr	
-	Stations	South Front Street IOS	3,160
-	Stations	South Front Street IOSSW	
-	Stations	South Front Street IOSStr	
-	Stations	Greenville IOS	632
-	Stations	Greenville IOSSW	
-	Stations	Greenville IOSStr	
-	Stations	Mountain House IOS	
-	Stations	Mountain House IOSSW	
-	Stations	Mountain House IOSStr	
-	Stations	West Tracy Alternative IOS	
-	Stations	West Tracy Alternative IOSSW	
-	Stations	West Tracy Alternative IOSStr	
-	Stations	Downtown Tracy	2,275
-	Stations	Downtown TracySW	
-	Stations	Downtown TracyStr	
-	Stations	Downtown Tracy South Garage	2,275
-	Stations	Downtown Tracy South Garage SW	
-	Stations	Downtown Tracy South Garage Str	
-	Stations	Downtown Tracy North Garage	2,275
-	Stations	Downtown Tracy North GarageSW	
-	Stations	Downtown Tracy North GarageStr	
-	Stations	River Islands	
-	Stations	River IslandsSW	
-	Stations	River IslandsStr	
-	Stations	North Lathrop	
-	Stations	North LathropSW	
-	Stations	North LathropStr	
InterimOMF	OMF	Interim OMF Demolition	26

For Road Widening and Bridge Construction data, see RCEM input and output files.

Code	Feature	Activity	Coated (sf)
-	Stations	Dublin/Pleasanton	
-	Stations	Dublin/PleasantonSW	
-	Stations	Dublin/PleasantonStr	18,000
-	Stations	Isabel	
-	Stations	IsabelSW	
-	Stations	IsabelStr	2,640
-	Stations	South Front Street IOS	
-	Stations	South Front Street IOSSW	
-	Stations	South Front Street IOSStr	68,130
-	Stations	Greenville IOS	
-	Stations	Greenville IOSSW	
-	Stations	Greenville IOSStr	27,780
-	Stations	Mountain House IOS	
-	Stations	Mountain House IOSSW	
-	Stations	Mountain House IOSStr	26,472
-	Stations	West Tracy Alternative IOS	
-	Stations	West Tracy Alternative IOSSW	
-	Stations	West Tracy Alternative IOSStr	15,660
-	Stations	Downtown Tracy	
-	Stations	Downtown TracySW	
-	Stations	Downtown TracyStr	18,540
-	Stations	Downtown Tracy South Garage	
-	Stations	Downtown Tracy South Garage SW	
-	Stations	Downtown Tracy South Garage Str	24,300
-	Stations	Downtown Tracy North Garage	
-	Stations	Downtown Tracy North GarageSW	
-	Stations	Downtown Tracy North GarageStr	18,900
-	Stations	River Islands	
-	Stations	River IslandsSW	
-	Stations	River IslandsStr	39,420
-	Stations	North Lathrop	
-	Stations	North LathropSW	
-	Stations	North LathropStr	28,200
InterimOMF-Architectural Coating	OMF	Interim OMF Coating	2,375
WTracyMtHouseOMF-Architectural Coating	OMF	W Tracy Mountain House Coating	2,850
TracyOMF-Architectural Coating	OMF	Tracy OMF Coating	3,905

For Road Widening and Bridge Construction data, see RCEM input and output files.

Feature	Activity	Loco	Engine Tier	#/day	Site hrs/day	Burden	Op hrs/day	HP	LF	Fuel	Fuel (gal/day)
Single Track	Rail Work	DSL LOCOMOTIVE	0	2	5	0.4	2	1500	0.8	Diesel	105.38006
Double Track	Rail Work	DSL LOCOMOTIVE	0	2	5	0.4	2	1500	0.8	Diesel	105.38006
Tunnel Avoidance Alternative	Rail Work	DSL LOCOMOTIVE	0	2	5	0.4	2	1500	0.8	Diesel	106.38006

Appendix L.1

Valley Link

Bridge Construction and Road Widening Assumptions

Road Construction Emissions Model **Version 9.0.0**

Data Entry Worksheet

Note: Required data input sections have a yellow background.
Optional data input sections have a blue background. Only areas with a yellow or blue background can be modified. Program defaults have a white background.
The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project types.
Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new project.

To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.

SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT

Input Type

Project Name	Valley Link: I-580 Bridge Work	
Construction Start Year	2022	Enter a Year between 2014 and 2040 (inclusive)
Project Type	3	1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway 2) Road Widening : Project to add a new lane to an existing roadway 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee construction
Project Construction Time	48.00	months
Working Days per Month	22.00	days (assume 22 if unknown)
Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)	2	1) Sand Gravel : Use for quaternary deposits (Delta/West County) 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the Ione formation (Scott Road, Rancho Murieta) 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta)
Project Length	12.00	miles
Total Project Area	4.00	acres
Maximum Area Disturbed/Day	0.50	acres
Water Trucks Used?	1	1. Yes 2. No

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County.

http://www.conservation.ca.gov/cgs/information/geologic_mapping/Pages/googlemaps.aspx#regionalseries

Material Hauling Quantity Input

Material Type	Phase	Haul Truck Capacity (yd^3) (assume 20 if unknown)	Import Volume (yd^3/day)	Export Volume (yd^3/day)
Soil	Grubbing/Land Clearing	20.00	0.00	0.00
	Grading/Excavation	20.00	0.00	0.00
	Drainage/Utilities/Sub-Grade	20.00	0.00	0.00
	Paving	20.00	0.00	0.00
Asphalt	Grubbing/Land Clearing	20.00	0.00	0.00
	Grading/Excavation	20.00	0.00	0.00
	Drainage/Utilities/Sub-Grade	20.00	0.00	0.00
	Paving	20.00	0.00	0.00

Mitigation Options

On-road Fleet Emissions Mitigation	No Mitigation	Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer Select "20% NOx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAQMD Construction Mitigation Calculator can be used to confirm compliance with this mitigation measure (http://www.airquality.org/Businesses/CEQA-Land-Use-Planning/Mitigation). Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standard
Off-road Equipment Emissions Mitigation	No Mitigation	

The remaining sections of this sheet contain areas that can be modified by the user, although those modifications are optional.

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F53.

Construction Periods	User Override of Construction Months	Program Calculated Months	User Override of Phase Starting Date	Program Default Phase Starting Date
Grubbing/Land Clearing		4.80		1/1/2022
Grading/Excavation		21.60		5/27/2022
Drainage/Utilities/Sub-Grade		14.40		3/14/2024
Paving		7.20		5/26/2025
Totals (Months)		48		

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F64.

Soil Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing		30.00		0	0.00
Miles/round trip: Grading/Excavation		30.00		0	0.00
Miles/round trip: Drainage/Utilities/Sub-Grade		30.00		0	0.00
Miles/round trip: Paving		30.00		0	0.00

Emission Rates	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Grubbing/Land Clearing (grams/mile)	0.18	0.66	4.71	0.14	0.08	0.02	1,793.76	0.01	0.28	1,877.99
Grading/Excavation (grams/mile)	0.09	0.51	3.92	0.12	0.06	0.02	1,746.43	0.00	0.27	1,828.34
Draining/Utilities/Sub-Grade (grams/mile)	0.04	0.43	3.48	0.12	0.05	0.02	1,696.84	0.00	0.27	1,776.37
Paving (grams/mile)	0.04	0.43	3.46	0.12	0.05	0.02	1,682.27	0.00	0.26	1,761.12
Grubbing/Land Clearing (grams/trip)	0.00	0.00	3.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/trip)	0.00	0.00	4.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Draining/Utilities/Sub-Grade (grams/trip)	0.00	0.00	4.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	4.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Asphalt Hauling emission default values can be overridden in cells D91 through D94, and F91 through F94.

Asphalt Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing		30.00		0	0.00
Miles/round trip: Grading/Excavation		30.00		0	0.00
Miles/round trip: Drainage/Utilities/Sub-Grade		30.00		0	0.00
Miles/round trip: Paving		30.00		0	0.00

Emission Rates	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Grubbing/Land Clearing (grams/mile)	0.18	0.66	4.71	0.14	0.08	0.02	1,793.76	0.01	0.28	1,877.99
Grading/Excavation (grams/mile)	0.09	0.51	3.92	0.12	0.06	0.02	1,746.43	0.00	0.27	1,828.34
Draining/Utilities/Sub-Grade (grams/mile)	0.04	0.43	3.48	0.12	0.05	0.02	1,696.84	0.00	0.27	1,776.37
Paving (grams/mile)	0.04	0.43	3.46	0.12	0.05	0.02	1,682.27	0.00	0.26	1,761.12
Grubbing/Land Clearing (grams/trip)	0.00	0.00	3.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/trip)	0.00	0.00	4.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Draining/Utilities/Sub-Grade (grams/trip)	0.00	0.00	4.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	4.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Worker commute default values can be overridden in cells D121 through D126.

Worker Commute Emissions User Input	User Override of Worker Commute Default Values	Default Values		
Miles/ one-way trip		20	Calculated Daily Trips	Calculated Daily VMT
One-way trips/day		2		
No. of employees: Grubbing/Land Clearing		34	68	1,360.00
No. of employees: Grading/Excavation		57	114	2,280.00
No. of employees: Drainage/Utilities/Sub-Grade		47	94	1,880.00
No. of employees: Paving		37	74	1,480.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.02	1.00	0.08	0.05	0.02	0.00	328.72	0.00	0.01	330.96
Grading/Excavation (grams/mile)	0.02	0.93	0.08	0.05	0.02	0.00	320.10	0.00	0.01	322.17
Draining/Utilities/Sub-Grade (grams/mile)	0.01	0.82	0.06	0.05	0.02	0.00	303.08	0.00	0.01	304.87
Paving (grams/mile)	0.01	0.78	0.06	0.05	0.02	0.00	295.84	0.00	0.01	297.52
Grubbing/Land Clearing (grams/trip)	1.11	2.85	0.32	0.00	0.00	0.00	70.54	0.08	0.03	82.43
Grading/Excavation (grams/trip)	1.06	2.77	0.30	0.00	0.00	0.00	68.76	0.07	0.03	80.15
Draining/Utilities/Sub-Grade (grams/trip)	0.96	2.63	0.26	0.00	0.00	0.00	65.24	0.06	0.03	75.66
Paving (grams/trip)	0.93	2.56	0.25	0.00	0.00	0.00	63.73	0.06	0.03	73.77
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.22	3.43	0.30	0.14	0.06	0.01	996.17	0.02	0.03	1,004.67
Tons per const. Period - Grubbing/Land Clearing	0.01	0.18	0.02	0.01	0.00	0.00	52.60	0.00	0.00	53.05
Pounds per day - Grading/Excavation	0.35	5.39	0.45	0.23	0.10	0.02	1,626.25	0.04	0.04	1,639.54
Tons per const. Period - Grading/Excavation	0.08	1.28	0.11	0.06	0.02	0.00	386.40	0.01	0.01	389.55
Pounds per day - Drainage/Utilities/Sub-Grade	0.25	3.93	0.31	0.19	0.08	0.01	1,269.69	0.03	0.03	1,279.26
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.04	0.62	0.05	0.03	0.01	0.00	201.12	0.00	0.00	202.64
Pounds per day - Paving	0.19	2.95	0.22	0.15	0.06	0.01	975.66	0.02	0.02	982.80
Tons per const. Period - Paving	0.01	0.23	0.02	0.01	0.00	0.00	77.27	0.00	0.00	77.84
Total tons per construction project	0.15	2.32	0.19	0.11	0.04	0.01	717.39	0.02	0.02	723.07

Note: Water Truck default values can be overridden in cells D153 through D156, I153 through I156, and F153 through F156.

Water Truck Emissions User Input	User Override of Default # Water Trucks	Program Estimate of Number of Water Trucks	User Override of Truck Round Trips/Vehicle/Day	Default Values Round Trips/Vehicle/Day	Calculated Trips/day	User Override of Miles/Round Trip	Default Values Miles/Round Trip	Calculated Daily VMT
Grubbing/Land Clearing - Exhaust		1		5	5		8.00	40.00
Grading/Excavation - Exhaust		1		5	5		8.00	40.00
Drainage/Utilities/Subgrade		1		5	5		8.00	40.00
Paving		1		5	5		8.00	40.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.18	0.66	4.71	0.14	0.08	0.02	1,793.76	0.01	0.28	1,877.99
Grading/Excavation (grams/mile)	0.09	0.51	3.92	0.12	0.06	0.02	1,746.43	0.00	0.27	1,828.34
Draining/Utilities/Sub-Grade (grams/mile)	0.04	0.43	3.48	0.12	0.05	0.02	1,696.84	0.00	0.27	1,776.37
Paving (grams/mile)	0.04	0.43	3.46	0.12	0.05	0.02	1,682.27	0.00	0.26	1,761.12
Grubbing/Land Clearing (grams/trip)	0.00	0.00	3.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/trip)	0.00	0.00	4.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Draining/Utilities/Sub-Grade (grams/trip)	0.00	0.00	4.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	4.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.02	0.06	0.46	0.01	0.01	0.00	158.18	0.00	0.02	165.61
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.02	0.00	0.00	0.00	8.35	0.00	0.00	8.74
Pounds per day - Grading/Excavation	0.01	0.04	0.39	0.01	0.01	0.00	154.01	0.00	0.02	161.23
Tons per const. Period - Grading/Excavation	0.00	0.01	0.09	0.00	0.00	0.00	36.59	0.00	0.01	38.31
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.04	0.36	0.01	0.00	0.00	149.64	0.00	0.02	156.65
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.01	0.06	0.00	0.00	0.00	23.70	0.00	0.00	24.81
Pounds per day - Paving	0.00	0.04	0.35	0.01	0.00	0.00	148.35	0.00	0.02	155.30
Tons per const. Period - Paving	0.00	0.00	0.03	0.00	0.00	0.00	11.75	0.00	0.00	12.30
Total tons per construction project	0.00	0.02	0.20	0.01	0.00	0.00	80.40	0.00	0.01	84.17

Note: Fugitive dust default values can be overridden in cells D183 through D185.

Fugitive Dust	User Override of Max Acreage Disturbed/Day	Default Maximum Acreage/Day	PM10 pounds/day	PM10 tons/per period	PM2.5 pounds/day	PM2.5 tons/per period
Fugitive Dust - Grubbing/Land Clearing		0.50	5.00	0.26	1.04	0.05
Fugitive Dust - Grading/Excavation		0.50	5.00	1.19	1.04	0.25
Fugitive Dust - Drainage/Utilities/Subgrade		0.50	5.00	0.79	1.04	0.16

Off-Road Equipment Emissions

Grubbing/Land Clearing	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1		Model Default Tier	Crawler Tractors	0.49	2.31	6.01	0.23	0.21	0.01	759.03	0.25	0.01	767.22
			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2		Model Default Tier	Excavators	0.40	6.51	3.55	0.17	0.16	0.01	1,000.03	0.32	0.01	1,010.81
			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other General Industrial Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Material Handling Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	24		Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Grubbing/Land Clearing	pounds per day	0.90	8.83	9.56	0.40	0.37	0.02	1,759.06	0.57	0.02	1,778.03
	Grubbing/Land Clearing	tons per phase	0.05	0.47	0.50	0.02	0.02	0.00	92.88	0.03	0.00	93.88

Grading/Excavation	Default Number of Vehicles	Mitigation Option: Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Default Equipment Tier	Type	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*				pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1		Model Default Tier	Cranes	0.36	1.85	3.90	0.16	0.15	0.01	558.82	0.18	0.01	564.85
	2		Model Default Tier	Crawler Tractors	0.92	4.53	10.75	0.41	0.38	0.02	1,517.13	0.49	0.01	1,533.50
			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4		Model Default Tier	Excavators	0.77	13.03	6.43	0.31	0.29	0.02	2,000.38	0.65	0.02	2,021.94
			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2		Model Default Tier	Graders	0.78	3.40	9.60	0.31	0.28	0.01	1,281.91	0.41	0.01	1,295.73
			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other General Industrial Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Material Handling Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3		Model Default Tier	Rollers	0.47	5.56	4.92	0.27	0.25	0.01	762.33	0.25	0.01	770.55
			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3		Model Default Tier	Rubber Tired Loaders	0.83	4.55	8.22	0.28	0.25	0.02	1,816.77	0.59	0.02	1,836.39
	4		Model Default Tier	Scrapers	3.18	24.79	33.74	1.32	1.22	0.06	5,880.27	1.90	0.05	5,943.65
0.00	24		Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2		Model Default Tier	Tractors/Loaders/Backhoes	0.31	4.47	3.14	0.16	0.15	0.01	602.97	0.20	0.01	609.46
			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grading/Excavation		pounds per day	7.61	62.17	80.71	3.23	2.97	0.15	14,420.60	4.66	0.13	14,576.05
Grading/Excavation		tons per phase	1.81	14.77	19.18	0.77	0.71	0.04	3,426.33	1.11	0.03	3,463.27

Drainage/Utilities/Subgrade	Default Number of Vehicles	Mitigation Option: Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Default Equipment Tier		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*				pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1		Model Default Tier	Air Compressors	0.24	2.41	1.59	0.08	0.08	0.00	375.26	0.02	0.00	376.63
			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1		Model Default Tier	Generator Sets	0.28	3.66	2.49	0.11	0.11	0.01	623.04	0.02	0.00	625.04
	2		Model Default Tier	Graders	0.68	3.27	7.85	0.25	0.23	0.01	1,280.84	0.41	0.01	1,294.64
			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other General Industrial Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Material Handling Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1		Model Default Tier	Plate Compactors	0.04	0.21	0.25	0.01	0.01	0.00	34.48	0.00	0.00	34.65
			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1		Model Default Tier	Pumps	0.30	3.72	2.53	0.11	0.11	0.01	623.04	0.03	0.00	625.10
			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1		Model Default Tier	Rough Terrain Forklifts	0.10	2.29	1.33	0.04	0.04	0.00	333.73	0.11	0.00	337.33
			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4		Model Default Tier	Scrapers	2.92	23.09	29.02	1.15	1.05	0.06	5,875.13	1.90	0.05	5,938.45
0.00	24		Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2		Model Default Tier	Tractors/Loaders/Backhoes	0.28	4.47	2.82	0.12	0.11	0.01	603.73	0.20	0.01	610.22
			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
	Drainage/Utilities/Sub-Grade	pounds per day	4.84	43.12	47.88	1.87	1.74	0.10	9,749.24	2.69	0.09	9,842.06
	Drainage/Utilities/Sub-Grade	tons per phase	0.77	6.83	7.58	0.30	0.28	0.02	1,544.28	0.43	0.01	1,558.98

Paving	Default Number of Vehicles	Override of Default Number of Vehicles	Mitigation Option: Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Default Equipment Tier	Type	ROG pounds/day	CO pounds/day	NOx pounds/day	PM10 pounds/day	PM2.5 pounds/day	SOx pounds/day	CO2 pounds/day	CH4 pounds/day	N2O pounds/day	CO2e pounds/day
	Program-estimate			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Other General Industrial Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Other Material Handling Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1			Model Default Tier	Pavers	0.17	2.90	1.58	0.07	0.07	0.00	454.99	0.15	0.00	459.90
	1			Model Default Tier	Paving Equipment	0.15	2.55	1.26	0.06	0.06	0.00	394.32	0.13	0.00	398.57
				Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1			Model Default Tier	Rollers	0.14	1.85	1.44	0.07	0.07	0.00	254.06	0.08	0.00	256.80
				Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	24			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2			Model Default Tier	Tractors/Loaders/Backhoes	0.26	4.46	2.67	0.11	0.10	0.01	604.11	0.20	0.01	610.61
				Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Paving	pounds per day		0.72	11.75	6.96	0.32	0.29	0.02	1,707.49	0.55	0.02	1,725.88
Paving	tons per phase		0.06	0.93	0.55	0.03	0.02	0.00	135.23	0.04	0.00	136.69
Total Emissions all Phases (tons per construction period) =>			2.68	23.00	27.82	1.11	1.02	0.05	5,198.72	1.61	0.05	5,252.82

Equipment default values for horsepower and hours/day can be overridden in cells D403 through D436 and F403 through F436.

Equipment	User Override of Horsepower	Default Values Horsepower	User Override of Hours/day	Default Values Hours/day
Aerial Lifts		63		8
Air Compressors		78		8
Bore/Drill Rigs		221		8
Cement and Mortar Mixers		9		8
Concrete/Industrial Saws		81		8
Cranes		231		8
Crawler Tractors		212		8
Crushing/Proc. Equipment		85		8
Excavators		158		8
Forklifts		89		8
Generator Sets		84		8
Graders		187		8
Off-Highway Tractors		124		8
Off-Highway Trucks		402		8
Other Construction Equipment		172		8
Other General Industrial Equipment		88		8
Other Material Handling Equipment		168		8
Pavers		130		8
Paving Equipment		132		8
Plate Compactors		8		8
Pressure Washers		13		8
Pumps		84		8
Rollers		80		8
Rough Terrain Forklifts		100		8
Rubber Tired Dozers		247		8
Rubber Tired Loaders		203		8
Scrapers		367		8
Signal Boards		6		8
Skid Steer Loaders		65		8
Surfacing Equipment		263		8
Sweepers/Scrubbers		64		8
Tractors/Loaders/Backhoes		97		8
Trenchers		78		8
Welders		46		8

END OF DATA ENTRY SHEET

Road Construction Emissions Model, Version 9.0.0

Daily Emission Estimates for -> Valley Link: I-580 Bridge Work				Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Pounds)	**ROG (lbs/day)**	**CO (lbs/day)**	**NOx (lbs/day)**	**PM10 (lbs/day)**	**PM10 (lbs/day)**	**PM10 (lbs/day)**	**PM2.5 (lbs/day)**	**PM2.5 (lbs/day)**	**PM2.5 (lbs/day)**	**SOx (lbs/day)**	**CO2 (lbs/day)**	**CH4 (lbs/day)**	**N2O (lbs/day)**	**CO2e (lbs/day)**
Grubbing/Land Clearing	1.13	12.31	10.32	5.55	0.55	5.00	1.47	0.43	1.04	0.03	2,913.42	0.59	0.07	2,948.31
Grading/Excavation	7.96	67.60	81.55	8.47	3.47	5.00	4.11	3.07	1.04	0.17	16,200.86	4.70	0.20	16,376.82
Drainage/Utilities/Sub-Grade	5.09	47.09	48.54	7.07	2.07	5.00	2.87	1.83	1.04	0.12	11,168.56	2.72	0.14	11,277.97
Paving	0.91	14.73	7.54	0.48	0.48	0.00	0.36	0.36	0.00	0.03	2,831.50	0.57	0.06	2,863.99
Maximum (pounds/day)	7.96	67.60	81.55	8.47	3.47	5.00	4.11	3.07	1.04	0.17	16,200.86	4.70	0.20	16,376.82
Total (tons/construction project)	2.83	25.34	28.21	3.46	1.22	2.24	1.54	1.07	0.47	0.06	5,996.51	1.62	0.08	6,060.06

Notes:

Project Start Year ->	2022
Project Length (months) ->	48
Total Project Area (acres) ->	4
Maximum Area Disturbed/Day (acres) ->	1
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	0	0	0	0	1,360	40
Grading/Excavation	0	0	0	0	2,280	40
Drainage/Utilities/Sub-Grade	0	0	0	0	1,880	40
Paving	0	0	0	0	1,480	40

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> Valley Link: I-580 Bridge Work				Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	**ROG (tons/phase)**	**CO (tons/phase)**	**NOx (tons/phase)**	**PM10 (tons/phase)**	**PM10 (tons/phase)**	**PM10 (tons/phase)**	**PM2.5 (tons/phase)**	**PM2.5 (tons/phase)**	**PM2.5 (tons/phase)**	**SOx (tons/phase)**	**CO2 (tons/phase)**	**CH4 (tons/phase)**	**N2O (tons/phase)**	**CO2e (MT/phase)**
Grubbing/Land Clearing	0.06	0.65	0.54	0.29	0.03	0.26	0.08	0.02	0.05	0.00	153.83	0.03	0.00	141.22
Grading/Excavation	1.89	16.06	19.38	2.01	0.83	1.19	0.98	0.73	0.25	0.04	3,849.32	1.12	0.05	3,530.01
Drainage/Utilities/Sub-Grade	0.81	7.46	7.69	1.12	0.33	0.79	0.45	0.29	0.16	0.02	1,769.10	0.43	0.02	1,620.64
Paving	0.07	1.17	0.60	0.04	0.04	0.00	0.03	0.03	0.00	0.00	224.25	0.05	0.00	205.78
Maximum (tons/phase)	1.89	16.06	19.38	2.01	0.83	1.19	0.98	0.73	0.25	0.04	3849.32	1.12	0.05	3,530.01
Total (tons/construction project)	2.83	25.34	28.21	3.46	1.22	2.24	1.54	1.07	0.47	0.06	5996.51	1.62	0.08	5,497.65

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model **Version 9.0.0**

Data Entry Worksheet

Note: Required data input sections have a yellow background.
Optional data input sections have a blue background. Only areas with a yellow or blue background can be modified. Program defaults have a white background.
The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project types.
Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new project.

To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.

SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT

Input Type

Project Name	Valley Link: I-580 Road Widening	
Construction Start Year	2022	Enter a Year between 2014 and 2040 (inclusive)
Project Type	2	1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway 2) Road Widening : Project to add a new lane to an existing roadway 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee construction
Project Construction Time	48.00	months
Working Days per Month	22.00	days (assume 22 if unknown)
Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)	2	1) Sand Gravel : Use for quaternary deposits (Delta/West County) 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the Ione formation (Scott Road, Rancho Murieta) 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta)
Project Length	12.00	miles
Total Project Area	43.00	acres
Maximum Area Disturbed/Day	0.50	acres
Water Trucks Used?	1	1. Yes 2. No

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County.

http://www.conservation.ca.gov/cgs/information/geologic_mapping/Pages/googlemaps.aspx#regionalseries

Material Hauling Quantity Input

Material Type	Phase	Haul Truck Capacity (yd^3) (assume 20 if unknown)	Import Volume (yd^3/day)	Export Volume (yd^3/day)
Soil	Grubbing/Land Clearing	20.00	162.97	162.97
	Grading/Excavation	20.00	162.97	162.97
	Drainage/Utilities/Sub-Grade	20.00	162.97	162.97
	Paving	20.00	162.97	162.97
Asphalt	Grubbing/Land Clearing	20.00	162.97	162.97
	Grading/Excavation	20.00	162.97	162.97
	Drainage/Utilities/Sub-Grade	20.00	162.97	162.97
	Paving	20.00	162.97	162.97

Mitigation Options

On-road Fleet Emissions Mitigation	No Mitigation	Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer Select "20% NOx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAQMD Construction Mitigation Calculator can be used to confirm compliance with this mitigation measure (http://www.airquality.org/Businesses/CEQA-Land-Use-Planning/Mitigation). Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standard
Off-road Equipment Emissions Mitigation	No Mitigation	

The remaining sections of this sheet contain areas that can be modified by the user, although those modifications are optional.

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F53.

Construction Periods	User Override of Construction Months	Program Calculated Months	User Override of Phase Starting Date	Program Default Phase Starting Date
Grubbing/Land Clearing		4.80		1/1/2022
Grading/Excavation		21.60		5/27/2022
Drainage/Utilities/Sub-Grade		14.40		3/14/2024
Paving		7.20		5/26/2025
Totals (Months)		48		

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F64.

Soil Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing		30.00		17	510.00
Miles/round trip: Grading/Excavation		30.00		17	510.00
Miles/round trip: Drainage/Utilities/Sub-Grade		30.00		17	510.00
Miles/round trip: Paving		30.00		17	510.00

Emission Rates	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Grubbing/Land Clearing (grams/mile)	0.18	0.66	4.71	0.14	0.08	0.02	1,793.76	0.01	0.28	1,877.99
Grading/Excavation (grams/mile)	0.09	0.51	3.92	0.12	0.06	0.02	1,746.43	0.00	0.27	1,828.34
Draining/Utilities/Sub-Grade (grams/mile)	0.04	0.43	3.48	0.12	0.05	0.02	1,696.84	0.00	0.27	1,776.37
Paving (grams/mile)	0.04	0.43	3.46	0.12	0.05	0.02	1,682.27	0.00	0.26	1,761.12
Grubbing/Land Clearing (grams/trip)	0.00	0.00	3.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/trip)	0.00	0.00	4.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Draining/Utilities/Sub-Grade (grams/trip)	0.00	0.00	4.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	4.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.20	0.75	5.45	0.16	0.09	0.02	2,016.83	0.01	0.32	2,111.54
Tons per const. Period - Grubbing/Land Clearing	0.01	0.04	0.29	0.01	0.00	0.00	106.49	0.00	0.02	111.49
Pounds per day - Grading/Excavation	0.10	0.57	4.57	0.14	0.07	0.02	1,963.61	0.00	0.31	2,055.71
Tons per const. Period - Grading/Excavation	0.02	0.13	1.09	0.03	0.02	0.00	466.55	0.00	0.07	488.44
Pounds per day - Drainage/Utilities/Sub-Grade	0.05	0.48	4.08	0.13	0.06	0.02	1,907.86	0.00	0.30	1,997.28
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.01	0.08	0.65	0.02	0.01	0.00	302.21	0.00	0.05	316.37
Pounds per day - Paving	0.05	0.48	4.06	0.13	0.06	0.02	1,891.47	0.00	0.30	1,980.13
Tons per const. Period - Paving	0.00	0.04	0.32	0.01	0.00	0.00	149.80	0.00	0.02	156.83
Total tons per construction project	0.05	0.29	2.34	0.07	0.03	0.01	1,025.05	0.00	0.16	1,073.12

Note: Asphalt Hauling emission default values can be overridden in cells D91 through D94, and F91 through F94.

Asphalt Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing		30.00		17	510.00
Miles/round trip: Grading/Excavation		30.00		17	510.00
Miles/round trip: Drainage/Utilities/Sub-Grade		30.00		17	510.00
Miles/round trip: Paving		30.00		17	510.00

Emission Rates	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Grubbing/Land Clearing (grams/mile)	0.18	0.66	4.71	0.14	0.08	0.02	1,793.76	0.01	0.28	1,877.99
Grading/Excavation (grams/mile)	0.09	0.51	3.92	0.12	0.06	0.02	1,746.43	0.00	0.27	1,828.34
Draining/Utilities/Sub-Grade (grams/mile)	0.04	0.43	3.48	0.12	0.05	0.02	1,696.84	0.00	0.27	1,776.37
Paving (grams/mile)	0.04	0.43	3.46	0.12	0.05	0.02	1,682.27	0.00	0.26	1,761.12
Grubbing/Land Clearing (grams/trip)	0.00	0.00	3.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/trip)	0.00	0.00	4.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Draining/Utilities/Sub-Grade (grams/trip)	0.00	0.00	4.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	4.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.20	0.75	5.45	0.16	0.09	0.02	2,016.83	0.01	0.32	2,111.54
Tons per const. Period - Grubbing/Land Clearing	0.01	0.04	0.29	0.01	0.00	0.00	106.49	0.00	0.02	111.49
Pounds per day - Grading/Excavation	0.10	0.57	4.57	0.14	0.07	0.02	1,963.61	0.00	0.31	2,055.71
Tons per const. Period - Grading/Excavation	0.02	0.13	1.09	0.03	0.02	0.00	466.55	0.00	0.07	488.44
Pounds per day - Drainage/Utilities/Sub-Grade	0.05	0.48	4.08	0.13	0.06	0.02	1,907.86	0.00	0.30	1,997.28
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.01	0.08	0.65	0.02	0.01	0.00	302.21	0.00	0.05	316.37
Pounds per day - Paving	0.05	0.48	4.06	0.13	0.06	0.02	1,891.47	0.00	0.30	1,980.13
Tons per const. Period - Paving	0.00	0.04	0.32	0.01	0.00	0.00	149.80	0.00	0.02	156.83
Total tons per construction project	0.05	0.29	2.34	0.07	0.03	0.01	1,025.05	0.00	0.16	1,073.12

Note: Worker commute default values can be overridden in cells D121 through D126.

Worker Commute Emissions User Input	User Override of Worker Commute Default Values	Default Values		
Miles/ one-way trip		20		
One-way trips/day		2	Calculated Daily Trips	Calculated Daily VMT
No. of employees: Grubbing/Land Clearing		34	68	1,360.00
No. of employees: Grading/Excavation		49	98	1,960.00
No. of employees: Drainage/Utilities/Sub-Grade		43	86	1,720.00
No. of employees: Paving		39	78	1,560.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.02	1.00	0.08	0.05	0.02	0.00	328.72	0.00	0.01	330.96
Grading/Excavation (grams/mile)	0.02	0.93	0.08	0.05	0.02	0.00	320.10	0.00	0.01	322.17
Draining/Utilities/Sub-Grade (grams/mile)	0.01	0.82	0.06	0.05	0.02	0.00	303.08	0.00	0.01	304.87
Paving (grams/mile)	0.01	0.78	0.06	0.05	0.02	0.00	295.84	0.00	0.01	297.52
Grubbing/Land Clearing (grams/trip)	1.11	2.85	0.32	0.00	0.00	0.00	70.54	0.08	0.03	82.43
Grading/Excavation (grams/trip)	1.06	2.77	0.30	0.00	0.00	0.00	68.76	0.07	0.03	80.15
Draining/Utilities/Sub-Grade (grams/trip)	0.96	2.63	0.26	0.00	0.00	0.00	65.24	0.06	0.03	75.66
Paving (grams/trip)	0.93	2.56	0.25	0.00	0.00	0.00	63.73	0.06	0.03	73.77
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.22	3.43	0.30	0.14	0.06	0.01	996.17	0.02	0.03	1,004.67
Tons per const. Period - Grubbing/Land Clearing	0.01	0.18	0.02	0.01	0.00	0.00	52.60	0.00	0.00	53.05
Pounds per day - Grading/Excavation	0.30	4.63	0.39	0.20	0.08	0.01	1,398.01	0.03	0.04	1,409.43
Tons per const. Period - Grading/Excavation	0.07	1.10	0.09	0.05	0.02	0.00	332.17	0.01	0.01	334.88
Pounds per day - Drainage/Utilities/Sub-Grade	0.23	3.60	0.28	0.18	0.07	0.01	1,161.63	0.02	0.03	1,170.39
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.04	0.57	0.04	0.03	0.01	0.00	184.00	0.00	0.00	185.39
Pounds per day - Paving	0.20	3.11	0.23	0.16	0.07	0.01	1,028.40	0.02	0.02	1,035.93
Tons per const. Period - Paving	0.02	0.25	0.02	0.01	0.01	0.00	81.45	0.00	0.00	82.05
Total tons per construction project	0.13	2.10	0.17	0.10	0.04	0.01	650.22	0.01	0.02	655.36

Note: Water Truck default values can be overridden in cells D153 through D156, I153 through I156, and F153 through F156.

Water Truck Emissions User Input	User Override of Default # Water Trucks	Program Estimate of Number of Water Trucks	User Override of Truck Round Trips/Vehicle/Day	Default Values Round Trips/Vehicle/Day	Calculated Trips/day	User Override of Miles/Round Trip	Default Values Miles/Round Trip	Calculated Daily VMT
Grubbing/Land Clearing - Exhaust		1		5	5		8.00	40.00
Grading/Excavation - Exhaust		1		5	5		8.00	40.00
Drainage/Utilities/Subgrade		1		5	5		8.00	40.00
Paving		1		5	5		8.00	40.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.18	0.66	4.71	0.14	0.08	0.02	1,793.76	0.01	0.28	1,877.99
Grading/Excavation (grams/mile)	0.09	0.51	3.92	0.12	0.06	0.02	1,746.43	0.00	0.27	1,828.34
Draining/Utilities/Sub-Grade (grams/mile)	0.04	0.43	3.48	0.12	0.05	0.02	1,696.84	0.00	0.27	1,776.37
Paving (grams/mile)	0.04	0.43	3.46	0.12	0.05	0.02	1,682.27	0.00	0.26	1,761.12
Grubbing/Land Clearing (grams/trip)	0.00	0.00	3.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/trip)	0.00	0.00	4.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Draining/Utilities/Sub-Grade (grams/trip)	0.00	0.00	4.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	4.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.02	0.06	0.46	0.01	0.01	0.00	158.18	0.00	0.02	165.61
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.02	0.00	0.00	0.00	8.35	0.00	0.00	8.74
Pounds per day - Grading/Excavation	0.01	0.04	0.39	0.01	0.01	0.00	154.01	0.00	0.02	161.23
Tons per const. Period - Grading/Excavation	0.00	0.01	0.09	0.00	0.00	0.00	36.59	0.00	0.01	38.31
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.04	0.36	0.01	0.00	0.00	149.64	0.00	0.02	156.65
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.01	0.06	0.00	0.00	0.00	23.70	0.00	0.00	24.81
Pounds per day - Paving	0.00	0.04	0.35	0.01	0.00	0.00	148.35	0.00	0.02	155.30
Tons per const. Period - Paving	0.00	0.00	0.03	0.00	0.00	0.00	11.75	0.00	0.00	12.30
Total tons per construction project	0.00	0.02	0.20	0.01	0.00	0.00	80.40	0.00	0.01	84.17

Note: Fugitive dust default values can be overridden in cells D183 through D185.

Fugitive Dust	User Override of Max Acreage Disturbed/Day	Default Maximum Acreage/Day	PM10 pounds/day	PM10 tons/per period	PM2.5 pounds/day	PM2.5 tons/per period
Fugitive Dust - Grubbing/Land Clearing		0.50	5.00	0.26	1.04	0.05
Fugitive Dust - Grading/Excavation		0.50	5.00	1.19	1.04	0.25
Fugitive Dust - Drainage/Utilities/Subgrade		0.50	5.00	0.79	1.04	0.16

Off-Road Equipment Emissions

Grubbing/Land Clearing	Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1		Model Default Tier	Crawler Tractors	0.49	2.31	6.01	0.23	0.21	0.01	759.03	0.25	0.01	767.22
			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2		Model Default Tier	Excavators	0.40	6.51	3.55	0.17	0.16	0.01	1,000.03	0.32	0.01	1,010.81
			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other General Industrial Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Material Handling Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	24		Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Grubbing/Land Clearing	pounds per day	0.90	8.83	9.56	0.40	0.37	0.02	1,759.06	0.57	0.02	1,778.03
	Grubbing/Land Clearing	tons per phase	0.05	0.47	0.50	0.02	0.02	0.00	92.88	0.03	0.00	93.88

Grading/Excavation	Default Number of Vehicles	Mitigation Option: Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Default Equipment Tier	Type	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*				pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0		Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1		Model Default Tier	Crawler Tractors	0.46	2.26	5.38	0.21	0.19	0.01	758.57	0.25	0.01	766.75
			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3		Model Default Tier	Excavators	0.58	9.77	4.82	0.24	0.22	0.02	1,500.28	0.49	0.01	1,516.46
			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2		Model Default Tier	Graders	0.78	3.40	9.60	0.31	0.28	0.01	1,281.91	0.41	0.01	1,295.73
			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other General Industrial Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Material Handling Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2		Model Default Tier	Rollers	0.31	3.71	3.28	0.18	0.17	0.01	508.22	0.16	0.00	513.70
			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1		Model Default Tier	Rubber Tired Loaders	0.28	1.52	2.74	0.09	0.08	0.01	605.59	0.20	0.01	612.13
	2		Model Default Tier	Scrapers	1.59	12.39	16.87	0.66	0.61	0.03	2,940.14	0.95	0.03	2,971.82
0.00	24		Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4		Model Default Tier	Tractors/Loaders/Backhoes	0.62	8.94	6.29	0.32	0.29	0.01	1,205.94	0.39	0.01	1,218.92
			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Grading/Excavation	pounds per day	4.61	41.99	48.97	2.00	1.84	0.09	8,800.66	2.85	0.08	8,895.50
	Grading/Excavation	tons per phase	1.10	9.98	11.64	0.48	0.44	0.02	2,091.04	0.68	0.02	2,113.57

Drainage/Utilities/Subgrade	Default Number of Vehicles	Mitigation Option: Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Default Equipment Tier		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*				pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1		Model Default Tier	Air Compressors	0.24	2.41	1.59	0.08	0.08	0.00	375.26	0.02	0.00	376.63
			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1		Model Default Tier	Generator Sets	0.28	3.66	2.49	0.11	0.11	0.01	623.04	0.02	0.00	625.04
	1		Model Default Tier	Graders	0.34	1.64	3.92	0.13	0.12	0.01	640.42	0.21	0.01	647.32
			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other General Industrial Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Material Handling Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1		Model Default Tier	Plate Compactors	0.04	0.21	0.25	0.01	0.01	0.00	34.48	0.00	0.00	34.65
			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1		Model Default Tier	Pumps	0.30	3.72	2.53	0.11	0.11	0.01	623.04	0.03	0.00	625.10
			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1		Model Default Tier	Rough Terrain Forklifts	0.10	2.29	1.33	0.04	0.04	0.00	333.73	0.11	0.00	337.33
			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1		Model Default Tier	Scrapers	0.73	5.77	7.25	0.29	0.26	0.02	1,468.78	0.47	0.01	1,484.61
0.00	24		Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3		Model Default Tier	Tractors/Loaders/Backhoes	0.42	6.70	4.23	0.19	0.17	0.01	905.59	0.29	0.01	915.33
			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Drainage/Utilities/Sub-Grade		pounds per day	2.45	26.40	23.60	0.94	0.89	0.05	5,004.34	1.16	0.04	5,046.01
Drainage/Utilities/Sub-Grade		tons per phase	0.39	4.18	3.74	0.15	0.14	0.01	792.69	0.18	0.01	799.29

Paving	Default Number of Vehicles	Override of Default Number of Vehicles	Mitigation Option: Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Default Equipment Tier	Type	ROG pounds/day	CO pounds/day	NOx pounds/day	PM10 pounds/day	PM2.5 pounds/day	SOx pounds/day	CO2 pounds/day	CH4 pounds/day	N2O pounds/day	CO2e pounds/day
	Program-estimate			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Other General Industrial Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Other Material Handling Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1			Model Default Tier	Pavers	0.17	2.90	1.58	0.07	0.07	0.00	454.99	0.15	0.00	459.90
	1			Model Default Tier	Paving Equipment	0.15	2.55	1.26	0.06	0.06	0.00	394.32	0.13	0.00	398.57
				Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2			Model Default Tier	Rollers	0.27	3.69	2.89	0.15	0.13	0.01	508.12	0.16	0.00	513.60
				Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	24			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3			Model Default Tier	Tractors/Loaders/Backhoes	0.40	6.69	4.01	0.16	0.15	0.01	906.17	0.29	0.01	915.91
				Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Paving	pounds per day	0.99	15.82	9.74	0.44	0.41	0.02	2,263.60	0.73	0.02	2,287.98
Paving	tons per phase	0.08	1.25	0.77	0.04	0.03	0.00	179.28	0.06	0.00	181.21
Total Emissions all Phases (tons per construction period) =>		1.61	15.88	16.65	0.68	0.63	0.03	3,155.88	0.95	0.03	3,187.95

Equipment default values for horsepower and hours/day can be overridden in cells D403 through D436 and F403 through F436.

Equipment	User Override of Horsepower	Default Values Horsepower	User Override of Hours/day	Default Values Hours/day
Aerial Lifts		63		8
Air Compressors		78		8
Bore/Drill Rigs		221		8
Cement and Mortar Mixers		9		8
Concrete/Industrial Saws		81		8
Cranes		231		8
Crawler Tractors		212		8
Crushing/Proc. Equipment		85		8
Excavators		158		8
Forklifts		89		8
Generator Sets		84		8
Graders		187		8
Off-Highway Tractors		124		8
Off-Highway Trucks		402		8
Other Construction Equipment		172		8
Other General Industrial Equipment		88		8
Other Material Handling Equipment		168		8
Pavers		130		8
Paving Equipment		132		8
Plate Compactors		8		8
Pressure Washers		13		8
Pumps		84		8
Rollers		80		8
Rough Terrain Forklifts		100		8
Rubber Tired Dozers		247		8
Rubber Tired Loaders		203		8
Scrapers		367		8
Signal Boards		6		8
Skid Steer Loaders		65		8
Surfacing Equipment		263		8
Sweepers/Scrubbers		64		8
Tractors/Loaders/Backhoes		97		8
Trenchers		78		8
Welders		46		8

END OF DATA ENTRY SHEET

Road Construction Emissions Model, Version 9.0.0

Daily Emission Estimates for -> Valley Link: I-580 Road Widening				Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Pounds)	**ROG (lbs/day)**	**CO (lbs/day)**	**NOx (lbs/day)**	**PM10 (lbs/day)**	**PM10 (lbs/day)**	**PM10 (lbs/day)**	**PM2.5 (lbs/day)**	**PM2.5 (lbs/day)**	**PM2.5 (lbs/day)**	**SOx (lbs/day)**	**CO2 (lbs/day)**	**CH4 (lbs/day)**	**N2O (lbs/day)**	**CO2e (lbs/day)**
Grubbing/Land Clearing	1.53	13.80	21.21	5.87	0.87	5.00	1.65	0.61	1.04	0.07	6,947.09	0.61	0.70	7,171.38
Grading/Excavation	5.12	47.80	58.90	7.50	2.50	5.00	3.11	2.07	1.04	0.14	14,279.90	2.89	0.76	14,577.58
Drainage/Utilities/Sub-Grade	2.77	31.00	32.40	6.39	1.39	5.00	2.13	1.09	1.04	0.10	10,131.32	1.19	0.69	10,367.62
Paving	1.29	19.93	18.44	0.87	0.87	0.00	0.60	0.60	0.00	0.07	7,223.31	0.76	0.66	7,439.47
Maximum (pounds/day)	5.12	47.80	58.90	7.50	2.50	5.00	3.11	2.07	1.04	0.14	14,279.90	2.89	0.76	14,577.58
Total (tons/construction project)	1.84	18.57	21.71	3.17	0.93	2.24	1.21	0.74	0.47	0.06	5,936.60	0.97	0.38	6,073.72

Notes:

Project Start Year ->	2022
Project Length (months) ->	48
Total Project Area (acres) ->	43
Maximum Area Disturbed/Day (acres) ->	1
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	326	326	510	510	1,360	40
Grading/Excavation	326	326	510	510	1,960	40
Drainage/Utilities/Sub-Grade	326	326	510	510	1,720	40
Paving	326	326	510	510	1,560	40

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> Valley Link: I-580 Road Widening				Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	**ROG (tons/phase)**	**CO (tons/phase)**	**NOx (tons/phase)**	**PM10 (tons/phase)**	**PM10 (tons/phase)**	**PM10 (tons/phase)**	**PM2.5 (tons/phase)**	**PM2.5 (tons/phase)**	**PM2.5 (tons/phase)**	**SOx (tons/phase)**	**CO2 (tons/phase)**	**CH4 (tons/phase)**	**N2O (tons/phase)**	**CO2e (MT/phase)**
Grubbing/Land Clearing	0.08	0.73	1.12	0.31	0.05	0.26	0.09	0.03	0.05	0.00	366.81	0.03	0.04	343.51
Grading/Excavation	1.22	11.36	13.99	1.78	0.59	1.19	0.74	0.49	0.25	0.03	3,392.91	0.69	0.18	3,142.19
Drainage/Utilities/Sub-Grade	0.44	4.91	5.13	1.01	0.22	0.79	0.34	0.17	0.16	0.02	1,604.80	0.19	0.11	1,489.82
Paving	0.10	1.58	1.46	0.07	0.07	0.00	0.05	0.05	0.00	0.01	572.09	0.06	0.05	534.52
Maximum (tons/phase)	1.22	11.36	13.99	1.78	0.59	1.19	0.74	0.49	0.25	0.03	3392.91	0.69	0.18	3,142.19
Total (tons/construction project)	1.84	18.57	21.71	3.17	0.93	2.24	1.21	0.74	0.47	0.06	5936.60	0.97	0.38	5,510.04

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model **Version 9.0.0**

Data Entry Worksheet

Note: Required data input sections have a yellow background.
Optional data input sections have a blue background. Only areas with a yellow or blue background can be modified. Program defaults have a white background.
The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project types.
Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new project.

To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.

SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT

Input Type

Project Name	Valley Link: I-580 Bridge Work	
Construction Start Year	2022	Enter a Year between 2014 and 2040 (inclusive)
Project Type	3	1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway 2) Road Widening : Project to add a new lane to an existing roadway 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee construction
Project Construction Time	48.00	months
Working Days per Month	22.00	days (assume 22 if unknown)
Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)	2	1) Sand Gravel : Use for quaternary deposits (Delta/West County) 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the Ione formation (Scott Road, Rancho Murieta) 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta)
Project Length	12.00	miles
Total Project Area	4.00	acres
Maximum Area Disturbed/Day	0.50	acres
Water Trucks Used?	1	1. Yes 2. No

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County.

http://www.conservation.ca.gov/cgs/information/geologic_mapping/Pages/googlemaps.aspx#regionalseries

Material Hauling Quantity Input

Material Type	Phase	Haul Truck Capacity (yd^3) (assume 20 if unknown)	Import Volume (yd^3/day)	Export Volume (yd^3/day)
Soil	Grubbing/Land Clearing	20.00	0.00	0.00
	Grading/Excavation	20.00	0.00	0.00
	Drainage/Utilities/Sub-Grade	20.00	0.00	0.00
	Paving	20.00	0.00	0.00
Asphalt	Grubbing/Land Clearing	20.00	0.00	0.00
	Grading/Excavation	20.00	0.00	0.00
	Drainage/Utilities/Sub-Grade	20.00	0.00	0.00
	Paving	20.00	0.00	0.00

Mitigation Options

On-road Fleet Emissions Mitigation	2010 and Newer On-road Vehicles Fleet	Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer Select "20% NOx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAQMD Construction Mitigation Calculator can be used to confirm compliance with this mitigation measure (http://www.airquality.org/Businesses/CEQA-Land-Use-Planning/Mitigation). Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standard
Off-road Equipment Emissions Mitigation	Tier 4 Equipment	
Will all off-road equipment be tier 4?	All Tier 4 Equipment	

The remaining sections of this sheet contain areas that can be modified by the user, although those modifications are optional.

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F53.

Construction Periods	User Override of Construction Months	Program Calculated Months	User Override of Phase Starting Date	Program Default Phase Starting Date
Grubbing/Land Clearing		4.80		1/1/2022
Grading/Excavation		21.60		5/27/2022
Drainage/Utilities/Sub-Grade		14.40		3/14/2024
Paving		7.20		5/26/2025
Totals (Months)		48		

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F64.

Soil Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing		30.00		0	0.00
Miles/round trip: Grading/Excavation		30.00		0	0.00
Miles/round trip: Drainage/Utilities/Sub-Grade		30.00		0	0.00
Miles/round trip: Paving		30.00		0	0.00

2010+ Model Year Mitigation Option Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.04	0.42	3.08	0.11	0.05	0.02	1,748.57	0.00	0.27	1,830.52
Grading/Excavation (grams/mile)	0.03	0.41	3.02	0.11	0.05	0.02	1,723.72	0.00	0.27	1,804.50
Draining/Utilities/Sub-Grade (grams/mile)	0.03	0.41	3.04	0.11	0.05	0.02	1,686.66	0.00	0.27	1,765.70
Paving (grams/mile)	0.03	0.41	3.06	0.11	0.05	0.02	1,672.88	0.00	0.26	1,751.28
Grubbing/Land Clearing (grams/trip)	0.00	0.00	3.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/trip)	0.00	0.00	4.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Draining/Utilities/Sub-Grade (grams/trip)	0.00	0.00	4.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	4.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Asphalt Hauling emission default values can be overridden in cells D91 through D94, and F91 through F94.

Asphalt Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing		30.00		0	0.00
Miles/round trip: Grading/Excavation		30.00		0	0.00
Miles/round trip: Drainage/Utilities/Sub-Grade		30.00		0	0.00
Miles/round trip: Paving		30.00		0	0.00

2010+ Model Year Mitigation Option Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.04	0.42	3.08	0.11	0.05	0.02	1,748.57	0.00	0.27	1,830.52
Grading/Excavation (grams/mile)	0.03	0.41	3.02	0.11	0.05	0.02	1,723.72	0.00	0.27	1,804.50
Draining/Utilities/Sub-Grade (grams/mile)	0.03	0.41	3.04	0.11	0.05	0.02	1,686.66	0.00	0.27	1,765.70
Paving (grams/mile)	0.03	0.41	3.06	0.11	0.05	0.02	1,672.88	0.00	0.26	1,751.28
Grubbing/Land Clearing (grams/trip)	0.00	0.00	3.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/trip)	0.00	0.00	4.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Draining/Utilities/Sub-Grade (grams/trip)	0.00	0.00	4.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	4.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Worker commute default values can be overridden in cells D121 through D126.

Worker Commute Emissions	User Override of Worker Commute Default Values	Default Values		
User Input				
Miles/ one-way trip		20		
One-way trips/day		2	Calculated Daily Trips	Calculated Daily VMT
No. of employees: Grubbing/Land Clearing		34	68	1,360.00
No. of employees: Grading/Excavation		57	114	2,280.00
No. of employees: Drainage/Utilities/Sub-Grade		47	94	1,880.00
No. of employees: Paving		37	74	1,480.00

Emission Rates	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Grubbing/Land Clearing (grams/mile)	0.02	1.00	0.08	0.05	0.02	0.00	328.72	0.00	0.01	330.96
Grading/Excavation (grams/mile)	0.02	0.93	0.08	0.05	0.02	0.00	320.10	0.00	0.01	322.17
Draining/Utilities/Sub-Grade (grams/mile)	0.01	0.82	0.06	0.05	0.02	0.00	303.08	0.00	0.01	304.87
Paving (grams/mile)	0.01	0.78	0.06	0.05	0.02	0.00	295.84	0.00	0.01	297.52
Grubbing/Land Clearing (grams/trip)	1.11	2.85	0.32	0.00	0.00	0.00	70.54	0.08	0.03	82.43
Grading/Excavation (grams/trip)	1.06	2.77	0.30	0.00	0.00	0.00	68.76	0.07	0.03	80.15
Draining/Utilities/Sub-Grade (grams/trip)	0.96	2.63	0.26	0.00	0.00	0.00	65.24	0.06	0.03	75.66
Paving (grams/trip)	0.93	2.56	0.25	0.00	0.00	0.00	63.73	0.06	0.03	73.77
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.22	3.43	0.30	0.14	0.06	0.01	996.17	0.02	0.03	1,004.67
Tons per const. Period - Grubbing/Land Clearing	0.01	0.18	0.02	0.01	0.00	0.00	52.60	0.00	0.00	53.05
Pounds per day - Grading/Excavation	0.35	5.39	0.45	0.23	0.10	0.02	1,626.25	0.04	0.04	1,639.54
Tons per const. Period - Grading/Excavation	0.08	1.28	0.11	0.06	0.02	0.00	386.40	0.01	0.01	389.55
Pounds per day - Drainage/Utilities/Sub-Grade	0.25	3.93	0.31	0.19	0.08	0.01	1,269.69	0.03	0.03	1,279.26
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.04	0.62	0.05	0.03	0.01	0.00	201.12	0.00	0.00	202.64
Pounds per day - Paving	0.19	2.95	0.22	0.15	0.06	0.01	975.66	0.02	0.02	982.80
Tons per const. Period - Paving	0.01	0.23	0.02	0.01	0.00	0.00	77.27	0.00	0.00	77.84
Total tons per construction project	0.15	2.32	0.19	0.11	0.04	0.01	717.39	0.02	0.02	723.07

Note: Water Truck default values can be overridden in cells D153 through D156, I153 through I156, and F153 through F156.

Water Truck Emissions	User Override of Default # Water Trucks	Program Estimate of Number of Water Trucks	User Override of Truck Round Trips/Vehicle/Day	Default Values Round Trips/Vehicle/Day	Calculated Trips/day	User Override of Miles/Round Trip	Default Values Miles/Round Trip	Calculated Daily VMT
User Input								
Grubbing/Land Clearing - Exhaust		1		5	5		8.00	40.00
Grading/Excavation - Exhaust		1		5	5		8.00	40.00
Drainage/Utilities/Subgrade		1		5	5		8.00	40.00
Paving		1		5	5		8.00	40.00

2010+ Model Year Mitigation Option Emission Rates	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Grubbing/Land Clearing (grams/mile)	0.04	0.42	3.08	0.11	0.05	0.02	1,748.57	0.00	0.27	1,830.52
Grading/Excavation (grams/mile)	0.03	0.41	3.02	0.11	0.05	0.02	1,723.72	0.00	0.27	1,804.50
Draining/Utilities/Sub-Grade (grams/mile)	0.03	0.41	3.04	0.11	0.05	0.02	1,686.66	0.00	0.27	1,765.70
Paving (grams/mile)	0.03	0.41	3.06	0.11	0.05	0.02	1,672.88	0.00	0.26	1,751.28
Grubbing/Land Clearing (grams/trip)	0.00	0.00	3.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/trip)	0.00	0.00	4.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Draining/Utilities/Sub-Grade (grams/trip)	0.00	0.00	4.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	4.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.04	0.32	0.01	0.00	0.00	154.20	0.00	0.02	161.42
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.02	0.00	0.00	0.00	8.14	0.00	0.00	8.52
Pounds per day - Grading/Excavation	0.00	0.04	0.31	0.01	0.00	0.00	152.01	0.00	0.02	159.13
Tons per const. Period - Grading/Excavation	0.00	0.01	0.07	0.00	0.00	0.00	36.12	0.00	0.01	37.81
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.04	0.32	0.01	0.00	0.00	148.74	0.00	0.02	155.71
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.01	0.05	0.00	0.00	0.00	23.56	0.00	0.00	24.66
Pounds per day - Paving	0.00	0.04	0.32	0.01	0.00	0.00	147.52	0.00	0.02	154.44
Tons per const. Period - Paving	0.00	0.00	0.03	0.00	0.00	0.00	11.68	0.00	0.00	12.23
Total tons per construction project	0.00	0.02	0.17	0.01	0.00	0.00	79.50	0.00	0.01	83.23

Note: Fugitive dust default values can be overridden in cells D183 through D185.

Fugitive Dust	User Override of Max Acreage Disturbed/Day	Default Maximum Acreage/Day	PM10 pounds/day	PM10 tons/per period	PM2.5 pounds/day	PM2.5 tons/per period
Fugitive Dust - Grubbing/Land Clearing		0.50	5.00	0.26	1.04	0.05
Fugitive Dust - Grading/Excavation		0.50	5.00	1.19	1.04	0.25
Fugitive Dust - Drainage/Utilities/Subgrade		0.50	5.00	0.79	1.04	0.16

Off-Road Equipment Emissions

Grubbing/Land Clearing	Default Number of Vehicles	Mitigation Option Override of	Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*	Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
			Tier 4	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1		Tier 4	Crawler Tractors	0.24	4.18	0.48	0.02	0.02	0.01	759.03	0.25	0.01	767.22
			Tier 4	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2		Tier 4	Excavators	0.32	7.84	0.64	0.03	0.03	0.01	1,000.03	0.32	0.01	1,010.81
			Tier 4	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Other General Industrial Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Other Material Handling Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	24		Tier 4	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Grubbing/Land Clearing	pounds per day	0.56	12.02	1.12	0.06	0.05	0.02	1,759.06	0.57	0.02	1,778.03
	Grubbing/Land Clearing	tons per phase	0.03	0.63	0.06	0.00	0.00	0.00	92.88	0.03	0.00	93.88

Grading/Excavation	Default Number of Vehicles	Mitigation Option: Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Default Equipment Tier	Type	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
			Tier 4	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1		Tier 4	Cranes	0.18	3.07	0.35	0.02	0.02	0.01	558.82	0.18	0.01	564.85
	2		Tier 4	Crawler Tractors	0.48	8.36	0.96	0.05	0.04	0.02	1,517.13	0.49	0.01	1,533.50
			Tier 4	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4		Tier 4	Excavators	0.63	15.67	1.27	0.06	0.06	0.02	2,000.38	0.65	0.02	2,021.94
			Tier 4	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2		Tier 4	Graders	0.41	7.03	0.81	0.04	0.04	0.01	1,281.91	0.41	0.01	1,295.73
			Tier 4	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Other General Industrial Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Other Material Handling Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3		Tier 4	Rollers	0.24	5.95	0.48	0.02	0.02	0.01	762.33	0.25	0.01	770.55
			Tier 4	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3		Tier 4	Rubber Tired Loaders	0.58	10.05	1.16	0.06	0.05	0.02	1,816.77	0.59	0.02	1,836.39
	4		Tier 4	Scrapers	1.86	32.31	3.73	0.19	0.17	0.06	5,880.27	1.90	0.05	5,943.65
0.00	24		Tier 4	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2		Tier 4	Tractors/Loaders/Backhoes	0.19	4.68	0.38	0.02	0.02	0.01	602.97	0.20	0.01	609.46
			Tier 4	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grading/Excavation		pounds per day	4.57	87.14	9.15	0.46	0.42	0.15	14,420.60	4.66	0.13	14,576.05
Grading/Excavation		tons per phase	1.09	20.70	2.17	0.11	0.10	0.04	3,426.33	1.11	0.03	3,463.27

Drainage/Utilities/Subgrade	Default Number of Vehicles	Mitigation Option: Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Default Equipment Tier		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*				pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
			Tier 4	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1		Tier 4	Air Compressors	0.10	2.44	0.20	0.01	0.01	0.00	375.26	0.02	0.00	376.63
			Tier 4	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1		Tier 4	Generator Sets	0.16	4.06	0.33	0.02	0.02	0.01	623.04	0.02	0.00	625.04
	2		Tier 4	Graders	0.41	7.03	0.81	0.04	0.04	0.01	1,280.84	0.41	0.01	1,294.64
			Tier 4	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Other General Industrial Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Other Material Handling Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1		Tier 4	Plate Compactors	0.02	0.36	0.32	0.02	0.02	0.00	34.48	0.00	0.00	34.65
			Tier 4	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1		Tier 4	Pumps	0.16	4.06	0.33	0.02	0.02	0.01	623.04	0.03	0.00	625.10
			Tier 4	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1		Tier 4	Rough Terrain Forklifts	0.11	2.61	0.21	0.01	0.01	0.00	333.73	0.11	0.00	337.33
			Tier 4	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4		Tier 4	Scrapers	1.86	32.31	3.73	0.19	0.17	0.06	5,875.13	1.90	0.05	5,938.45
0.00	24		Tier 4	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2		Tier 4	Tractors/Loaders/Backhoes	0.19	4.68	0.38	0.02	0.02	0.01	603.73	0.20	0.01	610.22
			Tier 4	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Drainage/Utilities/Sub-Grade	pounds per day	3.01	57.56	6.31	0.32	0.29	0.10	9,749.24	2.69	0.09	9,842.06
Drainage/Utilities/Sub-Grade	tons per phase	0.48	9.12	1.00	0.05	0.05	0.02	1,544.28	0.43	0.01	1,558.98

Paving	Default Number of Vehicles	Override of Default Number of Vehicles	Mitigation Option: Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Equipment Tier	Type	ROG pounds/day	CO pounds/day	NOx pounds/day	PM10 pounds/day	PM2.5 pounds/day	SOx pounds/day	CO2 pounds/day	CH4 pounds/day	N2O pounds/day	CO2e pounds/day
	Program-estimate														
				Tier 4	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Tier 4	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Tier 4	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Tier 4	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Tier 4	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Tier 4	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Tier 4	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Tier 4	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Tier 4	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Tier 4	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Tier 4	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Tier 4	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Tier 4	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Tier 4	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Tier 4	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Tier 4	Other General Industrial Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Tier 4	Other Material Handling Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1			Tier 4	Pavers	0.14	3.56	0.29	0.01	0.01	0.00	454.99	0.15	0.00	459.90
	1			Tier 4	Paving Equipment	0.13	3.10	0.25	0.01	0.01	0.00	394.32	0.13	0.00	398.57
				Tier 4	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Tier 4	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Tier 4	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1			Tier 4	Rollers	0.08	1.98	0.16	0.01	0.01	0.00	254.06	0.08	0.00	256.80
				Tier 4	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Tier 4	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Tier 4	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Tier 4	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	24			Tier 4	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Tier 4	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Tier 4	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Tier 4	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2			Tier 4	Tractors/Loaders/Backhoes	0.19	4.68	0.38	0.02	0.02	0.01	604.11	0.20	0.01	610.61
				Tier 4	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Tier 4	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Paving	pounds per day	0.54	13.33	1.08	0.05	0.05	0.02	1,707.49	0.55	0.02	1,725.88
Paving	tons per phase	0.04	1.06	0.09	0.00	0.00	0.00	135.23	0.04	0.00	136.69
Total Emissions all Phases (tons per construction period) =>		1.63	31.51	3.32	0.17	0.15	0.05	5,198.72	1.61	0.05	5,252.82

Equipment default values for horsepower and hours/day can be overridden in cells D403 through D436 and F403 through F436.

Equipment	User Override of Horsepower	Default Values Horsepower	User Override of Hours/day	Default Values Hours/day
Aerial Lifts		63		8
Air Compressors		78		8
Bore/Drill Rigs		221		8
Cement and Mortar Mixers		9		8
Concrete/Industrial Saws		81		8
Cranes		231		8
Crawler Tractors		212		8
Crushing/Proc. Equipment		85		8
Excavators		158		8
Forklifts		89		8
Generator Sets		84		8
Graders		187		8
Off-Highway Tractors		124		8
Off-Highway Trucks		402		8
Other Construction Equipment		172		8
Other General Industrial Equipment		88		8
Other Material Handling Equipment		168		8
Pavers		130		8
Paving Equipment		132		8
Plate Compactors		8		8
Pressure Washers		13		8
Pumps		84		8
Rollers		80		8
Rough Terrain Forklifts		100		8
Rubber Tired Dozers		247		8
Rubber Tired Loaders		203		8
Scrapers		367		8
Signal Boards		6		8
Skid Steer Loaders		65		8
Surfacing Equipment		263		8
Sweepers/Scrubbers		64		8
Tractors/Loaders/Backhoes		97		8
Trenchers		78		8
Welders		46		8

END OF DATA ENTRY SHEET

Road Construction Emissions Model, Version 9.0.0

Daily Emission Estimates for -> Valley Link: I-580 Bridge Work				Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Pounds)	**ROG (lbs/day)**	**CO (lbs/day)**	**NOx (lbs/day)**	**PM10 (lbs/day)**	**PM10 (lbs/day)**	**PM10 (lbs/day)**	**PM2.5 (lbs/day)**	**PM2.5 (lbs/day)**	**PM2.5 (lbs/day)**	**SOx (lbs/day)**	**CO2 (lbs/day)**	**CH4 (lbs/day)**	**N2O (lbs/day)**	**CO2e (lbs/day)**
Grubbing/Land Clearing	0.78	15.48	1.73	5.21	0.21	5.00	1.15	0.11	1.04	0.03	2,909.44	0.59	0.07	2,944.12
Grading/Excavation	4.92	92.56	9.92	5.70	0.70	5.00	1.56	0.52	1.04	0.17	16,198.86	4.70	0.20	16,374.72
Drainage/Utilities/Sub-Grade	3.26	61.53	6.93	5.52	0.52	5.00	1.42	0.38	1.04	0.12	11,167.66	2.72	0.14	11,277.03
Paving	0.73	16.32	1.62	0.21	0.21	0.00	0.12	0.12	0.00	0.03	2,830.67	0.57	0.06	2,863.12
Maximum (pounds/day)	4.92	92.56	9.92	5.70	0.70	5.00	1.56	0.52	1.04	0.17	16,198.86	4.70	0.20	16,374.72
Total (tons/construction project)	1.78	33.85	3.67	2.52	0.28	2.24	0.67	0.20	0.47	0.06	5,995.61	1.62	0.08	6,059.12

Notes:

Project Start Year ->	2022
Project Length (months) ->	48
Total Project Area (acres) ->	4
Maximum Area Disturbed/Day (acres) ->	1
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	0	0	0	0	1,360	40
Grading/Excavation	0	0	0	0	2,280	40
Drainage/Utilities/Sub-Grade	0	0	0	0	1,880	40
Paving	0	0	0	0	1,480	40

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> Valley Link: I-580 Bridge Work				Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	**ROG (tons/phase)**	**CO (tons/phase)**	**NOx (tons/phase)**	**PM10 (tons/phase)**	**PM10 (tons/phase)**	**PM10 (tons/phase)**	**PM2.5 (tons/phase)**	**PM2.5 (tons/phase)**	**PM2.5 (tons/phase)**	**SOx (tons/phase)**	**CO2 (tons/phase)**	**CH4 (tons/phase)**	**N2O (tons/phase)**	**CO2e (MT/phase)**
Grubbing/Land Clearing	0.04	0.82	0.09	0.27	0.01	0.26	0.06	0.01	0.05	0.00	153.62	0.03	0.00	141.02
Grading/Excavation	1.17	21.99	2.36	1.35	0.17	1.19	0.37	0.12	0.25	0.04	3,848.85	1.12	0.05	3,529.56
Drainage/Utilities/Sub-Grade	0.52	9.75	1.10	0.87	0.08	0.79	0.22	0.06	0.16	0.02	1,768.96	0.43	0.02	1,620.50
Paving	0.06	1.29	0.13	0.02	0.02	0.00	0.01	0.01	0.00	0.00	224.19	0.05	0.00	205.71
Maximum (tons/phase)	1.17	21.99	2.36	1.35	0.17	1.19	0.37	0.12	0.25	0.04	3848.85	1.12	0.05	3,529.56
Total (tons/construction project)	1.78	33.85	3.67	2.52	0.28	2.24	0.67	0.20	0.47	0.06	5995.61	1.62	0.08	5,496.80

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model **Version 9.0.0**

Data Entry Worksheet

Note: Required data input sections have a yellow background.
Optional data input sections have a blue background. Only areas with a yellow or blue background can be modified. Program defaults have a white background.
The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project types.
Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new project.

To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.

SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT

Input Type

Project Name	Valley Link: I-580 Road Widening	
Construction Start Year	2022	Enter a Year between 2014 and 2040 (inclusive)
Project Type	2	1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway 2) Road Widening : Project to add a new lane to an existing roadway 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee construction
Project Construction Time	48.00	months
Working Days per Month	22.00	days (assume 22 if unknown)
Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)	2	1) Sand Gravel : Use for quaternary deposits (Delta/West County) 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the Ione formation (Scott Road, Rancho Murieta) 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta)
Project Length	12.00	miles
Total Project Area	43.00	acres
Maximum Area Disturbed/Day	0.50	acres
Water Trucks Used?	1	1. Yes 2. No

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County.

http://www.conservation.ca.gov/cgs/information/geologic_mapping/Pages/googlemaps.aspx#regionalseries

Material Hauling Quantity Input

Material Type	Phase	Haul Truck Capacity (yd^3) (assume 20 if unknown)	Import Volume (yd^3/day)	Export Volume (yd^3/day)
Soil	Grubbing/Land Clearing	20.00	162.97	162.97
	Grading/Excavation	20.00	162.97	162.97
	Drainage/Utilities/Sub-Grade	20.00	162.97	162.97
	Paving	20.00	162.97	162.97
Asphalt	Grubbing/Land Clearing	20.00	162.97	162.97
	Grading/Excavation	20.00	162.97	162.97
	Drainage/Utilities/Sub-Grade	20.00	162.97	162.97
	Paving	20.00	162.97	162.97

Mitigation Options

On-road Fleet Emissions Mitigation	2010 and Newer On-road Vehicles Fleet	Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer Select "20% NOx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAQMD Construction Mitigation Calculator can be used to confirm compliance with this mitigation measure (http://www.airquality.org/Businesses/CEQA-Land-Use-Planning/Mitigation). Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standard
Off-road Equipment Emissions Mitigation	Tier 4 Equipment	
Will all off-road equipment be tier 4?	All Tier 4 Equipment	

The remaining sections of this sheet contain areas that can be modified by the user, although those modifications are optional.

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F53.

Construction Periods	User Override of Construction Months	Program Calculated Months	User Override of Phase Starting Date	Program Default Phase Starting Date
Grubbing/Land Clearing		4.80		1/1/2022
Grading/Excavation		21.60		5/27/2022
Drainage/Utilities/Sub-Grade		14.40		3/14/2024
Paving		7.20		5/26/2025
Totals (Months)		48		

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F64.

Soil Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing		30.00		17	510.00
Miles/round trip: Grading/Excavation		30.00		17	510.00
Miles/round trip: Drainage/Utilities/Sub-Grade		30.00		17	510.00
Miles/round trip: Paving		30.00		17	510.00

2010+ Model Year Mitigation Option Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.04	0.42	3.08	0.11	0.05	0.02	1,748.57	0.00	0.27	1,830.52
Grading/Excavation (grams/mile)	0.03	0.41	3.02	0.11	0.05	0.02	1,723.72	0.00	0.27	1,804.50
Draining/Utilities/Sub-Grade (grams/mile)	0.03	0.41	3.04	0.11	0.05	0.02	1,686.66	0.00	0.27	1,765.70
Paving (grams/mile)	0.03	0.41	3.06	0.11	0.05	0.02	1,672.88	0.00	0.26	1,751.28
Grubbing/Land Clearing (grams/trip)	0.00	0.00	3.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/trip)	0.00	0.00	4.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Draining/Utilities/Sub-Grade (grams/trip)	0.00	0.00	4.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	4.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.05	0.48	3.61	0.13	0.06	0.02	1,966.02	0.00	0.31	2,058.16
Tons per const. Period - Grubbing/Land Clearing	0.00	0.03	0.19	0.01	0.00	0.00	103.81	0.00	0.02	108.67
Pounds per day - Grading/Excavation	0.04	0.46	3.56	0.13	0.05	0.02	1,938.08	0.00	0.30	2,028.90
Tons per const. Period - Grading/Excavation	0.01	0.11	0.84	0.03	0.01	0.00	460.49	0.00	0.07	482.07
Pounds per day - Drainage/Utilities/Sub-Grade	0.03	0.46	3.58	0.13	0.05	0.02	1,896.41	0.00	0.30	1,985.28
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.01	0.07	0.57	0.02	0.01	0.00	300.39	0.00	0.05	314.47
Pounds per day - Paving	0.03	0.46	3.61	0.13	0.05	0.02	1,880.92	0.00	0.30	1,969.07
Tons per const. Period - Paving	0.00	0.04	0.29	0.01	0.00	0.00	148.97	0.00	0.02	155.95
Total tons per construction project	0.02	0.24	1.89	0.07	0.03	0.01	1,013.65	0.00	0.16	1,061.16

Note: Asphalt Hauling emission default values can be overridden in cells D91 through D94, and F91 through F94.

Asphalt Hauling Emissions User Input	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
Miles/round trip: Grubbing/Land Clearing		30.00		17	510.00
Miles/round trip: Grading/Excavation		30.00		17	510.00
Miles/round trip: Drainage/Utilities/Sub-Grade		30.00		17	510.00
Miles/round trip: Paving		30.00		17	510.00

2010+ Model Year Mitigation Option Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.04	0.42	3.08	0.11	0.05	0.02	1,748.57	0.00	0.27	1,830.52
Grading/Excavation (grams/mile)	0.03	0.41	3.02	0.11	0.05	0.02	1,723.72	0.00	0.27	1,804.50
Draining/Utilities/Sub-Grade (grams/mile)	0.03	0.41	3.04	0.11	0.05	0.02	1,686.66	0.00	0.27	1,765.70
Paving (grams/mile)	0.03	0.41	3.06	0.11	0.05	0.02	1,672.88	0.00	0.26	1,751.28
Grubbing/Land Clearing (grams/trip)	0.00	0.00	3.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/trip)	0.00	0.00	4.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Draining/Utilities/Sub-Grade (grams/trip)	0.00	0.00	4.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	4.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.05	0.48	3.61	0.13	0.06	0.02	1,966.02	0.00	0.31	2,058.16
Tons per const. Period - Grubbing/Land Clearing	0.00	0.03	0.19	0.01	0.00	0.00	103.81	0.00	0.02	108.67
Pounds per day - Grading/Excavation	0.04	0.46	3.56	0.13	0.05	0.02	1,938.08	0.00	0.30	2,028.90
Tons per const. Period - Grading/Excavation	0.01	0.11	0.84	0.03	0.01	0.00	460.49	0.00	0.07	482.07
Pounds per day - Drainage/Utilities/Sub-Grade	0.03	0.46	3.58	0.13	0.05	0.02	1,896.41	0.00	0.30	1,985.28
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.01	0.07	0.57	0.02	0.01	0.00	300.39	0.00	0.05	314.47
Pounds per day - Paving	0.03	0.46	3.61	0.13	0.05	0.02	1,880.92	0.00	0.30	1,969.07
Tons per const. Period - Paving	0.00	0.04	0.29	0.01	0.00	0.00	148.97	0.00	0.02	155.95
Total tons per construction project	0.02	0.24	1.89	0.07	0.03	0.01	1,013.65	0.00	0.16	1,061.16

Note: Worker commute default values can be overridden in cells D121 through D126.

Worker Commute Emissions User Input	User Override of Worker Commute Default Values	Default Values		
Miles/ one-way trip		20		
One-way trips/day		2	Calculated Daily Trips	Calculated Daily VMT
No. of employees: Grubbing/Land Clearing		34	68	1,360.00
No. of employees: Grading/Excavation		49	98	1,960.00
No. of employees: Drainage/Utilities/Sub-Grade		43	86	1,720.00
No. of employees: Paving		39	78	1,560.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.02	1.00	0.08	0.05	0.02	0.00	328.72	0.00	0.01	330.96
Grading/Excavation (grams/mile)	0.02	0.93	0.08	0.05	0.02	0.00	320.10	0.00	0.01	322.17
Draining/Utilities/Sub-Grade (grams/mile)	0.01	0.82	0.06	0.05	0.02	0.00	303.08	0.00	0.01	304.87
Paving (grams/mile)	0.01	0.78	0.06	0.05	0.02	0.00	295.84	0.00	0.01	297.52
Grubbing/Land Clearing (grams/trip)	1.11	2.85	0.32	0.00	0.00	0.00	70.54	0.08	0.03	82.43
Grading/Excavation (grams/trip)	1.06	2.77	0.30	0.00	0.00	0.00	68.76	0.07	0.03	80.15
Draining/Utilities/Sub-Grade (grams/trip)	0.96	2.63	0.26	0.00	0.00	0.00	65.24	0.06	0.03	75.66
Paving (grams/trip)	0.93	2.56	0.25	0.00	0.00	0.00	63.73	0.06	0.03	73.77
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.22	3.43	0.30	0.14	0.06	0.01	996.17	0.02	0.03	1,004.67
Tons per const. Period - Grubbing/Land Clearing	0.01	0.18	0.02	0.01	0.00	0.00	52.60	0.00	0.00	53.05
Pounds per day - Grading/Excavation	0.30	4.63	0.39	0.20	0.08	0.01	1,398.01	0.03	0.04	1,409.43
Tons per const. Period - Grading/Excavation	0.07	1.10	0.09	0.05	0.02	0.00	332.17	0.01	0.01	334.88
Pounds per day - Drainage/Utilities/Sub-Grade	0.23	3.60	0.28	0.18	0.07	0.01	1,161.63	0.02	0.03	1,170.39
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.04	0.57	0.04	0.03	0.01	0.00	184.00	0.00	0.00	185.39
Pounds per day - Paving	0.20	3.11	0.23	0.16	0.07	0.01	1,028.40	0.02	0.02	1,035.93
Tons per const. Period - Paving	0.02	0.25	0.02	0.01	0.01	0.00	81.45	0.00	0.00	82.05
Total tons per construction project	0.13	2.10	0.17	0.10	0.04	0.01	650.22	0.01	0.02	655.36

Note: Water Truck default values can be overridden in cells D153 through D156, I153 through I156, and F153 through F156.

Water Truck Emissions User Input	User Override of Default # Water Trucks	Program Estimate of Number of Water Trucks	User Override of Truck Round Trips/Vehicle/Day	Default Values Round Trips/Vehicle/Day	Calculated Trips/day	User Override of Miles/Round Trip	Default Values Miles/Round Trip	Calculated Daily VMT
Grubbing/Land Clearing - Exhaust		1		5	5		8.00	40.00
Grading/Excavation - Exhaust		1		5	5		8.00	40.00
Drainage/Utilities/Subgrade		1		5	5		8.00	40.00
Paving		1		5	5		8.00	40.00

2010+ Model Year Mitigation Option Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.04	0.42	3.08	0.11	0.05	0.02	1,748.57	0.00	0.27	1,830.52
Grading/Excavation (grams/mile)	0.03	0.41	3.02	0.11	0.05	0.02	1,723.72	0.00	0.27	1,804.50
Draining/Utilities/Sub-Grade (grams/mile)	0.03	0.41	3.04	0.11	0.05	0.02	1,686.66	0.00	0.27	1,765.70
Paving (grams/mile)	0.03	0.41	3.06	0.11	0.05	0.02	1,672.88	0.00	0.26	1,751.28
Grubbing/Land Clearing (grams/trip)	0.00	0.00	3.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/trip)	0.00	0.00	4.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Draining/Utilities/Sub-Grade (grams/trip)	0.00	0.00	4.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	4.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.04	0.32	0.01	0.00	0.00	154.20	0.00	0.02	161.42
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.02	0.00	0.00	0.00	8.14	0.00	0.00	8.52
Pounds per day - Grading/Excavation	0.00	0.04	0.31	0.01	0.00	0.00	152.01	0.00	0.02	159.13
Tons per const. Period - Grading/Excavation	0.00	0.01	0.07	0.00	0.00	0.00	36.12	0.00	0.01	37.81
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.04	0.32	0.01	0.00	0.00	148.74	0.00	0.02	155.71
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.01	0.05	0.00	0.00	0.00	23.56	0.00	0.00	24.66
Pounds per day - Paving	0.00	0.04	0.32	0.01	0.00	0.00	147.52	0.00	0.02	154.44
Tons per const. Period - Paving	0.00	0.00	0.03	0.00	0.00	0.00	11.68	0.00	0.00	12.23
Total tons per construction project	0.00	0.02	0.17	0.01	0.00	0.00	79.50	0.00	0.01	83.23

Note: Fugitive dust default values can be overridden in cells D183 through D185.

Fugitive Dust	User Override of Max Acreage Disturbed/Day	Default Maximum Acreage/Day	PM10 pounds/day	PM10 tons/per period	PM2.5 pounds/day	PM2.5 tons/per period
Fugitive Dust - Grubbing/Land Clearing		0.50	5.00	0.26	1.04	0.05
Fugitive Dust - Grading/Excavation		0.50	5.00	1.19	1.04	0.25
Fugitive Dust - Drainage/Utilities/Subgrade		0.50	5.00	0.79	1.04	0.16

Off-Road Equipment Emissions

Grubbing/Land Clearing	Default Number of Vehicles	Mitigation Option Override of	Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*	Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
			Tier 4	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1		Tier 4	Crawler Tractors	0.24	4.18	0.48	0.02	0.02	0.01	759.03	0.25	0.01	767.22
			Tier 4	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2		Tier 4	Excavators	0.32	7.84	0.64	0.03	0.03	0.01	1,000.03	0.32	0.01	1,010.81
			Tier 4	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Other General Industrial Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Other Material Handling Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	24		Tier 4	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Grubbing/Land Clearing	pounds per day	0.56	12.02	1.12	0.06	0.05	0.02	1,759.06	0.57	0.02	1,778.03
	Grubbing/Land Clearing	tons per phase	0.03	0.63	0.06	0.00	0.00	0.00	92.88	0.03	0.00	93.88

Grading/Excavation	Default Number of Vehicles	Mitigation Option: Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Default Equipment Tier	Type	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
			Tier 4	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0		Tier 4	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1		Tier 4	Crawler Tractors	0.24	4.18	0.48	0.02	0.02	0.01	758.57	0.25	0.01	766.75
			Tier 4	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3		Tier 4	Excavators	0.48	11.75	0.95	0.05	0.04	0.02	1,500.28	0.49	0.01	1,516.46
			Tier 4	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2		Tier 4	Graders	0.41	7.03	0.81	0.04	0.04	0.01	1,281.91	0.41	0.01	1,295.73
			Tier 4	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Other General Industrial Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Other Material Handling Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2		Tier 4	Rollers	0.16	3.97	0.32	0.02	0.01	0.01	508.22	0.16	0.00	513.70
			Tier 4	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1		Tier 4	Rubber Tired Loaders	0.19	3.35	0.39	0.02	0.02	0.01	605.59	0.20	0.01	612.13
	2		Tier 4	Scrapers	0.93	16.16	1.86	0.09	0.09	0.03	2,940.14	0.95	0.03	2,971.82
0.00	24		Tier 4	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4		Tier 4	Tractors/Loaders/Backhoes	0.38	9.37	0.76	0.04	0.03	0.01	1,205.94	0.39	0.01	1,218.92
			Tier 4	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Grading/Excavation	pounds per day	2.79	55.81	5.58	0.28	0.26	0.09	8,800.66	2.85	0.08	8,895.50
	Grading/Excavation	tons per phase	0.66	13.26	1.33	0.07	0.06	0.02	2,091.04	0.68	0.02	2,113.57

Drainage/Utilities/Subgrade	Default Number of Vehicles	Mitigation Option: Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Default Equipment Tier		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*				pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
			Tier 4	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1		Tier 4	Air Compressors	0.10	2.44	0.20	0.01	0.01	0.00	375.26	0.02	0.00	376.63
			Tier 4	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1		Tier 4	Generator Sets	0.16	4.06	0.33	0.02	0.02	0.01	623.04	0.02	0.00	625.04
	1		Tier 4	Graders	0.20	3.52	0.41	0.02	0.02	0.01	640.42	0.21	0.01	647.32
			Tier 4	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Other General Industrial Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Other Material Handling Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1		Tier 4	Plate Compactors	0.02	0.36	0.32	0.02	0.02	0.00	34.48	0.00	0.00	34.65
			Tier 4	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1		Tier 4	Pumps	0.16	4.06	0.33	0.02	0.02	0.01	623.04	0.03	0.00	625.10
			Tier 4	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1		Tier 4	Rough Terrain Forklifts	0.11	2.61	0.21	0.01	0.01	0.00	333.73	0.11	0.00	337.33
			Tier 4	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1		Tier 4	Scrapers	0.47	8.08	0.93	0.05	0.04	0.02	1,468.78	0.47	0.01	1,484.61
0.00	24		Tier 4	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3		Tier 4	Tractors/Loaders/Backhoes	0.28	7.03	0.57	0.03	0.03	0.01	905.59	0.29	0.01	915.33
			Tier 4	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Drainage/Utilities/Sub-Grade	pounds per day	1.50	32.15	3.30	0.17	0.15	0.05	5,004.34	1.16	0.04	5,046.01
Drainage/Utilities/Sub-Grade	tons per phase	0.24	5.09	0.52	0.03	0.02	0.01	792.69	0.18	0.01	799.29

Paving	Default Number of Vehicles	Mitigation Option: Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Default Equipment Tier	Type	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*		Equipment Tier		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
			Tier 4	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Other General Industrial Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Other Material Handling Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1		Tier 4	Pavers	0.14	3.56	0.29	0.01	0.01	0.00	454.99	0.15	0.00	459.90
	1		Tier 4	Paving Equipment	0.13	3.10	0.25	0.01	0.01	0.00	394.32	0.13	0.00	398.57
			Tier 4	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2		Tier 4	Rollers	0.16	3.97	0.32	0.02	0.01	0.01	508.12	0.16	0.00	513.60
			Tier 4	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	24		Tier 4	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3		Tier 4	Tractors/Loaders/Backhoes	0.28	7.03	0.57	0.03	0.03	0.01	906.17	0.29	0.01	915.91
			Tier 4	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Tier 4	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Paving	pounds per day	0.71	17.66	1.43	0.07	0.07	0.02	2,263.60	0.73	0.02	2,287.98
Paving	tons per phase	0.06	1.40	0.11	0.01	0.01	0.00	179.28	0.06	0.00	181.21
Total Emissions all Phases (tons per construction period) =>		0.99	20.39	2.02	0.10	0.09	0.03	3,155.88	0.95	0.03	3,187.95

Equipment default values for horsepower and hours/day can be overridden in cells D403 through D436 and F403 through F436.

Equipment	User Override of Horsepower	Default Values Horsepower	User Override of Hours/day	Default Values Hours/day
Aerial Lifts		63		8
Air Compressors		78		8
Bore/Drill Rigs		221		8
Cement and Mortar Mixers		9		8
Concrete/Industrial Saws		81		8
Cranes		231		8
Crawler Tractors		212		8
Crushing/Proc. Equipment		85		8
Excavators		158		8
Forklifts		89		8
Generator Sets		84		8
Graders		187		8
Off-Highway Tractors		124		8
Off-Highway Trucks		402		8
Other Construction Equipment		172		8
Other General Industrial Equipment		88		8
Other Material Handling Equipment		168		8
Pavers		130		8
Paving Equipment		132		8
Plate Compactors		8		8
Pressure Washers		13		8
Pumps		84		8
Rollers		80		8
Rough Terrain Forklifts		100		8
Rubber Tired Dozers		247		8
Rubber Tired Loaders		203		8
Scrapers		367		8
Signal Boards		6		8
Skid Steer Loaders		65		8
Surfacing Equipment		263		8
Sweepers/Scrubbers		64		8
Tractors/Loaders/Backhoes		97		8
Trenchers		78		8
Welders		46		8

END OF DATA ENTRY SHEET

Road Construction Emissions Model, Version 9.0.0

Daily Emission Estimates for -> Valley Link: I-580 Road Widening				Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Pounds)	**ROG (lbs/day)**	**CO (lbs/day)**	**NOx (lbs/day)**	**PM10 (lbs/day)**	**PM10 (lbs/day)**	**PM10 (lbs/day)**	**PM2.5 (lbs/day)**	**PM2.5 (lbs/day)**	**PM2.5 (lbs/day)**	**SOx (lbs/day)**	**CO2 (lbs/day)**	**CH4 (lbs/day)**	**N2O (lbs/day)**	**CO2e (lbs/day)**
Grubbing/Land Clearing	0.87	16.43	8.95	5.46	0.46	5.00	1.26	0.22	1.04	0.07	6,841.48	0.60	0.68	7,060.45
Grading/Excavation	3.16	61.40	13.39	5.74	0.74	5.00	1.49	0.45	1.04	0.14	14,226.83	2.88	0.75	14,521.86
Drainage/Utilities/Sub-Grade	1.80	36.71	11.06	5.60	0.60	5.00	1.38	0.34	1.04	0.10	10,107.53	1.19	0.69	10,342.68
Paving	0.98	21.73	9.21	0.49	0.49	0.00	0.25	0.25	0.00	0.07	7,201.37	0.76	0.66	7,416.48
Maximum (pounds/day)	3.16	61.40	13.39	5.74	0.74	5.00	1.49	0.45	1.04	0.14	14,226.83	2.88	0.75	14,521.86
Total (tons/construction project)	1.16	22.99	6.14	2.58	0.33	2.24	0.66	0.19	0.47	0.06	5,912.91	0.96	0.38	6,048.85

Notes:

Project Start Year ->	2022
Project Length (months) ->	48
Total Project Area (acres) ->	43
Maximum Area Disturbed/Day (acres) ->	1
Water Truck Used? ->	Yes

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	326	326	510	510	1,360	40
Grading/Excavation	326	326	510	510	1,960	40
Drainage/Utilities/Sub-Grade	326	326	510	510	1,720	40
Paving	326	326	510	510	1,560	40

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> Valley Link: I-580 Road Widening				Total	Exhaust	Fugitive Dust	Total	Exhaust	Fugitive Dust					
Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	**ROG (tons/phase)**	**CO (tons/phase)**	**NOx (tons/phase)**	**PM10 (tons/phase)**	**PM10 (tons/phase)**	**PM10 (tons/phase)**	**PM2.5 (tons/phase)**	**PM2.5 (tons/phase)**	**PM2.5 (tons/phase)**	**SOx (tons/phase)**	**CO2 (tons/phase)**	**CH4 (tons/phase)**	**N2O (tons/phase)**	**CO2e (MT/phase)**
Grubbing/Land Clearing	0.05	0.87	0.47	0.29	0.02	0.26	0.07	0.01	0.05	0.00	361.23	0.03	0.04	338.19
Grading/Excavation	0.75	14.59	3.18	1.36	0.18	1.19	0.35	0.11	0.25	0.03	3,380.29	0.68	0.18	3,130.18
Drainage/Utilities/Sub-Grade	0.29	5.81	1.75	0.89	0.10	0.79	0.22	0.05	0.16	0.02	1,601.03	0.19	0.11	1,486.24
Paving	0.08	1.72	0.73	0.04	0.04	0.00	0.02	0.02	0.00	0.01	570.35	0.06	0.05	532.87
Maximum (tons/phase)	0.75	14.59	3.18	1.36	0.18	1.19	0.35	0.11	0.25	0.03	3380.29	0.68	0.18	3,130.18
Total (tons/construction project)	1.16	22.99	6.14	2.58	0.33	2.24	0.66	0.19	0.47	0.06	5912.91	0.96	0.38	5,487.48

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Appendix L.1

Valley Link

2040 Parking Expansion Construction Emissions

Code	Description	Start Year	Months	Working Days
Isabel Expansion	Isabel Expansion			
Isabel ExpansionSW	Site Work	2037	11	151
Isabel ExpansionStr	Structures	2037	7	101
Southfront Road Alt Expansion	Southfront Road Alt Expansion			
Southfront Road Alt ExpansionSW	Site Work	2037	6	84
Southfront Road Alt ExpansionStr	Structures	2037	0	0
Greenville Expansion	Greenville Expansion			
Greenville ExpansionSW	Site Work	2037	6	84
Greenville ExpansionStr	Structures	2037	0	0
Mountain House Expansion	Mountain House Expansion			
Mountain House ExpansionSW	Site Work	2037	6	84
Mountain House ExpansionStr	Structures	2037	0	0
Mountain House Alt Expansion	Mountain House Alt Expansion			
Mountain House Alt ExpansionSW	Site Work	2037	6	84
Mountain House Alt ExpansionStr	Structures	2037	0	0
Downtown Tracy Expansion	Downtown Tracy Expansion			
Downtown Tracy ExpansionSW	Site Work	2037	11	151
Downtown Tracy ExpansionStr	Structures	2037	7	101
River Islands Expansion	River Islands Expansion			
River Islands ExpansionSW	Site Work	2037	6	84
River Islands ExpansionStr	Structures	2037	0	0
North Lathrop Expansion	North Lathrop Expansion			
North Lathrop ExpansionSW	Site Work	2037	6	84
North Lathrop ExpansionStr	Structures	2037	0	0

Offroad Calculations Location Onsite

Activity	Year	Equip	#/day	Site hrs/day	Burden	Op hrs/day	CMOD Equipment Type	HP	LF	Pounds per day						Metric tons per day			
										ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O	CO2e
Site Work	2037	Grader	1	7	0.6	4	Graders	187	0.4	0.1	0.4	2.4	0.0	0.0	0.0	0.2	0.0	0.0	0.2
Site Work	2037	D6 Dozer	2	7	0.7	5	Rubber Tired Dozers	247	0.4	0.6	2.5	2.7	0.1	0.1	0.0	0.5	0.0	0.0	0.5
Site Work	2037	D8 Dozer	1	6	0.6	4	Rubber Tired Dozers	247	0.4	0.2	0.9	1.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2
Site Work	2037	Compactor	2	6	0.6	4	Plate Compactors	8	0.4	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
										1.0	4.1	6.2	0.2	0.2	0.0	0.9	0.0	0.0	0.9
Site Work	2038	Grader	1	7	0.6	4	Graders	187	0.4	0.1	0.4	2.4	0.0	0.0	0.0	0.2	0.0	0.0	0.2
Site Work	2038	D6 Dozer	2	7	0.7	5	Rubber Tired Dozers	247	0.4	0.6	2.5	2.7	0.1	0.1	0.0	0.5	0.0	0.0	0.5
Site Work	2038	D8 Dozer	1	6	0.6	4	Rubber Tired Dozers	247	0.4	0.2	0.9	1.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2
Site Work	2038	Compactor	2	6	0.6	4	Plate Compactors	8	0.4	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
										1.0	4.1	6.2	0.2	0.2	0.0	0.9	0.0	0.0	0.9
Site Work	2039	Grader	1	7	0.6	4	Graders	187	0.4	0.1	0.4	2.4	0.0	0.0	0.0	0.2	0.0	0.0	0.2
Site Work	2039	D6 Dozer	2	7	0.7	5	Rubber Tired Dozers	247	0.4	0.6	2.5	2.7	0.1	0.1	0.0	0.5	0.0	0.0	0.5
Site Work	2039	D8 Dozer	1	6	0.6	4	Rubber Tired Dozers	247	0.4	0.2	0.9	1.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2
Site Work	2039	Compactor	2	6	0.6	4	Plate Compactors	8	0.4	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
										1.0	4.1	6.2	0.2	0.2	0.0	0.9	0.0	0.0	0.9
Structures	2037	Generator	2	9	0.8	7	Generator Sets	84	0.7	0.3	2.9	6.5	0.0	0.0	0.0	0.5	0.0	0.0	0.5
Structures	2037	Crane	1	5	0.6	3	Cranes	231	0.3	0.1	0.2	0.5	0.0	0.0	0.0	0.1	0.0	0.0	0.1
Structures	2037	Concrete Pump	1	7	0.2	1	Pumps	84	0.7	0.0	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Structures	2037	Wheel Loader	4	4	0.4	2	Rubber Tired Loaders	203	0.4	0.2	0.4	1.2	0.0	0.0	0.0	0.3	0.0	0.0	0.3
Structures	2037	Welders	2	5	0.5	3	Welders	46	0.5	0.1	0.7	1.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1
										0.7	4.5	9.8	0.1	0.1	0.0	1.0	0.0	0.0	1.0
Structures	2038	Generator	2	9	0.8	7	Generator Sets	84	0.7	0.3	2.9	6.5	0.0	0.0	0.0	0.5	0.0	0.0	0.5
Structures	2038	Crane	1	5	0.6	3	Cranes	231	0.3	0.1	0.2	0.5	0.0	0.0	0.0	0.1	0.0	0.0	0.1
Structures	2038	Concrete Pump	1	7	0.2	1	Pumps	84	0.7	0.0	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Structures	2038	Wheel Loader	4	4	0.4	2	Rubber Tired Loaders	203	0.4	0.2	0.4	1.2	0.0	0.0	0.0	0.3	0.0	0.0	0.3
Structures	2038	Welders	2	5	0.5	3	Welders	46	0.5	0.1	0.7	1.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1
										0.7	4.5	9.8	0.1	0.1	0.0	1.0	0.0	0.0	1.0
Structures	2039	Generator	2	9	0.8	7	Generator Sets	84	0.7	0.3	2.9	6.5	0.0	0.0	0.0	0.5	0.0	0.0	0.5
Structures	2039	Crane	1	5	0.6	3	Cranes	231	0.3	0.1	0.2	0.5	0.0	0.0	0.0	0.1	0.0	0.0	0.1
Structures	2039	Concrete Pump	1	7	0.2	1	Pumps	84	0.7	0.0	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Structures	2039	Wheel Loader	4	4	0.4	2	Rubber Tired Loaders	203	0.4	0.2	0.4	1.2	0.0	0.0	0.0	0.3	0.0	0.0	0.3
Structures	2039	Welders	2	5	0.5	3	Welders	46	0.5	0.1	0.7	1.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1
										0.7	4.5	9.8	0.1	0.1	0.0	1.0	0.0	0.0	1.0

Employee Onroad Calculations Onsite

Activity	Year	Air Basin	Vehicle	Employee/ Day	Trips/ Day	Mi/Day	Pounds per day								Metric tons per day			
							ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e
2022 Site Work	2037	SFBAAB	Employee Auto	11	22	304	0.1	0.3	5.8	0.0	0.0	12.9	3.3	0.0	1	0.0	0.0	1
2023 Site Work	2038	SFBAAB	Employee Auto	11	22	304	0.1	0.3	5.7	0.0	0.0	12.9	3.3	0.0	1	0.0	0.0	1
2024 Site Work	2039	SFBAAB	Employee Auto	11	22	304	0.0	0.3	5.6	0.0	0.0	12.9	3.3	0.0	1	0.0	0.0	1
2022 Structures	2037	SFBAAB	Employee Auto	24	48	662	0.2	1.3	27.2	0.0	0.0	61.3	15.5	0.1	7	0.0	0.0	7
2023 Structures	2038	SFBAAB	Employee Auto	24	48	662	0.2	1.3	26.9	0.0	0.0	61.3	15.5	0.1	7	0.0	0.0	7
2024 Structures	2039	SFBAAB	Employee Auto	24	48	662	0.2	1.2	26.6	0.0	0.0	61.3	15.5	0.1	7	0.0	0.0	7
2022 Site Work	2037	SJVAB	Employee Auto	11	22	304	0.1	0.3	6.0	0.0	0.0	12.9	3.3	0.0	1	0.0	0.0	2
2023 Site Work	2038	SJVAB	Employee Auto	11	22	304	0.1	0.3	5.9	0.0	0.0	12.9	3.3	0.0	1	0.0	0.0	1
2024 Site Work	2039	SJVAB	Employee Auto	11	22	304	0.1	0.3	5.8	0.0	0.0	12.9	3.3	0.0	1	0.0	0.0	1
2022 Structures	2037	SJVAB	Employee Auto	24	48	662	0.2	1.3	28.3	0.0	0.0	61.3	15.5	0.1	7	0.0	0.0	7
2023 Structures	2038	SJVAB	Employee Auto	24	48	662	0.2	1.3	27.9	0.0	0.0	61.3	15.5	0.1	7	0.0	0.0	7
2024 Structures	2039	SJVAB	Employee Auto	24	48	662	0.2	1.3	27.6	0.0	0.0	61.3	15.5	0.1	7	0.0	0.0	7

Onsite Onroad Calculations Onsite

Activity	Year	Air Basin	Vehicle	Trucks	RT Mi/ Truck	Pounds per day								Metric tons per day			
						ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e
Site Work	2037	SFBAAB	Water Truck	1	18	0.0	0.3	0.0	0.0	0.0	0.5	0.0	0.0	0	0.0	0.0	0
Site Work	2037	SFBAAB	Dump Truck	4	9	0.0	1.0	0.2	0.0	0.0	1.0	0.1	0.0	0	0.0	0.0	0
						0.0	1.2	0.2	0.0	0.0	1.5	0.1	0.0	0	0.0	0.0	0
Site Work	2038	SFBAAB	Water Truck	1	18	0.0	0.3	0.0	0.0	0.0	0.5	0.0	0.0	0	0.0	0.0	0
Site Work	2038	SFBAAB	Dump Truck	4	9	0.0	1.0	0.2	0.0	0.0	1.0	0.1	0.0	0	0.0	0.0	0
						0.0	1.2	0.2	0.0	0.0	1.5	0.1	0.0	0	0.0	0.0	0
Site Work	2039	SFBAAB	Water Truck	1	18	0.0	0.3	0.0	0.0	0.0	0.5	0.0	0.0	0	0.0	0.0	0
Site Work	2039	SFBAAB	Dump Truck	4	9	0.0	1.0	0.2	0.0	0.0	1.0	0.1	0.0	0	0.0	0.0	0
						0.0	1.3	0.2	0.0	0.0	1.5	0.1	0.0	0	0.0	0.0	0
Structures	2037	SFBAAB	Water Truck	1	8	0.0	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0	0.0	0.0	0
Structures	2037	SFBAAB	Flat Bed Truck	1	8	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0	0.0	0.0	0
Structures	2037	SFBAAB	Pickup	3	11	0.0	0.0	0.1	0.0	0.0	0.8	0.1	0.0	0	0.0	0.0	0
Structures	2037	SFBAAB	Concrete Truck	5	5	0.0	0.4	0.0	0.0	0.0	0.7	0.1	0.0	0	0.0	0.0	0
						0.0	0.8	0.2	0.0	0.0	1.9	0.2	0.0	0	0.0	0.0	0
Structures	2038	SFBAAB	Water Truck	1	8	0.0	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0	0.0	0.0	0
Structures	2038	SFBAAB	Flat Bed Truck	1	8	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0	0.0	0.0	0
Structures	2038	SFBAAB	Pickup	3	11	0.0	0.0	0.1	0.0	0.0	0.8	0.1	0.0	0	0.0	0.0	0
Structures	2038	SFBAAB	Concrete Truck	5	5	0.0	0.4	0.0	0.0	0.0	0.7	0.1	0.0	0	0.0	0.0	0
						0.0	0.8	0.2	0.0	0.0	1.9	0.2	0.0	0	0.0	0.0	0
Structures	2039	SFBAAB	Water Truck	1	8	0.0	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0	0.0	0.0	0
Structures	2039	SFBAAB	Flat Bed Truck	1	8	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0	0.0	0.0	0
Structures	2039	SFBAAB	Pickup	3	11	0.0	0.0	0.1	0.0	0.0	0.8	0.1	0.0	0	0.0	0.0	0
Structures	2039	SFBAAB	Concrete Truck	5	5	0.0	0.4	0.0	0.0	0.0	0.7	0.1	0.0	0	0.0	0.0	0
						0.0	0.8	0.2	0.0	0.0	1.9	0.2	0.0	0	0.0	0.0	0
Site Work	2037	SJVAB	Water Truck	1	18	0.0	0.3	0.0	0.0	0.0	0.5	0.0	0.0	0	0.0	0.0	0
Site Work	2037	SJVAB	Dump Truck	4	9	0.0	1.0	0.2	0.0	0.0	1.0	0.1	0.0	0	0.0	0.0	0
						0.0	1.3	0.2	0.0	0.0	1.5	0.1	0.0	0	0.0	0.0	0
Site Work	2038	SJVAB	Water Truck	1	18	0.0	0.3	0.0	0.0	0.0	0.5	0.0	0.0	0	0.0	0.0	0
Site Work	2038	SJVAB	Dump Truck	4	9	0.0	1.0	0.2	0.0	0.0	1.0	0.1	0.0	0	0.0	0.0	0
						0.0	1.3	0.2	0.0	0.0	1.5	0.1	0.0	0	0.0	0.0	0
Site Work	2039	SJVAB	Water Truck	1	18	0.0	0.3	0.0	0.0	0.0	0.5	0.0	0.0	0	0.0	0.0	0
Site Work	2039	SJVAB	Dump Truck	4	9	0.0	1.0	0.2	0.0	0.0	1.0	0.1	0.0	0	0.0	0.0	0
						0.0	1.3	0.2	0.0	0.0	1.5	0.1	0.0	0	0.0	0.0	0
Structures	2037	SJVAB	Water Truck	1	8	0.0	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0	0.0	0.0	0
Structures	2037	SJVAB	Flat Bed Truck	1	8	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0	0.0	0.0	0
Structures	2037	SJVAB	Pickup	3	11	0.0	0.0	0.1	0.0	0.0	0.8	0.1	0.0	0	0.0	0.0	0
Structures	2037	SJVAB	Concrete Truck	5	5	0.0	0.5	0.1	0.0	0.0	0.7	0.1	0.0	0	0.0	0.0	0
						0.0	0.8	0.2	0.0	0.0	1.9	0.2	0.0	0	0.0	0.0	0
Structures	2038	SJVAB	Water Truck	1	8	0.0	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0	0.0	0.0	0
Structures	2038	SJVAB	Flat Bed Truck	1	8	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0	0.0	0.0	0
Structures	2038	SJVAB	Pickup	3	11	0.0	0.0	0.1	0.0	0.0	0.8	0.1	0.0	0	0.0	0.0	0
Structures	2038	SJVAB	Concrete Truck	5	5	0.0	0.5	0.1	0.0	0.0	0.7	0.1	0.0	0	0.0	0.0	0
						0.0	0.8	0.2	0.0	0.0	1.9	0.2	0.0	0	0.0	0.0	0
Structures	2039	SJVAB	Water Truck	1	8	0.0	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0	0.0	0.0	0
Structures	2039	SJVAB	Flat Bed Truck	1	8	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0	0.0	0.0	0
Structures	2039	SJVAB	Pickup	3	11	0.0	0.0	0.1	0.0	0.0	0.8	0.1	0.0	0	0.0	0.0	0
Structures	2039	SJVAB	Concrete Truck	5	5	0.0	0.5	0.1	0.0	0.0	0.7	0.1	0.0	0	0.0	0.0	0
						0.0	0.8	0.2	0.0	0.0	1.9	0.2	0.0	0	0.0	0.0	0

Offsite Onroad Calculations Offsite

Activity	Year	Air Basin	Vehicle	Trucks	RT Mi/ Truck	Pounds per day								Metric tons per day			
						ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e
Site Work	2037	SFBAAB	Water Truck	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
Site Work	2037	SFBAAB	Dump Truck	4	63	0.0	1.9	0.3	0.0	0.0	1.7	0.4	0.0	0	0.0	0.0	0
						0.0	1.9	0.3	0.0	0.0	1.7	0.4	0.0	0	0.0	0.0	0
Site Work	2038	SFBAAB	Water Truck	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
Site Work	2038	SFBAAB	Dump Truck	4	63	0.0	1.9	0.3	0.0	0.0	1.7	0.4	0.0	0	0.0	0.0	0
						0.0	1.9	0.3	0.0	0.0	1.7	0.4	0.0	0	0.0	0.0	0
Site Work	2039	SFBAAB	Water Truck	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
Site Work	2039	SFBAAB	Dump Truck	4	63	0.0	1.9	0.3	0.0	0.0	1.7	0.4	0.0	0	0.0	0.0	0
						0.0	1.9	0.3	0.0	0.0	1.7	0.4	0.0	0	0.0	0.0	0
Structures	2037	SFBAAB	Water Truck	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
Structures	2037	SFBAAB	Flat Bed Truck	1	18	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0	0.0	0.0	0
Structures	2037	SFBAAB	Pickup	3	74	0.0	0.0	0.2	0.0	0.0	1.5	0.4	0.0	0	0.0	0.0	0
Structures	2037	SFBAAB	Concrete Truck	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
						0.0	0.0	0.2	0.0	0.0	1.6	0.4	0.0	0	0.0	0.0	0
Structures	2038	SFBAAB	Water Truck	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
Structures	2038	SFBAAB	Flat Bed Truck	1	18	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0	0.0	0.0	0
Structures	2038	SFBAAB	Pickup	3	74	0.0	0.0	0.2	0.0	0.0	1.5	0.4	0.0	0	0.0	0.0	0
Structures	2038	SFBAAB	Concrete Truck	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
						0.0	0.0	0.2	0.0	0.0	1.6	0.4	0.0	0	0.0	0.0	0
Structures	2039	SFBAAB	Water Truck	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
Structures	2039	SFBAAB	Flat Bed Truck	1	18	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0	0.0	0.0	0
Structures	2039	SFBAAB	Pickup	3	74	0.0	0.0	0.2	0.0	0.0	1.5	0.4	0.0	0	0.0	0.0	0
Structures	2039	SFBAAB	Concrete Truck	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
						0.0	0.0	0.2	0.0	0.0	1.6	0.4	0.0	0	0.0	0.0	0
Site Work	2037	SJVAB	Water Truck	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
Site Work	2037	SJVAB	Dump Truck	4	63	0.0	1.9	0.3	0.0	0.0	1.7	0.4	0.0	0	0.0	0.0	0
						0.0	1.9	0.3	0.0	0.0	1.7	0.4	0.0	0	0.0	0.0	0
Site Work	2038	SJVAB	Water Truck	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
Site Work	2038	SJVAB	Dump Truck	4	63	0.0	1.9	0.3	0.0	0.0	1.7	0.4	0.0	0	0.0	0.0	0
						0.0	1.9	0.3	0.0	0.0	1.7	0.4	0.0	0	0.0	0.0	0
Site Work	2039	SJVAB	Water Truck	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
Site Work	2039	SJVAB	Dump Truck	4	63	0.0	1.9	0.3	0.0	0.0	1.7	0.4	0.0	0	0.0	0.0	0
						0.0	1.9	0.3	0.0	0.0	1.7	0.4	0.0	0	0.0	0.0	0
Structures	2037	SJVAB	Water Truck	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
Structures	2037	SJVAB	Flat Bed Truck	1	18	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0	0.0	0.0	0
Structures	2037	SJVAB	Pickup	3	74	0.0	0.0	0.2	0.0	0.0	1.5	0.4	0.0	0	0.0	0.0	0
Structures	2037	SJVAB	Concrete Truck	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
						0.0	0.0	0.2	0.0	0.0	1.6	0.4	0.0	0	0.0	0.0	0
Structures	2038	SJVAB	Water Truck	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
Structures	2038	SJVAB	Flat Bed Truck	1	18	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0	0.0	0.0	0
Structures	2038	SJVAB	Pickup	3	74	0.0	0.0	0.2	0.0	0.0	1.5	0.4	0.0	0	0.0	0.0	0
Structures	2038	SJVAB	Concrete Truck	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
						0.0	0.0	0.2	0.0	0.0	1.6	0.4	0.0	0	0.0	0.0	0
Structures	2039	SJVAB	Water Truck	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
Structures	2039	SJVAB	Flat Bed Truck	1	18	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0	0.0	0.0	0
Structures	2039	SJVAB	Pickup	3	74	0.0	0.0	0.2	0.0	0.0	1.5	0.4	0.0	0	0.0	0.0	0
Structures	2039	SJVAB	Concrete Truck	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
						0.0	0.0	0.2	0.0	0.0	1.6	0.4	0.0	0	0.0	0.0	0

Earth Moving Calculations Location Onsite

Code	Days	Grading (acres)	Cut/fill (cy)	Dozing (hour/day)	Emission Factor						Pounds per day	
					PM10 G (lb/acre)	PM2.5 G (lb/acre)	PM10 C/F (lb/ton)	PM2.5 C/F (lb/ton)	PM10 Doz (lb/hr)	PM2.5 Doz (lb/hr)	PM10 D	PM2.5 D
Isabel Expansion												
Isabel ExpansionSW	151	9.0	13,500	9	1.1	0.1145	0.0001	0.0000	0.8	0.4	6.5	3.5
Isabel ExpansionStr	101				1.1	0.1145	0.0001	0.0000	0.8	0.4	0.0	0.0
Southfront Road Alt Expansion												
Southfront Road Alt ExpansionSW	84	3.0	3,000	9	1.1	0.1145	0.0001	0.0000	0.8	0.4	6.4	3.5
Southfront Road Alt ExpansionStr	0				1.1	0.1145	0.0001	0.0000	0.8	0.4		
Greenville Expansion												
Greenville ExpansionSW	84	3.0	2,000	9	1.1	0.1145	0.0001	0.0000	0.8	0.4	6.4	3.5
Greenville ExpansionStr	0				1.1	0.1145	0.0001	0.0000	0.8	0.4		
Mountain House Expansion												
Mountain House ExpansionSW	84	2.0	4,000	9	1.1	0.1145	0.0001	0.0000	0.8	0.4	6.4	3.5
Mountain House ExpansionStr	0				1.1	0.1145	0.0001	0.0000	0.8	0.4		
Mountain House Alt Expansion												
Mountain House Alt ExpansionSW	84	2.0	4,000	9	1.1	0.1145	0.0001	0.0000	0.8	0.4	6.4	3.5
Mountain House Alt ExpansionStr	0				1.1	0.1145	0.0001	0.0000	0.8	0.4		
Downtown Tracy Expansion												
Downtown Tracy ExpansionSW	151	9.0	24,000	9	1.1	0.1145	0.0001	0.0000	0.8	0.4	6.5	3.5
Downtown Tracy ExpansionStr	101				1.1	0.1145	0.0001	0.0000	0.8	0.4	0.0	0.0
River Islands Expansion												
River Islands ExpansionSW	84	3.0	4,000	9	1.1	0.1145	0.0001	0.0000	0.8	0.4	6.4	3.5
River Islands ExpansionStr	0				1.1	0.1145	0.0001	0.0000	0.8	0.4		
North Lathrop Expansion												
North Lathrop ExpansionSW	84	20.0	32,000	9	1.1	0.1145	0.0001	0.0000	0.8	0.4	6.7	3.6
North Lathrop ExpansionStr	0				1.1	0.1145	0.0001	0.0000	0.8	0.4		

Paving Calculations Location Onsite

Code	Days	Paved (sf)	Emission Factor ROG (lbs per acre)	Pounds ROG
Isabel Expansion				
Isabel ExpansionSW	151	200,000	2.6	0.1
Isabel ExpansionStr	101	0	2.6	0.0
Southfront Road Alt Expansion				
Southfront Road Alt ExpansionSW	84	140,000	2.6	0.1
Southfront Road Alt ExpansionStr	0	0	2.6	
Greenville Expansion				
Greenville ExpansionSW	84	117,000	2.6	0.1
Greenville ExpansionStr	0	0	2.6	
Mountain House Expansion				
Mountain House ExpansionSW	84	105,000	2.6	0.1
Mountain House ExpansionStr	0	0	2.6	
Mountain House Alt Expansion				
Mountain House Alt ExpansionSW	84	105,000	2.6	0.1
Mountain House Alt ExpansionStr	0	0	2.6	
Downtown Tracy Expansion				
Downtown Tracy ExpansionSW	151	0	2.6	0.0
Downtown Tracy ExpansionStr	101	0	2.6	0.0
River Islands Expansion				
River Islands ExpansionSW	84	130,000	2.6	0.1
River Islands ExpansionStr	0	0	2.6	
North Lathrop Expansion				
North Lathrop ExpansionSW	84	175,000	2.6	0.1
North Lathrop ExpansionStr	0	0	2.6	

Demolition Calculations Location Onsite

Code	Days	Demo (ton)	Emission Factor		Pounds per day	
			PM10 G (lb/ton)	PM2.5 G (lb/ton)	PM10 D	PM2.5 D
Isabel Expansion						
Isabel ExpansionSW	151	7,585	0.022	0.003	1.1	0.2
Isabel ExpansionStr	101		0.022	0.003	0.0	0.0
Southfront Road Alt Expansion						
Southfront Road Alt ExpansionSW	84		0.022	0.003	0.0	0.0
Southfront Road Alt ExpansionStr	0		0.022	0.003	0.0	0.0
Greenville Expansion						
Greenville ExpansionSW	84		0.022	0.003	0.0	0.0
Greenville ExpansionStr	0		0.022	0.003	0.0	0.0
Mountain House Expansion						
Mountain House ExpansionSW	84		0.022	0.003	0.0	0.0
Mountain House ExpansionStr	0		0.022	0.003	0.0	0.0
Mountain House Alt Expansion						
Mountain House Alt ExpansionSW	84		0.022	0.003	0.0	0.0
Mountain House Alt ExpansionStr	0		0.022	0.003	0.0	0.0
Downtown Tracy Expansion						
Downtown Tracy ExpansionSW	151	2,275	0.022	0.003	0.3	0.1
Downtown Tracy ExpansionStr	101		0.022	0.003	0.0	0.0
River Islands Expansion						
River Islands ExpansionSW	84		0.022	0.003	0.0	0.0
River Islands ExpansionStr	0		0.022	0.003	0.0	0.0
North Lathrop Expansion						
North Lathrop ExpansionSW	84		0.022	0.003	0.0	0.0
North Lathrop ExpansionStr	0		0.022	0.003	0.0	0.0

Coating Calculations Location Onsite

Code	Days	SF Coated	Emission Factor ROG (lb/sf)	Pounds ROG
Isabel Expansion				
Isabel ExpansionSW	151		0.007	
Isabel ExpansionStr	101	31,800	0.007	2.2
Southfront Road Alt Expansion				
Southfront Road Alt ExpansionSW	84	8,400	0.007	0.7
Southfront Road Alt ExpansionStr	0		0.007	
Greenville Expansion				
Greenville ExpansionSW	84	7,020	0.007	0.6
Greenville ExpansionStr	0		0.007	
Mountain House Expansion				
Mountain House ExpansionSW	84	6,300	0.007	0.5
Mountain House ExpansionStr	0		0.007	
Mountain House Alt Expansion				
Mountain House Alt ExpansionSW	84	6,300	0.007	0.5
Mountain House Alt ExpansionStr	0		0.007	
Downtown Tracy Expansion				
Downtown Tracy ExpansionSW	151		0.007	
Downtown Tracy ExpansionStr	101	24,300	0.007	1.7
River Islands Expansion				
River Islands ExpansionSW	84	7,800	0.007	0.6
River Islands ExpansionStr	0		0.007	
North Lathrop Expansion				
North Lathrop ExpansionSW	84	46,500	0.007	3.8
North Lathrop ExpansionStr	0		0.007	

Parking structure	0.06
Nonres facility	2

Code	Description	Start Year	Months	Working Days
Isabel Expansion	Isabel Expansion			
Isabel ExpansionSW	Site Work	2037	11	151
Isabel ExpansionStr	Structures	2037	7	101
Southfront Road Alt Expansion	Southfront Road Alt Expansion			
Southfront Road Alt ExpansionSW	Site Work	2037	6	84
Southfront Road Alt ExpansionStr	Structures	2037	0	0
Greenville Expansion	Greenville Expansion			
Greenville ExpansionSW	Site Work	2037	6	84
Greenville ExpansionStr	Structures	2037	0	0
Mountain House Expansion	Mountain House Expansion			
Mountain House ExpansionSW	Site Work	2037	6	84
Mountain House ExpansionStr	Structures	2037	0	0
Mountain House Alt Expansion	Mountain House Alt Expansion			
Mountain House Alt ExpansionSW	Site Work	2037	6	84
Mountain House Alt ExpansionStr	Structures	2037	0	0
Downtown Tracy Expansion	Downtown Tracy Expansion			
Downtown Tracy ExpansionSW	Site Work	2037	11	151
Downtown Tracy ExpansionStr	Structures	2037	7	101
River Islands Expansion	River Islands Expansion			
River Islands ExpansionSW	Site Work	2037	6	84
River Islands ExpansionStr	Structures	2037	0	0
North Lathrop Expansion	North Lathrop Expansion			
North Lathrop ExpansionSW	Site Work	2037	6	84
North Lathrop ExpansionStr	Structures	2037	0	0

Offroad Calculations Location Onsite

Activity	Year	Equip	#/day	Site hrs/day	Burden	Op hrs/day	CMOD Equipment Type	HP	LF	Pounds per day								Metric tons per day			
										ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e
Site Work	2037	Grader	1	7	0.6	4	Graders	187	0.4	0.0	0.2	1.6	0.0	0.0			0.0	0.2	0.0	0.0	0.2
Site Work	2037	D6 Dozer	2	7	0.7	5	Rubber Tired Dozers	247	0.4	0.1	0.5	4.6	0.0	0.0			0.0	0.5	0.0	0.0	0.5
Site Work	2037	D8 Dozer	1	6	0.6	4	Rubber Tired Dozers	247	0.4	0.0	0.2	1.7	0.0	0.0			0.0	0.2	0.0	0.0	0.2
Site Work	2037	Compactor	2	6	0.6	4	Plate Compactors	8	0.4	0.0	0.2	0.2	0.0	0.0			0.0	0.0	0.0	0.0	0.0
										0.3	1.1	8.1	0.0	0.0			0.0	0.9	0.0	0.0	0.9
Site Work	2038	Grader	1	7	0.6	4	Graders	187	0.4	0.0	0.2	1.6	0.0	0.0			0.0	0.2	0.0	0.0	0.2
Site Work	2038	D6 Dozer	2	7	0.7	5	Rubber Tired Dozers	247	0.4	0.1	0.5	4.6	0.0	0.0			0.0	0.5	0.0	0.0	0.5
Site Work	2038	D8 Dozer	1	6	0.6	4	Rubber Tired Dozers	247	0.4	0.0	0.2	1.7	0.0	0.0			0.0	0.2	0.0	0.0	0.2
Site Work	2038	Compactor	2	6	0.6	4	Plate Compactors	8	0.4	0.0	0.2	0.2	0.0	0.0			0.0	0.0	0.0	0.0	0.0
										0.3	1.1	8.1	0.0	0.0			0.0	0.9	0.0	0.0	0.9
Site Work	2039	Grader	1	7	0.6	4	Graders	187	0.4	0.0	0.2	1.6	0.0	0.0			0.0	0.2	0.0	0.0	0.2
Site Work	2039	D6 Dozer	2	7	0.7	5	Rubber Tired Dozers	247	0.4	0.1	0.5	4.6	0.0	0.0			0.0	0.5	0.0	0.0	0.5
Site Work	2039	D8 Dozer	1	6	0.6	4	Rubber Tired Dozers	247	0.4	0.0	0.2	1.7	0.0	0.0			0.0	0.2	0.0	0.0	0.2
Site Work	2039	Compactor	2	6	0.6	4	Plate Compactors	8	0.4	0.0	0.2	0.2	0.0	0.0			0.0	0.0	0.0	0.0	0.0
										0.3	1.1	8.1	0.0	0.0			0.0	0.9	0.0	0.0	0.9
Structures	2037	Generator	2	9	0.8	7	Generator Sets	84	0.7	0.1	0.5	7.3	0.0	0.0			0.0	0.5	0.0	0.0	0.5
Structures	2037	Crane	1	5	0.6	3	Cranes	231	0.3	0.0	0.1	1.0	0.0	0.0			0.0	0.1	0.0	0.0	0.1
Structures	2037	Concrete Pump	1	7	0.2	1	Pumps	84	0.7	0.0	0.0	0.7	0.0	0.0			0.0	0.0	0.0	0.0	0.0
Structures	2037	Wheel Loader	4	4	0.4	2	Rubber Tired Loaders	203	0.4	0.1	0.3	2.3	0.0	0.0			0.0	0.3	0.0	0.0	0.3
Structures	2037	Welders	2	5	0.5	3	Welders	46	0.5	0.0	0.6	0.8	0.0	0.0			0.0	0.1	0.0	0.0	0.1
										0.2	1.5	12.1	0.0	0.0			0.0	1.0	0.0	0.0	1.0
Structures	2038	Generator	2	9	0.8	7	Generator Sets	84	0.7	0.1	0.5	7.3	0.0	0.0			0.0	0.5	0.0	0.0	0.5
Structures	2038	Crane	1	5	0.6	3	Cranes	231	0.3	0.0	0.1	1.0	0.0	0.0			0.0	0.1	0.0	0.0	0.1
Structures	2038	Concrete Pump	1	7	0.2	1	Pumps	84	0.7	0.0	0.0	0.7	0.0	0.0			0.0	0.0	0.0	0.0	0.0
Structures	2038	Wheel Loader	4	4	0.4	2	Rubber Tired Loaders	203	0.4	0.1	0.3	2.3	0.0	0.0			0.0	0.3	0.0	0.0	0.3
Structures	2038	Welders	2	5	0.5	3	Welders	46	0.5	0.0	0.6	0.8	0.0	0.0			0.0	0.1	0.0	0.0	0.1
										0.2	1.5	12.1	0.0	0.0			0.0	1.0	0.0	0.0	1.0
Structures	2039	Generator	2	9	0.8	7	Generator Sets	84	0.7	0.1	0.5	7.3	0.0	0.0			0.0	0.5	0.0	0.0	0.5
Structures	2039	Crane	1	5	0.6	3	Cranes	231	0.3	0.0	0.1	1.0	0.0	0.0			0.0	0.1	0.0	0.0	0.1
Structures	2039	Concrete Pump	1	7	0.2	1	Pumps	84	0.7	0.0	0.0	0.7	0.0	0.0			0.0	0.0	0.0	0.0	0.0
Structures	2039	Wheel Loader	4	4	0.4	2	Rubber Tired Loaders	203	0.4	0.1	0.3	2.3	0.0	0.0			0.0	0.3	0.0	0.0	0.3
Structures	2039	Welders	2	5	0.5	3	Welders	46	0.5	0.0	0.6	0.8	0.0	0.0			0.0	0.1	0.0	0.0	0.1
										0.2	1.5	12.1	0.0	0.0			0.0	1.0	0.0	0.0	1.0

Employee Onroad Calculations Onsite

Activity	Year	Air Basin	Vehicle	Employee/ Day	Trips/ Day	Mi/Day	Pounds per day								Metric tons per day			
							ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e
2022 Site Work	2037	SFBAAB	Employee Auto	11	22	304	0.1	0.3	5.8	0.0	0.0	12.9	3.3	0.0	1	0.0	0.0	1
2023 Site Work	2038	SFBAAB	Employee Auto	11	22	304	0.1	0.3	5.7	0.0	0.0	12.9	3.3	0.0	1	0.0	0.0	1
2024 Site Work	2039	SFBAAB	Employee Auto	11	22	304	0.0	0.3	5.6	0.0	0.0	12.9	3.3	0.0	1	0.0	0.0	1
2022 Structures	2037	SFBAAB	Employee Auto	24	48	662	0.2	1.3	27.2	0.0	0.0	61.3	15.5	0.1	7	0.0	0.0	7
2023 Structures	2038	SFBAAB	Employee Auto	24	48	662	0.2	1.3	26.9	0.0	0.0	61.3	15.5	0.1	7	0.0	0.0	7
2024 Structures	2039	SFBAAB	Employee Auto	24	48	662	0.2	1.2	26.6	0.0	0.0	61.3	15.5	0.1	7	0.0	0.0	7
2022 Site Work	2037	SJVAB	Employee Auto	11	22	304	0.1	0.3	6.0	0.0	0.0	12.9	3.3	0.0	1	0.0	0.0	2
2023 Site Work	2038	SJVAB	Employee Auto	11	22	304	0.1	0.3	5.9	0.0	0.0	12.9	3.3	0.0	1	0.0	0.0	1
2024 Site Work	2039	SJVAB	Employee Auto	11	22	304	0.1	0.3	5.8	0.0	0.0	12.9	3.3	0.0	1	0.0	0.0	1
2022 Structures	2037	SJVAB	Employee Auto	24	48	662	0.2	1.3	28.3	0.0	0.0	61.3	15.5	0.1	7	0.0	0.0	7
2023 Structures	2038	SJVAB	Employee Auto	24	48	662	0.2	1.3	27.9	0.0	0.0	61.3	15.5	0.1	7	0.0	0.0	7
2024 Structures	2039	SJVAB	Employee Auto	24	48	662	0.2	1.3	27.6	0.0	0.0	61.3	15.5	0.1	7	0.0	0.0	7

Onsite Onroad Calculations Onsite

Activity	Year	Air Basin	Vehicle	Trucks	RT Mi/ Truck	Pounds per day								Metric tons per day			
						ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e
Site Work	2037	SFBAAB	Water Truck	1	18	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.0	0	0.0	0.0	0
Site Work	2037	SFBAAB	Dump Truck	4	9	0.0	1.0	0.2	0.0	0.0	0.4	0.0	0.0	0	0.0	0.0	0
						0.0	1.2	0.2	0.0	0.0	0.7	0.1	0.0	0	0.0	0.0	0
Site Work	2038	SFBAAB	Water Truck	1	18	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.0	0	0.0	0.0	0
Site Work	2038	SFBAAB	Dump Truck	4	9	0.0	1.0	0.2	0.0	0.0	0.4	0.0	0.0	0	0.0	0.0	0
						0.0	1.2	0.2	0.0	0.0	0.7	0.1	0.0	0	0.0	0.0	0
Site Work	2039	SFBAAB	Water Truck	1	18	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.0	0	0.0	0.0	0
Site Work	2039	SFBAAB	Dump Truck	4	9	0.0	1.0	0.2	0.0	0.0	0.4	0.0	0.0	0	0.0	0.0	0
						0.0	1.2	0.2	0.0	0.0	0.7	0.1	0.0	0	0.0	0.0	0
Structures	2037	SFBAAB	Water Truck	1	8	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0	0.0	0.0	0
Structures	2037	SFBAAB	Flat Bed Truck	1	8	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0	0.0	0.0	0
Structures	2037	SFBAAB	Pickup	3	11	0.0	0.0	0.1	0.0	0.0	0.4	0.0	0.0	0	0.0	0.0	0
Structures	2037	SFBAAB	Concrete Truck	5	5	0.0	0.4	0.0	0.0	0.0	0.3	0.0	0.0	0	0.0	0.0	0
						0.0	0.8	0.2	0.0	0.0	0.9	0.1	0.0	0	0.0	0.0	0
Structures	2038	SFBAAB	Water Truck	1	8	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0	0.0	0.0	0
Structures	2038	SFBAAB	Flat Bed Truck	1	8	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0	0.0	0.0	0
Structures	2038	SFBAAB	Pickup	3	11	0.0	0.0	0.1	0.0	0.0	0.4	0.0	0.0	0	0.0	0.0	0
Structures	2038	SFBAAB	Concrete Truck	5	5	0.0	0.4	0.0	0.0	0.0	0.3	0.0	0.0	0	0.0	0.0	0
						0.0	0.8	0.2	0.0	0.0	0.9	0.1	0.0	0	0.0	0.0	0
Structures	2039	SFBAAB	Water Truck	1	8	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0	0.0	0.0	0
Structures	2039	SFBAAB	Flat Bed Truck	1	8	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0	0.0	0.0	0
Structures	2039	SFBAAB	Pickup	3	11	0.0	0.0	0.1	0.0	0.0	0.4	0.0	0.0	0	0.0	0.0	0
Structures	2039	SFBAAB	Concrete Truck	5	5	0.0	0.4	0.0	0.0	0.0	0.3	0.0	0.0	0	0.0	0.0	0
						0.0	0.8	0.2	0.0	0.0	0.9	0.1	0.0	0	0.0	0.0	0
Site Work	2037	SJVAB	Water Truck	1	18	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.0	0	0.0	0.0	0
Site Work	2037	SJVAB	Dump Truck	4	9	0.0	1.0	0.2	0.0	0.0	0.4	0.0	0.0	0	0.0	0.0	0
						0.0	1.3	0.2	0.0	0.0	0.7	0.1	0.0	0	0.0	0.0	0
Site Work	2038	SJVAB	Water Truck	1	18	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.0	0	0.0	0.0	0
Site Work	2038	SJVAB	Dump Truck	4	9	0.0	1.0	0.2	0.0	0.0	0.4	0.0	0.0	0	0.0	0.0	0
						0.0	1.3	0.2	0.0	0.0	0.7	0.1	0.0	0	0.0	0.0	0
Site Work	2039	SJVAB	Water Truck	1	18	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.0	0	0.0	0.0	0
Site Work	2039	SJVAB	Dump Truck	4	9	0.0	1.0	0.2	0.0	0.0	0.4	0.0	0.0	0	0.0	0.0	0
						0.0	1.3	0.2	0.0	0.0	0.7	0.1	0.0	0	0.0	0.0	0
Structures	2037	SJVAB	Water Truck	1	8	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0	0.0	0.0	0
Structures	2037	SJVAB	Flat Bed Truck	1	8	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0	0.0	0.0	0
Structures	2037	SJVAB	Pickup	3	11	0.0	0.0	0.1	0.0	0.0	0.4	0.0	0.0	0	0.0	0.0	0
Structures	2037	SJVAB	Concrete Truck	5	5	0.0	0.5	0.1	0.0	0.0	0.3	0.0	0.0	0	0.0	0.0	0
						0.0	0.8	0.2	0.0	0.0	0.9	0.1	0.0	0	0.0	0.0	0
Structures	2038	SJVAB	Water Truck	1	8	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0	0.0	0.0	0
Structures	2038	SJVAB	Flat Bed Truck	1	8	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0	0.0	0.0	0
Structures	2038	SJVAB	Pickup	3	11	0.0	0.0	0.1	0.0	0.0	0.4	0.0	0.0	0	0.0	0.0	0
Structures	2038	SJVAB	Concrete Truck	5	5	0.0	0.5	0.1	0.0	0.0	0.3	0.0	0.0	0	0.0	0.0	0
						0.0	0.8	0.2	0.0	0.0	0.9	0.1	0.0	0	0.0	0.0	0
Structures	2039	SJVAB	Water Truck	1	8	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0	0.0	0.0	0
Structures	2039	SJVAB	Flat Bed Truck	1	8	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0	0.0	0.0	0
Structures	2039	SJVAB	Pickup	3	11	0.0	0.0	0.1	0.0	0.0	0.4	0.0	0.0	0	0.0	0.0	0
Structures	2039	SJVAB	Concrete Truck	5	5	0.0	0.5	0.1	0.0	0.0	0.3	0.0	0.0	0	0.0	0.0	0
						0.0	0.8	0.2	0.0	0.0	0.9	0.1	0.0	0	0.0	0.0	0

Offsite Onroad Calculations Offsite

Activity	Year	Air Basin	Vehicle	Trucks	RT Mi/ Truck	Pounds per day								Metric tons per day			
						ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e
Site Work	2037	SFBAAB	Water Truck	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
Site Work	2037	SFBAAB	Dump Truck	4	63	0.0	1.9	0.3	0.0	0.0	1.7	0.4	0.0	0	0.0	0.0	0
						0.0	1.9	0.3	0.0	0.0	1.7	0.4	0.0	0	0.0	0.0	0
Site Work	2038	SFBAAB	Water Truck	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
Site Work	2038	SFBAAB	Dump Truck	4	63	0.0	1.9	0.3	0.0	0.0	1.7	0.4	0.0	0	0.0	0.0	0
						0.0	1.9	0.3	0.0	0.0	1.7	0.4	0.0	0	0.0	0.0	0
Site Work	2039	SFBAAB	Water Truck	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
Site Work	2039	SFBAAB	Dump Truck	4	63	0.0	1.9	0.3	0.0	0.0	1.7	0.4	0.0	0	0.0	0.0	0
						0.0	1.9	0.3	0.0	0.0	1.7	0.4	0.0	0	0.0	0.0	0
Structures	2037	SFBAAB	Water Truck	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
Structures	2037	SFBAAB	Flat Bed Truck	1	18	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0	0.0	0.0	0
Structures	2037	SFBAAB	Pickup	3	74	0.0	0.0	0.2	0.0	0.0	1.5	0.4	0.0	0	0.0	0.0	0
Structures	2037	SFBAAB	Concrete Truck	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
						0.0	0.0	0.2	0.0	0.0	1.6	0.4	0.0	0	0.0	0.0	0
Structures	2038	SFBAAB	Water Truck	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
Structures	2038	SFBAAB	Flat Bed Truck	1	18	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0	0.0	0.0	0
Structures	2038	SFBAAB	Pickup	3	74	0.0	0.0	0.2	0.0	0.0	1.5	0.4	0.0	0	0.0	0.0	0
Structures	2038	SFBAAB	Concrete Truck	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
						0.0	0.0	0.2	0.0	0.0	1.6	0.4	0.0	0	0.0	0.0	0
Structures	2039	SFBAAB	Water Truck	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
Structures	2039	SFBAAB	Flat Bed Truck	1	18	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0	0.0	0.0	0
Structures	2039	SFBAAB	Pickup	3	74	0.0	0.0	0.2	0.0	0.0	1.5	0.4	0.0	0	0.0	0.0	0
Structures	2039	SFBAAB	Concrete Truck	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
						0.0	0.0	0.2	0.0	0.0	1.6	0.4	0.0	0	0.0	0.0	0
Site Work	2037	SJVAB	Water Truck	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
Site Work	2037	SJVAB	Dump Truck	4	63	0.0	1.9	0.3	0.0	0.0	1.7	0.4	0.0	0	0.0	0.0	0
						0.0	1.9	0.3	0.0	0.0	1.7	0.4	0.0	0	0.0	0.0	0
Site Work	2038	SJVAB	Water Truck	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
Site Work	2038	SJVAB	Dump Truck	4	63	0.0	1.9	0.3	0.0	0.0	1.7	0.4	0.0	0	0.0	0.0	0
						0.0	1.9	0.3	0.0	0.0	1.7	0.4	0.0	0	0.0	0.0	0
Site Work	2039	SJVAB	Water Truck	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
Site Work	2039	SJVAB	Dump Truck	4	63	0.0	1.9	0.3	0.0	0.0	1.7	0.4	0.0	0	0.0	0.0	0
						0.0	1.9	0.3	0.0	0.0	1.7	0.4	0.0	0	0.0	0.0	0
Structures	2037	SJVAB	Water Truck	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
Structures	2037	SJVAB	Flat Bed Truck	1	18	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0	0.0	0.0	0
Structures	2037	SJVAB	Pickup	3	74	0.0	0.0	0.2	0.0	0.0	1.5	0.4	0.0	0	0.0	0.0	0
Structures	2037	SJVAB	Concrete Truck	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
						0.0	0.0	0.2	0.0	0.0	1.6	0.4	0.0	0	0.0	0.0	0
Structures	2038	SJVAB	Water Truck	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
Structures	2038	SJVAB	Flat Bed Truck	1	18	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0	0.0	0.0	0
Structures	2038	SJVAB	Pickup	3	74	0.0	0.0	0.2	0.0	0.0	1.5	0.4	0.0	0	0.0	0.0	0
Structures	2038	SJVAB	Concrete Truck	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
						0.0	0.0	0.2	0.0	0.0	1.6	0.4	0.0	0	0.0	0.0	0
Structures	2039	SJVAB	Water Truck	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
Structures	2039	SJVAB	Flat Bed Truck	1	18	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0	0.0	0.0	0
Structures	2039	SJVAB	Pickup	3	74	0.0	0.0	0.2	0.0	0.0	1.5	0.4	0.0	0	0.0	0.0	0
Structures	2039	SJVAB	Concrete Truck	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
						0.0	0.0	0.2	0.0	0.0	1.6	0.4	0.0	0	0.0	0.0	0

Earth Moving Calculations Location Onsite

Code	Days	Grading (acres)	Cut/fill (cy)	Dozing (hour/day)	Emission Factor						Pounds per day	
					PM10 G (lb/acre)	PM2.5 G (lb/acre)	PM10 C/F (lb/ton)	PM2.5 C/F (lb/ton)	PM10 Doz (lb/hr)	PM2.5 Doz (lb/hr)	PM10 D	PM2.5 D
Isabel Expansion												
Isabel ExpansionSW	151	9.0	13,500	9	0.4	0.0447	0.0001	0.0000	0.8	0.4	6.4	3.5
Isabel ExpansionStr	101				0.4	0.0447	0.0001	0.0000	0.8	0.4	0.0	0.0
Southfront Road Alt Expansion												
Southfront Road Alt ExpansionSW	84	3.0	3,000	9	0.4	0.0447	0.0001	0.0000	0.8	0.4	6.4	3.5
Southfront Road Alt ExpansionStr	0				0.4	0.0447	0.0001	0.0000	0.8	0.4		
Greenville Expansion												
Greenville ExpansionSW	84	3.0	2,000	9	0.4	0.0447	0.0001	0.0000	0.8	0.4	6.4	3.5
Greenville ExpansionStr	0				0.4	0.0447	0.0001	0.0000	0.8	0.4		
Mountain House Expansion												
Mountain House ExpansionSW	84	2.0	4,000	9	0.4	0.0447	0.0001	0.0000	0.8	0.4	6.4	3.5
Mountain House ExpansionStr	0				0.4	0.0447	0.0001	0.0000	0.8	0.4		
Mountain House Alt Expansion												
Mountain House Alt ExpansionSW	84	2.0	4,000	9	0.4	0.0447	0.0001	0.0000	0.8	0.4	6.4	3.5
Mountain House Alt ExpansionStr	0				0.4	0.0447	0.0001	0.0000	0.8	0.4		
Downtown Tracy Expansion												
Downtown Tracy ExpansionSW	151	9.0	24,000	9	0.4	0.0447	0.0001	0.0000	0.8	0.4	6.5	3.5
Downtown Tracy ExpansionStr	101				0.4	0.0447	0.0001	0.0000	0.8	0.4	0.0	0.0
River Islands Expansion												
River Islands ExpansionSW	84	3.0	4,000	9	0.4	0.0447	0.0001	0.0000	0.8	0.4	6.4	3.5
River Islands ExpansionStr	0				0.4	0.0447	0.0001	0.0000	0.8	0.4		
North Lathrop Expansion												
North Lathrop ExpansionSW	84	20.0	32,000	9	0.4	0.0447	0.0001	0.0000	0.8	0.4	6.6	3.5
North Lathrop ExpansionStr	0				0.4	0.0447	0.0001	0.0000	0.8	0.4		

Paving Calculations Location Onsite

Code	Days	Paved (sf)	Emission Factor ROG (lbs per acre)	Pounds ROG
Isabel Expansion				
Isabel ExpansionSW	151	200,000	2.6	0.1
Isabel ExpansionStr	101	0	2.6	0.0
Southfront Road Alt Expansion				
Southfront Road Alt ExpansionSW	84	140,000	2.6	0.1
Southfront Road Alt ExpansionStr	0	0	2.6	
Greenville Expansion				
Greenville ExpansionSW	84	117,000	2.6	0.1
Greenville ExpansionStr	0	0	2.6	
Mountain House Expansion				
Mountain House ExpansionSW	84	105,000	2.6	0.1
Mountain House ExpansionStr	0	0	2.6	
Mountain House Alt Expansion				
Mountain House Alt ExpansionSW	84	105,000	2.6	0.1
Mountain House Alt ExpansionStr	0	0	2.6	
Downtown Tracy Expansion				
Downtown Tracy ExpansionSW	151	0	2.6	0.0
Downtown Tracy ExpansionStr	101	0	2.6	0.0
River Islands Expansion				
River Islands ExpansionSW	84	130,000	2.6	0.1
River Islands ExpansionStr	0	0	2.6	
North Lathrop Expansion				
North Lathrop ExpansionSW	84	175,000	2.6	0.1
North Lathrop ExpansionStr	0	0	2.6	

Demolition Calculations Location Onsite

Code	Days	Demo (ton)	Emission Factor		Pounds per day	
			PM10 G (lb/ton)	PM2.5 G (lb/ton)	PM10 D	PM2.5 D
Isabel Expansion						
Isabel ExpansionSW	151	7,585	0.022	0.003	1.1	0.2
Isabel ExpansionStr	101		0.022	0.003	0.0	0.0
Southfront Road Alt Expansion						
Southfront Road Alt ExpansionSW	84		0.022	0.003	0.0	0.0
Southfront Road Alt ExpansionStr	0		0.022	0.003	0.0	0.0
Greenville Expansion						
Greenville ExpansionSW	84		0.022	0.003	0.0	0.0
Greenville ExpansionStr	0		0.022	0.003	0.0	0.0
Mountain House Expansion						
Mountain House ExpansionSW	84		0.022	0.003	0.0	0.0
Mountain House ExpansionStr	0		0.022	0.003	0.0	0.0
Mountain House Alt Expansion						
Mountain House Alt ExpansionSW	84		0.022	0.003	0.0	0.0
Mountain House Alt ExpansionStr	0		0.022	0.003	0.0	0.0
Downtown Tracy Expansion						
Downtown Tracy ExpansionSW	151	2,275	0.022	0.003	0.3	0.1
Downtown Tracy ExpansionStr	101		0.022	0.003	0.0	0.0
River Islands Expansion						
River Islands ExpansionSW	84		0.022	0.003	0.0	0.0
River Islands ExpansionStr	0		0.022	0.003	0.0	0.0
North Lathrop Expansion						
North Lathrop ExpansionSW	84		0.022	0.003	0.0	0.0
North Lathrop ExpansionStr	0		0.022	0.003	0.0	0.0

Coating Calculations Location Onsite

Code	Days	SF Coated	Emission Factor ROG (lb/sf)	Pounds ROG
Isabel Expansion				
Isabel ExpansionSW	151		0.007	
Isabel ExpansionStr	101	31,800	0.007	2.2
Southfront Road Alt Expansion				
Southfront Road Alt ExpansionSW	84	8,400	0.007	0.7
Southfront Road Alt ExpansionStr	0		0.007	
Greenville Expansion				
Greenville ExpansionSW	84	7,020	0.007	0.6
Greenville ExpansionStr	0		0.007	
Mountain House Expansion				
Mountain House ExpansionSW	84	6,300	0.007	0.5
Mountain House ExpansionStr	0		0.007	
Mountain House Alt Expansion				
Mountain House Alt ExpansionSW	84	6,300	0.007	0.5
Mountain House Alt ExpansionStr	0		0.007	
Downtown Tracy Expansion				
Downtown Tracy ExpansionSW	151		0.007	
Downtown Tracy ExpansionStr	101	24,300	0.007	1.7
River Islands Expansion				
River Islands ExpansionSW	84	7,800	0.007	0.6
River Islands ExpansionStr	0		0.007	
North Lathrop Expansion				
North Lathrop ExpansionSW	84	46,500	0.007	3.8
North Lathrop ExpansionStr	0		0.007	

Construction HRA

AERMOD output files

HARP input files

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.9.0
** Lakes Environmental Software Inc.
** Date: 7/22/2020
** File: C:\Lakes\AERMOD View\Valley Link_Dublin_DPM\Valley Link_Dublin_DPM.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\Valley Link_Dublin_DPM\Valley Link_Dublin_DPM.i
   MODELOPT CONC FASTAREA
   AVERTIME ANNUAL
   URBANOPT 1671000 Alameda_County_pop
   POLLUTID DPM
   FLAGPOLE 1.20
   RUNORNOT RUN
   ERRORFIL "Valley Link_Dublin_DPM.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION TRACK0_2     AREAPOLY   600025.023  4173327.090      106.000
** DESCRSRC West Track Area 0-2 DPM
   LOCATION TRACK2_9     AREAPOLY   600025.023  4173327.090      106.000
** DESCRSRC West Track Area 2-9 DPM
   LOCATION STATION0_2   AREAPOLY   597561.882  4173320.605      102.000
** DESCRSRC Dublin Station_0-2
   LOCATION STATION2+    AREAPOLY   597561.880  4173320.600      102.000
** DESCRSRC Dublin Station_2-9
** Source Parameters **
   SRCPARAM TRACK0_2     4.7672E-08     3.000        12     0.700
   AREAVERT TRACK0_2     600025.023 4173327.090 600813.579 4173328.922
   AREAVERT TRACK0_2     601084.938 4173335.358 601387.260 4173341.586
   AREAVERT TRACK0_2     601418.621 4173270.978 601304.682 4173265.568
   AREAVERT TRACK0_2     601028.944 4173259.275 600760.915 4173261.128
   AREAVERT TRACK0_2     600524.804 4173262.298 599889.441 4173259.723
   AREAVERT TRACK0_2     599443.099 4173245.530 599444.392 4173328.806
   SRCPARAM TRACK2_9     5.4245E-09     3.000        12     0.700
   AREAVERT TRACK2_9     600025.023 4173327.090 600813.579 4173328.922
   AREAVERT TRACK2_9     601084.938 4173335.358 601387.260 4173341.586
   AREAVERT TRACK2_9     601418.621 4173270.978 601304.682 4173265.568
   AREAVERT TRACK2_9     601028.944 4173259.275 600760.915 4173261.128
   AREAVERT TRACK2_9     600524.804 4173262.298 599889.441 4173259.723
   AREAVERT TRACK2_9     599443.099 4173245.530 599444.392 4173328.806
   SRCPARAM STATION0_2   9.403E-09     3.000         5     0.700
   AREAVERT STATION0_2   597561.882 4173320.605 597117.614 4173334.335
   AREAVERT STATION0_2   596813.767 4173326.662 596813.767 4173280.625
   AREAVERT STATION0_2   597558.993 4173279.671
```

```
   SRCPARAM STATION2+    2.0958E-09     3.000         5     0.700
   AREAVERT STATION2+    597561.880 4173320.600 597117.610 4173334.330
   AREAVERT STATION2+    596813.770 4173326.660 596813.770 4173280.620
   AREAVERT STATION2+    597558.990 4173279.670
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "DaytimeMet"
** WeekDays:
   EMISFACT TRACK0_2     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK0_2     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK0_2     HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT TRACK0_2     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT TRACK0_2     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK0_2     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK0_2     HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT TRACK0_2     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT TRACK0_2     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK0_2     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK0_2     HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT TRACK0_2     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT TRACK2_9     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK2_9     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK2_9     HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT TRACK2_9     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT TRACK2_9     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK2_9     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK2_9     HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT TRACK2_9     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT TRACK2_9     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK2_9     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK2_9     HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT TRACK2_9     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT STATION0_2   HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STATION0_2   HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STATION0_2   HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT STATION0_2   HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT STATION0_2   HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STATION0_2   HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STATION0_2   HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT STATION0_2   HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT STATION0_2   HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STATION0_2   HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STATION0_2   HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT STATION0_2   HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT STATION2+    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STATION2+    HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STATION2+    HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT STATION2+    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT STATION2+    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STATION2+    HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STATION2+    HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT STATION2+    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
** Sunday:
   EMISFACT STATION2+    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STATION2+    HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STATION2+    HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT STATION2+    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP Track0-2 TRACK0_2
   SRCGROUP Track2-9 TRACK2_9
   SRCGROUP Stat0-2  STATION0_2
   SRCGROUP Stat2-9  STATION2+
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "Valley Link_Dublin_DPM.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE 724927.SFC
   PROFFILE 724927.PFL
   SURFDATA 23285 2009
   UAIRDATA 23230 2009 OAKLAND/WSO_AP
   PROFBASE 119.8 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE ANNUAL ALL "VALLEY LINK_DUBLIN_DPM.AD\AN00GALL.PLT" 31
   PLOTFILE ANNUAL Track0-2 "VALLEY LINK_DUBLIN_DPM.AD\AN00G001.PLT" 32
   PLOTFILE ANNUAL Track2-9 "VALLEY LINK_DUBLIN_DPM.AD\AN00G002.PLT" 33
   PLOTFILE ANNUAL Stat0-2 "VALLEY LINK_DUBLIN_DPM.AD\AN00G003.PLT" 34
   PLOTFILE ANNUAL Stat2-9 "VALLEY LINK_DUBLIN_DPM.AD\AN00G004.PLT" 35
   SUMMFILE "Valley Link_Dublin_DPM.sum"
OU FINISHED

 ***********************************
 *** SETUP Finishes Successfully ***
 ***********************************
```

```
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Valley Link_Dublin_DPM\Valley
Link_Dublin_DPM.i ***        07/22/20
 *** AERMET - VERSION  14134 ***   ***
***        13:10:07

PAGE   1
 *** MODELOPTs:    NonDFAULT  CONC  ELEV  FLGPOL  FASTAREA  URBAN

                                            ***     MODEL SETUP OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for     4 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   1671000.0 ;  Urban Roughness Length =  1.000 m

 **Model Allows User-Specified Options:
         1. Stack-tip Downwash.
         2. Model Accounts for ELEVated Terrain Effects.
         3. Use Calms Processing Routine.
         4. Use Missing Data Processing Routine.
         5. No Exponential Decay.
         6. Urban Roughness Length of 1.0 Meter Used.

 **Other Options Specified:
         FASTAREA - Use hybrid approach to optimize AREA sources;
                    also applies to LINE sources (formerly TOXICS option)
         CCVR_Sub - Meteorological data includes CCVR substitutions
         TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Accepts FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  DPM

 **Model Calculates ANNUAL Averages Only

 **This Run Includes:      4 Source(s);       5 Source Group(s); and     379 Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:      0 VOLUME source(s)
                 and:      4 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with      0 line(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  14134

 **Output Options Selected:
          Model Outputs Tables of ANNUAL Averages by Receptor
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
```

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 119.80 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.6 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: Valley Link_Dublin_DPM.err
**File for Summary of Results: Valley Link_Dublin_DPM.sum

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	SZ INIT. (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
TRACK0_2	0	0.47672E-07	600025.0	4173327.1	106.0	3.00	12	0.70	YES	HRDOW
TRACK2_9	0	0.54245E-08	600025.0	4173327.1	106.0	3.00	12	0.70	YES	HRDOW
STATION0_2	0	0.94030E-08	597561.9	4173320.6	102.0	3.00	5	0.70	YES	HRDOW
STATION2+	0	0.20958E-08	597561.9	4173320.6	102.0	3.00	5	0.70	YES	HRDOW

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
TRACK0-2	TRACK0_2 ,
TRACK2-9	TRACK2_9 ,
STAT0-2	STATION0_2 ,
STAT2-9	STATION2+ ,
ALL	TRACK0_2 , TRACK2_9 , STATION0_2 , STATION2+ ,

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	1671000.	TRACK0_2 , TRACK2_9 , STATION0_2 , STATION2+ ,

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = TRACK0_2 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = TRACK2_9 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = STATION0_2 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = STATION2+ ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(599489.7, 4172912.5, 105.0, 105.0, 1.2); (599539.7, 4172912.5, 105.0, 105.0, 1.2);
(599589.7, 4172912.5, 105.0, 105.0, 1.2); (599639.7, 4172912.5, 105.0, 105.0, 1.2);
(599689.7, 4172912.5, 105.0, 105.0, 1.2); (599739.7, 4172912.5, 105.0, 105.0, 1.2);
(599789.7, 4172912.5, 105.0, 105.0, 1.2); (599839.7, 4172912.5, 105.0, 105.0, 1.2);
(599889.7, 4172912.5, 105.0, 105.0, 1.2); (599939.7, 4172912.5, 105.0, 105.0, 1.2);
(599989.7, 4172912.5, 105.0, 105.0, 1.2); (600039.7, 4172912.5, 105.0, 105.0, 1.2);
(600089.7, 4172912.5, 105.0, 105.0, 1.2); (600139.7, 4172912.5, 105.0, 105.0, 1.2);
(600189.7, 4172912.5, 105.0, 105.0, 1.2); (600239.7, 4172912.5, 105.0, 105.0, 1.2);
(600289.7, 4172912.5, 105.0, 105.0, 1.2); (600339.7, 4172912.5, 105.0, 105.0, 1.2);
(600389.7, 4172912.5, 105.0, 105.0, 1.2); (600439.7, 4172912.5, 105.0, 105.0, 1.2);
(600489.7, 4172912.5, 105.0, 105.0, 1.2); (600539.7, 4172912.5, 105.0, 105.0, 1.2);
(600589.7, 4172912.5, 105.0, 105.0, 1.2); (600639.7, 4172912.5, 105.0, 105.0, 1.2);
(600689.7, 4172912.5, 105.0, 105.0, 1.2); (600739.7, 4172912.5, 105.4, 105.4, 1.2);
(600789.7, 4172912.5, 106.0, 106.0, 1.2); (600839.7, 4172912.5, 106.0, 106.0, 1.2);
(600889.7, 4172912.5, 106.0, 106.0, 1.2); (600939.7, 4172912.5, 106.5, 106.5, 1.2);
(600989.7, 4172912.5, 107.0, 107.0, 1.2); (601039.7, 4172912.5, 106.1, 106.1, 1.2);
(599489.7, 4172962.5, 105.0, 105.0, 1.2); (599539.7, 4172962.5, 105.0, 105.0, 1.2);
(599589.7, 4172962.5, 105.2, 105.2, 1.2); (599639.7, 4172962.5, 105.2, 105.2, 1.2);
(599689.7, 4172962.5, 105.2, 105.2, 1.2); (599739.7, 4172962.5, 105.0, 105.0, 1.2);
(599789.7, 4172962.5, 105.0, 105.0, 1.2); (599839.7, 4172962.5, 105.0, 105.0, 1.2);
(599889.7, 4172962.5, 105.0, 105.0, 1.2); (599939.7, 4172962.5, 105.0, 105.0, 1.2);
(599989.7, 4172962.5, 105.0, 105.0, 1.2); (600039.7, 4172962.5, 105.0, 105.0, 1.2);
(600089.7, 4172962.5, 105.0, 105.0, 1.2); (600139.7, 4172962.5, 105.0, 105.0, 1.2);
(600189.7, 4172962.5, 105.0, 105.0, 1.2); (600239.7, 4172962.5, 105.0, 105.0, 1.2);
(600289.7, 4172962.5, 105.0, 105.0, 1.2); (600339.7, 4172962.5, 105.2, 105.2, 1.2);
(600389.7, 4172962.5, 105.2, 105.2, 1.2); (600439.7,

```
4172962.5,     105.0,     105.0,       1.2);
     ( 600489.7, 4172962.5,     105.0,     105.0,       1.2);         ( 600539.7,
4172962.5,     105.0,     105.0,       1.2);
     ( 600589.7, 4172962.5,     105.2,     105.2,       1.2);         ( 600639.7,
4172962.5,     105.0,     105.0,       1.2);
     ( 600689.7, 4172962.5,     105.0,     105.0,       1.2);         ( 600739.7,
4172962.5,     105.2,     105.2,       1.2);
     ( 600789.7, 4172962.5,     106.0,     106.0,       1.2);         ( 600839.7,
4172962.5,     106.0,     106.0,       1.2);
     ( 600889.7, 4172962.5,     106.0,     106.0,       1.2);         ( 600939.7,
4172962.5,     106.0,     106.0,       1.2);
     ( 600989.7, 4172962.5,     107.0,     107.0,       1.2);         ( 601039.7,
4172962.5,     107.0,     107.0,       1.2);
     ( 599539.7, 4173012.5,     105.9,     105.9,       1.2);         ( 599589.7,
4173012.5,     106.0,     106.0,       1.2);
     ( 599639.7, 4173012.5,     106.0,     106.0,       1.2);         ( 599689.7,
4173012.5,     106.0,     106.0,       1.2);
     ( 599739.7, 4173012.5,     105.9,     105.9,       1.2);         ( 599789.7,
4173012.5,     105.7,     105.7,       1.2);
     ( 599839.7, 4173012.5,     105.0,     105.0,       1.2);         ( 599889.7,
4173012.5,     105.0,     105.0,       1.2);
     ( 599939.7, 4173012.5,     105.0,     105.0,       1.2);         ( 599989.7,
4173012.5,     105.0,     105.0,       1.2);
     ( 600039.7, 4173012.5,     105.0,     105.0,       1.2);         ( 600089.7,
4173012.5,     105.0,     105.0,       1.2);
     ( 600139.7, 4173012.5,     105.0,     105.0,       1.2);         ( 600189.7,
4173012.5,     105.0,     105.0,       1.2);
     ( 600239.7, 4173012.5,     105.0,     105.0,       1.2);         ( 600289.7,
4173012.5,     105.0,     105.0,       1.2);
     ( 600339.7, 4173012.5,     106.0,     106.0,       1.2);         ( 600389.7,
4173012.5,     105.8,     105.8,       1.2);
     ( 600439.7, 4173012.5,     105.0,     105.0,       1.2);         ( 600489.7,
4173012.5,     105.0,     105.0,       1.2);
     ( 600539.7, 4173012.5,     105.0,     105.0,       1.2);         ( 600589.7,
4173012.5,     105.9,     105.9,       1.2);
     ( 600639.7, 4173012.5,     105.9,     105.9,       1.2);         ( 600689.7,
4173012.5,     105.9,     105.9,       1.2);
     ( 600739.7, 4173012.5,     106.0,     106.0,       1.2);         ( 600789.7,
4173012.5,     106.0,     106.0,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(600839.7, 4173012.5, 106.0, 106.0, 1.2); (600889.7, 4173012.5, 106.0, 106.0, 1.2);
(600939.7, 4173012.5, 106.5, 106.5, 1.2); (600989.7, 4173012.5, 107.0, 107.0, 1.2);
(601039.7, 4173012.5, 107.0, 107.0, 1.2); (599589.7, 4173062.5, 106.0, 106.0, 1.2);
(599639.7, 4173062.5, 106.0, 106.0, 1.2); (599689.7, 4173062.5, 106.0, 106.0, 1.2);
(599739.7, 4173062.5, 106.0, 106.0, 1.2); (599789.7, 4173062.5, 106.0, 106.0, 1.2);
(599839.7, 4173062.5, 106.0, 106.0, 1.2); (599889.7, 4173062.5, 105.5, 105.5, 1.2);
(599939.7, 4173062.5, 105.3, 105.3, 1.2); (599989.7, 4173062.5, 105.0, 105.0, 1.2);
(600039.7, 4173062.5, 105.0, 105.0, 1.2); (600089.7, 4173062.5, 105.0, 105.0, 1.2);
(600139.7, 4173062.5, 105.4, 105.4, 1.2); (600189.7, 4173062.5, 105.4, 105.4, 1.2);
(600239.7, 4173062.5, 106.0, 106.0, 1.2); (600289.7, 4173062.5, 105.9, 105.9, 1.2);
(600339.7, 4173062.5, 105.5, 105.5, 1.2); (600389.7, 4173062.5, 105.8, 105.8, 1.2);
(600439.7, 4173062.5, 106.0, 106.0, 1.2); (600489.7, 4173062.5, 106.0, 106.0, 1.2);
(600539.7, 4173062.5, 106.0, 106.0, 1.2); (600589.7, 4173062.5, 106.0, 106.0, 1.2);
(600639.7, 4173062.5, 106.0, 106.0, 1.2); (600689.7, 4173062.5, 106.0, 106.0, 1.2);
(600739.7, 4173062.5, 106.0, 106.0, 1.2); (600789.7, 4173062.5, 106.0, 106.0, 1.2);
(600839.7, 4173062.5, 106.0, 106.0, 1.2); (600889.7, 4173062.5, 106.4, 106.4, 1.2);
(600939.7, 4173062.5, 106.8, 106.8, 1.2); (600989.7, 4173062.5, 107.1, 107.1, 1.2);
(601039.7, 4173062.5, 107.9, 107.9, 1.2); (599689.7, 4173112.5, 106.0, 106.0, 1.2);
(599739.7, 4173112.5, 106.0, 106.0, 1.2); (599789.7, 4173112.5, 106.0, 106.0, 1.2);
(599839.7, 4173112.5, 106.0, 106.0, 1.2); (599889.7, 4173112.5, 106.0, 106.0, 1.2);
(599939.7, 4173112.5, 106.0, 106.0, 1.2); (599989.7, 4173112.5, 106.0, 106.0, 1.2);
(600039.7, 4173112.5, 106.0, 106.0, 1.2); (600089.7, 4173112.5, 106.0, 106.0, 1.2);
(600139.7, 4173112.5, 106.0, 106.0, 1.2); (600189.7, 4173112.5, 106.0, 106.0, 1.2);
(600239.7, 4173112.5, 106.0, 106.0, 1.2); (600289.7, 4173112.5, 106.4, 106.4, 1.2);
(600339.7, 4173112.5, 106.0, 106.0, 1.2); (600389.7, 4173112.5, 106.0, 106.0, 1.2);
(600439.7, 4173112.5, 106.0, 106.0, 1.2); (600489.7,

```
4173112.5,     106.0,     106.0,       1.2);
     ( 600539.7, 4173112.5,     106.0,     106.0,       1.2);         ( 600589.7,
4173112.5,     106.0,     106.0,       1.2);
     ( 600639.7, 4173112.5,     106.0,     106.0,       1.2);         ( 600689.7,
4173112.5,     106.0,     106.0,       1.2);
     ( 600739.7, 4173112.5,     106.0,     106.0,       1.2);         ( 600789.7,
4173112.5,     106.0,     106.0,       1.2);
     ( 600839.7, 4173112.5,     106.0,     106.0,       1.2);         ( 600889.7,
4173112.5,     106.0,     106.0,       1.2);
     ( 600939.7, 4173112.5,     106.5,     106.5,       1.2);         ( 600989.7,
4173112.5,     108.0,     108.0,       1.2);
     ( 601039.7, 4173112.5,     107.1,     107.1,       1.2);         ( 599789.7,
4173162.5,     106.0,     106.0,       1.2);
     ( 599839.7, 4173162.5,     106.0,     106.0,       1.2);         ( 599889.7,
4173162.5,     106.0,     106.0,       1.2);
     ( 599939.7, 4173162.5,     106.0,     106.0,       1.2);         ( 599989.7,
4173162.5,     106.0,     106.0,       1.2);
     ( 600039.7, 4173162.5,     106.0,     106.0,       1.2);         ( 600089.7,
4173162.5,     106.0,     106.0,       1.2);
     ( 600139.7, 4173162.5,     106.0,     106.0,       1.2);         ( 600189.7,
4173162.5,     106.0,     106.0,       1.2);
     ( 600239.7, 4173162.5,     106.0,     106.0,       1.2);         ( 600289.7,
4173162.5,     106.0,     106.0,       1.2);
     ( 600339.7, 4173162.5,     106.5,     106.5,       1.2);         ( 600389.7,
4173162.5,     106.0,     106.0,       1.2);
     ( 600439.7, 4173162.5,     106.0,     106.0,       1.2);         ( 600489.7,
4173162.5,     106.0,     106.0,       1.2);
     ( 600539.7, 4173162.5,     106.0,     106.0,       1.2);         ( 600589.7,
4173162.5,     106.0,     106.0,       1.2);
     ( 600639.7, 4173162.5,     106.0,     106.0,       1.2);         ( 600689.7,
4173162.5,     106.0,     106.0,       1.2);
     ( 600739.7, 4173162.5,     106.0,     106.0,       1.2);         ( 600789.7,
4173162.5,     106.0,     106.0,       1.2);
     ( 600839.7, 4173162.5,     106.0,     106.0,       1.2);         ( 600889.7,
4173162.5,     106.0,     106.0,       1.2);
     ( 600939.7, 4173162.5,     107.0,     107.0,       1.2);         ( 600989.7,
4173162.5,     107.1,     107.1,       1.2);
     ( 601039.7, 4173162.5,     107.0,     107.0,       1.2);         ( 599789.7,
4173212.5,     106.0,     106.0,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(599839.7, 4173212.5, 106.0, 106.0, 1.2); (599889.7, 4173212.5, 106.0, 106.0, 1.2);
(599939.7, 4173212.5, 106.0, 106.0, 1.2); (599989.7, 4173212.5, 106.0, 106.0, 1.2);
(600039.7, 4173212.5, 106.0, 106.0, 1.2); (600089.7, 4173212.5, 106.0, 106.0, 1.2);
(600139.7, 4173212.5, 106.0, 106.0, 1.2); (600189.7, 4173212.5, 106.0, 106.0, 1.2);
(600239.7, 4173212.5, 106.0, 106.0, 1.2); (600289.7, 4173212.5, 106.0, 106.0, 1.2);
(600339.7, 4173212.5, 107.0, 107.0, 1.2); (600389.7, 4173212.5, 106.8, 106.8, 1.2);
(600439.7, 4173212.5, 106.0, 106.0, 1.2); (600489.7, 4173212.5, 106.0, 106.0, 1.2);
(600539.7, 4173212.5, 106.0, 106.0, 1.2); (600589.7, 4173212.5, 106.0, 106.0, 1.2);
(600639.7, 4173212.5, 106.0, 106.0, 1.2); (600689.7, 4173212.5, 106.0, 106.0, 1.2);
(600739.7, 4173212.5, 106.0, 106.0, 1.2); (600789.7, 4173212.5, 106.0, 106.0, 1.2);
(600839.7, 4173212.5, 106.1, 106.1, 1.2); (600889.7, 4173212.5, 106.9, 106.9, 1.2);
(600939.7, 4173212.5, 107.0, 107.0, 1.2); (600989.7, 4173212.5, 107.0, 107.0, 1.2);
(601039.7, 4173212.5, 107.0, 107.0, 1.2); (600039.7, 4173362.5, 106.0, 106.0, 1.2);
(600089.7, 4173362.5, 106.1, 106.1, 1.2); (600139.7, 4173362.5, 106.5, 106.5, 1.2);
(600189.7, 4173362.5, 106.3, 106.3, 1.2); (600239.7, 4173362.5, 106.1, 106.1, 1.2);
(600289.7, 4173362.5, 106.5, 106.5, 1.2); (600039.7, 4173412.5, 106.6, 106.6, 1.2);
(600089.7, 4173412.5, 107.0, 107.0, 1.2); (600139.7, 4173412.5, 107.0, 107.0, 1.2);
(600189.7, 4173412.5, 107.0, 107.0, 1.2); (600239.7, 4173412.5, 107.0, 107.0, 1.2);
(600289.7, 4173412.5, 107.0, 107.0, 1.2); (600039.7, 4173462.5, 107.0, 107.0, 1.2);
(600089.7, 4173462.5, 107.0, 107.0, 1.2); (600139.7, 4173462.5, 107.0, 107.0, 1.2);
(600189.7, 4173462.5, 107.0, 107.0, 1.2); (600239.7, 4173462.5, 107.0, 107.0, 1.2);
(600289.7, 4173462.5, 107.0, 107.0, 1.2); (600039.7, 4173512.5, 107.0, 107.0, 1.2);
(600089.7, 4173512.5, 107.0, 107.0, 1.2); (600139.7, 4173512.5, 107.0, 107.0, 1.2);
(600189.7, 4173512.5, 107.0, 107.0, 1.2); (600239.7, 4173512.5, 107.0, 107.0, 1.2);
(600289.7, 4173512.5, 107.0, 107.0, 1.2); (600039.7, 4173562.5, 107.0, 107.0, 1.2);
(600089.7, 4173562.5, 107.0, 107.0, 1.2); (600139.7,

```
4173562.5,     107.0,     107.0,       1.2);
     ( 600189.7, 4173562.5,     107.0,     107.0,       1.2);         ( 600239.7,
4173562.5,     107.0,     107.0,       1.2);
     ( 600289.7, 4173562.5,     107.0,     107.0,       1.2);         ( 600039.7,
4173612.5,     107.0,     107.0,       1.2);
     ( 600089.7, 4173612.5,     107.0,     107.0,       1.2);         ( 600139.7,
4173612.5,     107.0,     107.0,       1.2);
     ( 600189.7, 4173612.5,     107.0,     107.0,       1.2);         ( 600239.7,
4173612.5,     107.2,     107.2,       1.2);
     ( 600289.7, 4173612.5,     107.9,     107.9,       1.2);         ( 600039.7,
4173662.5,     107.5,     107.5,       1.2);
     ( 600089.7, 4173662.5,     107.5,     107.5,       1.2);         ( 600139.7,
4173662.5,     107.5,     107.5,       1.2);
     ( 600189.7, 4173662.5,     107.8,     107.8,       1.2);         ( 600239.7,
4173662.5,     108.0,     108.0,       1.2);
     ( 600289.7, 4173662.5,     108.0,     108.0,       1.2);         ( 600189.7,
4173712.5,     108.0,     108.0,       1.2);
     ( 600239.7, 4173712.5,     108.0,     108.0,       1.2);         ( 600289.7,
4173712.5,     108.0,     108.0,       1.2);
     ( 600339.7, 4173712.5,     108.2,     108.2,       1.2);         ( 600389.7,
4173712.5,     109.0,     109.0,       1.2);
     ( 600439.7, 4173712.5,     108.1,     108.1,       1.2);         ( 600489.7,
4173712.5,     108.0,     108.0,       1.2);
     ( 600539.7, 4173712.5,     108.2,     108.2,       1.2);         ( 600589.7,
4173712.5,     108.0,     108.0,       1.2);
     ( 600639.7, 4173712.5,     108.0,     108.0,       1.2);         ( 600689.7,
4173712.5,     108.0,     108.0,       1.2);
     ( 600739.7, 4173712.5,     108.0,     108.0,       1.2);         ( 600789.7,
4173712.5,     108.0,     108.0,       1.2);
     ( 600839.7, 4173712.5,     108.0,     108.0,       1.2);         ( 600189.7,
4173762.5,     108.0,     108.0,       1.2);
     ( 600239.7, 4173762.5,     108.0,     108.0,       1.2);         ( 600289.7,
4173762.5,     108.0,     108.0,       1.2);
     ( 600339.7, 4173762.5,     109.0,     109.0,       1.2);         ( 600389.7,
4173762.5,     108.8,     108.8,       1.2);
     ( 600439.7, 4173762.5,     108.0,     108.0,       1.2);         ( 600489.7,
4173762.5,     108.0,     108.0,       1.2);
     ( 600539.7, 4173762.5,     109.0,     109.0,       1.2);         ( 600589.7,
4173762.5,     108.9,     108.9,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(600639.7, 4173762.5, 108.5, 108.5, 1.2); (600689.7, 4173762.5, 108.0, 108.0, 1.2);
(600739.7, 4173762.5, 108.0, 108.0, 1.2); (600789.7, 4173762.5, 108.0, 108.0, 1.2);
(600839.7, 4173762.5, 108.9, 108.9, 1.2); (600889.7, 4173762.5, 108.2, 108.2, 1.2);
(600939.7, 4173762.5, 109.0, 109.0, 1.2); (599739.7, 4173812.5, 108.0, 108.0, 1.2);
(599789.7, 4173812.5, 108.0, 108.0, 1.2); (599839.7, 4173812.5, 108.0, 108.0, 1.2);
(599889.7, 4173812.5, 108.0, 108.0, 1.2); (599939.7, 4173812.5, 108.0, 108.0, 1.2);
(597066.1, 4173431.4, 100.0, 100.0, 1.2); (597116.1, 4173431.4, 100.1, 100.1, 1.2);
(597016.1, 4173481.4, 100.0, 100.0, 1.2); (597066.1, 4173481.4, 100.0, 100.0, 1.2);
(597116.1, 4173481.4, 100.1, 100.1, 1.2); (597166.1, 4173481.4, 101.0, 101.0, 1.2);
(596916.1, 4173531.4, 100.4, 100.4, 1.2); (596966.1, 4173531.4, 100.8, 100.8, 1.2);
(597016.1, 4173531.4, 100.0, 100.0, 1.2); (597066.1, 4173531.4, 100.0, 100.0, 1.2);
(597116.1, 4173531.4, 100.2, 100.2, 1.2); (597166.1, 4173531.4, 101.0, 101.0, 1.2);
(596866.1, 4173581.4, 100.9, 100.9, 1.2); (596916.1, 4173581.4, 100.9, 100.9, 1.2);
(596966.1, 4173581.4, 100.8, 100.8, 1.2); (597016.1, 4173581.4, 100.8, 100.8, 1.2);
(597066.1, 4173581.4, 100.8, 100.8, 1.2); (597116.1, 4173581.4, 101.0, 101.0, 1.2);
(597166.1, 4173581.4, 101.0, 101.0, 1.2); (597216.1, 4173581.4, 102.0, 102.0, 1.2);
(597266.1, 4173581.4, 102.0, 102.0, 1.2); (597316.1, 4173581.4, 102.0, 102.0, 1.2);
(596866.1, 4173631.4, 101.0, 101.0, 1.2); (596916.1, 4173631.4, 101.0, 101.0, 1.2);
(596966.1, 4173631.4, 101.5, 101.5, 1.2); (597016.1, 4173631.4, 101.5, 101.5, 1.2);
(597066.1, 4173631.4, 101.5, 101.5, 1.2); (597116.1, 4173631.4, 101.6, 101.6, 1.2);
(597166.1, 4173631.4, 102.0, 102.0, 1.2); (597216.1, 4173631.4, 102.0, 102.0, 1.2);
(597266.1, 4173631.4, 102.0, 102.0, 1.2); (597316.1, 4173631.4, 102.9, 102.9, 1.2);
(596866.1, 4173681.4, 102.0, 102.0, 1.2); (596916.1, 4173681.4, 102.0, 102.0, 1.2);
(596966.1, 4173681.4, 102.0, 102.0, 1.2); (597016.1, 4173681.4, 102.0, 102.0, 1.2);
(597066.1, 4173681.4, 102.0, 102.0, 1.2); (597116.1, 4173681.4, 102.0, 102.0, 1.2);
(597166.1, 4173681.4, 102.0, 102.0, 1.2); (597216.1,

```
4173681.4,     102.2,     102.2,       1.2);
     ( 597266.1, 4173681.4,     103.0,     103.0,       1.2);         ( 597316.1,
4173681.4,     103.0,     103.0,       1.2);
     ( 596866.1, 4173731.4,     102.0,     102.0,       1.2);         ( 596916.1,
4173731.4,     102.0,     102.0,       1.2);
     ( 596966.1, 4173731.4,     102.0,     102.0,       1.2);         ( 597016.1,
4173731.4,     102.0,     102.0,       1.2);
     ( 597066.1, 4173731.4,     102.0,     102.0,       1.2);         ( 597116.1,
4173731.4,     102.8,     102.8,       1.2);
     ( 597166.1, 4173731.4,     102.8,     102.8,       1.2);         ( 597216.1,
4173731.4,     103.0,     103.0,       1.2);
     ( 597266.1, 4173731.4,     103.0,     103.0,       1.2);         ( 597316.1,
4173731.4,     103.0,     103.0,       1.2);
     ( 596866.1, 4173781.4,     102.5,     102.5,       1.2);         ( 596916.1,
4173781.4,     103.0,     103.0,       1.2);
     ( 596966.1, 4173781.4,     103.0,     103.0,       1.2);         ( 597016.1,
4173781.4,     103.0,     103.0,       1.2);
     ( 597066.1, 4173781.4,     103.0,     103.0,       1.2);         ( 597116.1,
4173781.4,     103.0,     103.0,       1.2);
     ( 597166.1, 4173781.4,     103.0,     103.0,       1.2);         ( 597216.1,
4173781.4,     103.0,     103.0,       1.2);
     ( 597266.1, 4173781.4,     103.0,     103.0,       1.2);         ( 597316.1,
4173781.4,     103.0,     103.0,       1.2);
     ( 596866.1, 4173831.4,     103.2,     103.2,       1.2);         ( 596916.1,
4173831.4,     103.2,     103.2,       1.2);
     ( 596966.1, 4173831.4,     103.2,     103.2,       1.2);         ( 597016.1,
4173831.4,     103.2,     103.2,       1.2);
     ( 597066.1, 4173831.4,     103.2,     103.2,       1.2);         ( 597116.1,
4173831.4,     103.2,     103.2,       1.2);
     ( 597166.1, 4173831.4,     103.8,     103.8,       1.2);         ( 597216.1,
4173831.4,     104.0,     104.0,       1.2);
     ( 597266.1, 4173831.4,     104.0,     104.0,       1.2);         ( 597316.1,
4173831.4,     104.0,     104.0,       1.2);
     ( 597137.4, 4172899.3,     100.0,     100.0,       1.2);         ( 597187.4,
4172899.3,     100.0,     100.0,       1.2);
     ( 597237.4, 4172899.3,     100.0,     100.0,       1.2);         ( 597287.4,
4172899.3,     100.0,     100.0,       1.2);
     ( 597337.4, 4172899.3,     100.0,     100.0,       1.2);         ( 597137.4,
4172949.3,     100.0,     100.0,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(597187.4, 4172949.3, 100.0, 100.0, 1.2); (597237.4, 4172949.3, 100.0, 100.0, 1.2);
(597287.4, 4172949.3, 100.0, 100.0, 1.2); (597337.4, 4172949.3, 100.0, 100.0, 1.2);
(597137.4, 4172999.3, 100.0, 100.0, 1.2); (597187.4, 4172999.3, 100.0, 100.0, 1.2);
(597237.4, 4172999.3, 100.0, 100.0, 1.2); (597287.4, 4172999.3, 100.0, 100.0, 1.2);
(597337.4, 4172999.3, 100.0, 100.0, 1.2); (597137.4, 4173049.3, 100.0, 100.0, 1.2);
(597187.4, 4173049.3, 100.0, 100.0, 1.2); (597237.4, 4173049.3, 100.0, 100.0, 1.2);
(597287.4, 4173049.3, 100.0, 100.0, 1.2); (597337.4, 4173049.3, 100.0, 100.0, 1.2);
(597137.4, 4173099.3, 100.0, 100.0, 1.2); (597187.4, 4173099.3, 100.0, 100.0, 1.2);
(597237.4, 4173099.3, 100.0, 100.0, 1.2); (597287.4, 4173099.3, 100.0, 100.0, 1.2);
(597337.4, 4173099.3, 100.0, 100.0, 1.2);

```
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes\AERMOD View\Valley Link_Dublin_DPM\Valley
Link_Dublin_DPM.i ***        07/22/20
 *** AERMET - VERSION  14134 ***   ***
***        13:10:07

PAGE  14
 *** MODELOPTs:    NonDFAULT  CONC  ELEV  FLGPOL  FASTAREA  URBAN

                                            *** METEOROLOGICAL DAYS SELECTED FOR
PROCESSING ***
                                                               (1=YES; 0=NO)

            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1

                NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS
INCLUDED IN THE DATA FILE.



                                  *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED
CATEGORIES ***
                                                            (METERS/SEC)

                                                 1.54,   3.09,   5.14,   8.23,  10.80,
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: 724927.SFC
Met Version: 14134
Profile file: 724927.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23285 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2009 Year: 2009

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
09	01	01	1	01	-12.6	0.221	-9.000	-9.000	-999.	250.	77.5	0.11	0.90	1.00	2.86	51.	10.0	279.2	2.0
09	01	01	1	02	-23.5	0.413	-9.000	-9.000	-999.	637.	269.8	0.11	0.90	1.00	4.86	48.	10.0	279.2	2.0
09	01	01	1	03	-11.1	0.195	-9.000	-9.000	-999.	254.	59.8	0.07	0.90	1.00	2.86	94.	10.0	278.8	2.0
09	01	01	1	04	-9.5	0.166	-9.000	-9.000	-999.	164.	43.7	0.11	0.90	1.00	2.36	53.	10.0	278.1	2.0
09	01	01	1	05	-11.1	0.195	-9.000	-9.000	-999.	206.	59.6	0.07	0.90	1.00	2.86	63.	10.0	278.1	2.0
09	01	01	1	06	-8.2	0.143	-9.000	-9.000	-999.	131.	32.3	0.07	0.90	1.00	2.36	72.	10.0	278.1	2.0
09	01	01	1	07	-8.2	0.143	-9.000	-9.000	-999.	130.	32.3	0.07	0.90	1.00	2.36	75.	10.0	278.1	2.0
09	01	01	1	08	-4.1	0.078	-9.000	-9.000	-999.	53.	10.3	0.11	0.90	0.75	1.76	13.	10.0	277.5	2.0
09	01	01	1	09	-6.3	0.246	-9.000	-9.000	-999.	292.	211.6	0.12	0.90	0.40	2.86	347.	10.0	278.1	2.0
09	01	01	1	10	6.6	0.303	0.261	0.016	96.	401.	-378.3	0.11	0.90	0.27	3.36	51.	10.0	278.8	2.0
09	01	01	1	11	15.4	0.317	0.422	0.017	176.	429.	-186.8	0.07	0.90	0.23	3.86	94.	10.0	279.9	2.0
09	01	01	1	12	47.5	0.448	0.742	0.017	309.	720.	-170.5	0.11	0.90	0.22	4.86	56.	10.0	280.9	2.0
09	01	01	1	13	49.0	0.405	0.820	0.014	403.	621.	-122.0	0.07	0.90	0.21	4.86	63.	10.0	281.4	2.0
09	01	01	1	14	42.7	0.405	0.809	0.014	444.	619.	-139.5	0.11	0.90	0.22	4.36	59.	10.0	282.0	2.0
09	01	01	1	15	60.8	0.372	0.922	0.014	463.	545.	-75.6	0.07	0.90	0.25	4.36	72.	10.0	281.4	2.0
09	01	01	1	16	14.1	0.309	0.569	0.016	467.	414.	-187.5	0.11	0.90	0.34	3.36	54.	10.0	282.0	2.0
09	01	01	1	17	-30.4	0.311	-9.000	-9.000	-999.	417.	89.1	0.07	0.90	0.58	4.36	61.	10.0	280.4	2.0
09	01	01	1	18	-27.0	0.239	-9.000	-9.000	-999.	282.	45.2	0.11	0.90	1.00	3.36	47.	10.0	279.9	2.0
09	01	01	1	19	-14.9	0.131	-9.000	-9.000	-999.	120.	13.7	0.07	0.90	1.00	2.86	64.	10.0	279.2	2.0

```
 09 01 01   1 20   -5.8  0.078 -9.000 -9.000 -999.   53.      7.3  0.11   0.90   1.00
1.76   47.   10.0  278.8    2.0
 09 01 01   1 21 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.10   0.90   1.00
0.00    0.   10.0  277.5    2.0
 09 01 01   1 22   -4.9  0.070 -9.000 -9.000 -999.   44.      6.2  0.07   0.90   1.00
1.76   82.   10.0  276.4    2.0
 09 01 01   1 23 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.10   0.90   1.00
0.00    0.   10.0  277.0    2.0
 09 01 01   1 24 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.10   0.90   1.00
0.00    0.   10.0  277.0    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 09 01 01 01   10.0 1   51.    2.86   279.3   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: TRACK0-2 ***
INCLUDING SOURCE(S): TRACK0_2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
599489.71	4172912.52	0.00185	599539.71	4172912.52	0.00186
599589.71	4172912.52	0.00188	599639.71	4172912.52	0.00189
599689.71	4172912.52	0.00192	599739.71	4172912.52	0.00195
599789.71	4172912.52	0.00200	599839.71	4172912.52	0.00206
599889.71	4172912.52	0.00213	599939.71	4172912.52	0.00220
599989.71	4172912.52	0.00227	600039.71	4172912.52	0.00234
600089.71	4172912.52	0.00240	600139.71	4172912.52	0.00244
600189.71	4172912.52	0.00248	600239.71	4172912.52	0.00250
600289.71	4172912.52	0.00251	600339.71	4172912.52	0.00251
600389.71	4172912.52	0.00251	600439.71	4172912.52	0.00250
600489.71	4172912.52	0.00249	600539.71	4172912.52	0.00247
600589.71	4172912.52	0.00245	600639.71	4172912.52	0.00243
600689.71	4172912.52	0.00239	600739.71	4172912.52	0.00235
600789.71	4172912.52	0.00230	600839.71	4172912.52	0.00224
600889.71	4172912.52	0.00218	600939.71	4172912.52	0.00210
600989.71	4172912.52	0.00202	601039.71	4172912.52	0.00195
599489.71	4172962.52	0.00219	599539.71	4172962.52	0.00221
599589.71	4172962.52	0.00223	599639.71	4172962.52	0.00227
599689.71	4172962.52	0.00231	599739.71	4172962.52	0.00237
599789.71	4172962.52	0.00244	599839.71	4172962.52	0.00253
599889.71	4172962.52	0.00263	599939.71	4172962.52	0.00273

```
         599989.71    4172962.52        0.00284                    600039.71
4172962.52        0.00294
         600089.71    4172962.52        0.00303                    600139.71
4172962.52        0.00309
         600189.71    4172962.52        0.00313                    600239.71
4172962.52        0.00315
         600289.71    4172962.52        0.00315                    600339.71
4172962.52        0.00314
         600389.71    4172962.52        0.00313                    600439.71
4172962.52        0.00311
         600489.71    4172962.52        0.00310                    600539.71
4172962.52        0.00309
         600589.71    4172962.52        0.00308                    600639.71
4172962.52        0.00307
         600689.71    4172962.52        0.00306                    600739.71
4172962.52        0.00303
         600789.71    4172962.52        0.00297                    600839.71
4172962.52        0.00290
         600889.71    4172962.52        0.00282                    600939.71
4172962.52        0.00271
         600989.71    4172962.52        0.00259                    601039.71
4172962.52        0.00247
         599539.71    4173012.52        0.00268                    599589.71
4173012.52        0.00273
         599639.71    4173012.52        0.00280                    599689.71
4173012.52        0.00289
         599739.71    4173012.52        0.00300                    599789.71
4173012.52        0.00310
         599839.71    4173012.52        0.00322                    599889.71
4173012.52        0.00333
         599939.71    4173012.52        0.00347                    599989.71
4173012.52        0.00363
         600039.71    4173012.52        0.00379                    600089.71
4173012.52        0.00391
         600139.71    4173012.52        0.00399                    600189.71
4173012.52        0.00402
         600239.71    4173012.52        0.00403                    600289.71
4173012.52        0.00401
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: TRACK0-2 ***
INCLUDING SOURCE(S): TRACK0_2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600339.71	4173012.52	0.00397	600389.71	4173012.52	0.00394
600439.71	4173012.52	0.00392	600489.71	4173012.52	0.00391
600539.71	4173012.52	0.00392	600589.71	4173012.52	0.00393
600639.71	4173012.52	0.00397	600689.71	4173012.52	0.00399
600739.71	4173012.52	0.00398	600789.71	4173012.52	0.00393
600839.71	4173012.52	0.00385	600889.71	4173012.52	0.00373
600939.71	4173012.52	0.00357	600989.71	4173012.52	0.00340
601039.71	4173012.52	0.00323	599589.71	4173062.52	0.00350
599639.71	4173062.52	0.00367	599689.71	4173062.52	0.00387
599739.71	4173062.52	0.00405	599789.71	4173062.52	0.00419
599839.71	4173062.52	0.00428	599889.71	4173062.52	0.00437
599939.71	4173062.52	0.00457	599989.71	4173062.52	0.00481
600039.71	4173062.52	0.00504	600089.71	4173062.52	0.00518
600139.71	4173062.52	0.00525	600189.71	4173062.52	0.00527
600239.71	4173062.52	0.00525	600289.71	4173062.52	0.00521
600339.71	4173062.52	0.00513	600389.71	4173062.52	0.00508
600439.71	4173062.52	0.00505	600489.71	4173062.52	0.00506
600539.71	4173062.52	0.00511	600589.71	4173062.52	0.00522
600639.71	4173062.52	0.00533	600689.71	4173062.52	0.00539
600739.71	4173062.52	0.00539	600789.71	4173062.52	0.00533
600839.71	4173062.52	0.00522	600889.71	4173062.52	0.00504

```
         600939.71    4173062.52        0.00482                    600989.71
4173062.52        0.00459
         601039.71    4173062.52        0.00433                    599689.71
4173112.52        0.00557
         599739.71    4173112.52        0.00590                    599789.71
4173112.52        0.00612
         599839.71    4173112.52        0.00620                    599889.71
4173112.52        0.00626
         599939.71    4173112.52        0.00648                    599989.71
4173112.52        0.00680
         600039.71    4173112.52        0.00700                    600089.71
4173112.52        0.00706
         600139.71    4173112.52        0.00705                    600189.71
4173112.52        0.00701
         600239.71    4173112.52        0.00698                    600289.71
4173112.52        0.00695
         600339.71    4173112.52        0.00692                    600389.71
4173112.52        0.00697
         600439.71    4173112.52        0.00706                    600489.71
4173112.52        0.00718
         600539.71    4173112.52        0.00732                    600589.71
4173112.52        0.00746
         600639.71    4173112.52        0.00754                    600689.71
4173112.52        0.00754
         600739.71    4173112.52        0.00748                    600789.71
4173112.52        0.00737
         600839.71    4173112.52        0.00719                    600889.71
4173112.52        0.00703
         600939.71    4173112.52        0.00676                    600989.71
4173112.52        0.00641
         601039.71    4173112.52        0.00617                    599789.71
4173162.52        0.01007
         599839.71    4173162.52        0.00992                    599889.71
4173162.52        0.00993
         599939.71    4173162.52        0.01014                    599989.71
4173162.52        0.01034
         600039.71    4173162.52        0.01036                    600089.71
4173162.52        0.01029
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: TRACK0-2 ***
INCLUDING SOURCE(S): TRACK0_2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600139.71	4173162.52	0.01012	600189.71	4173162.52	0.01010
600239.71	4173162.52	0.01020	600289.71	4173162.52	0.01037
600339.71	4173162.52	0.01049	600389.71	4173162.52	0.01068
600439.71	4173162.52	0.01075	600489.71	4173162.52	0.01078
600539.71	4173162.52	0.01080	600589.71	4173162.52	0.01097
600639.71	4173162.52	0.01104	600689.71	4173162.52	0.01086
600739.71	4173162.52	0.01061	600789.71	4173162.52	0.01046
600839.71	4173162.52	0.01045	600889.71	4173162.52	0.01035
600939.71	4173162.52	0.01008	600989.71	4173162.52	0.00980
601039.71	4173162.52	0.00950	599789.71	4173212.52	0.01869
599839.71	4173212.52	0.01840	599889.71	4173212.52	0.01814
599939.71	4173212.52	0.01802	599989.71	4173212.52	0.01806
600039.71	4173212.52	0.01796	600089.71	4173212.52	0.01795
600139.71	4173212.52	0.01793	600189.71	4173212.52	0.01798
600239.71	4173212.52	0.01807	600289.71	4173212.52	0.01818
600339.71	4173212.52	0.01797	600389.71	4173212.52	0.01818
600439.71	4173212.52	0.01855	600489.71	4173212.52	0.01874
600539.71	4173212.52	0.01836	600589.71	4173212.52	0.01797
600639.71	4173212.52	0.01793	600689.71	4173212.52	0.01837
600739.71	4173212.52	0.01863	600789.71	4173212.52	0.01863
600839.71	4173212.52	0.01840	600889.71	4173212.52	0.01792

```
        600939.71    4173212.52        0.01805                    600989.71
4173212.52        0.01850
        601039.71    4173212.52        0.01819                    600039.71
4173362.52        0.01536
        600089.71    4173362.52        0.01524                    600139.71
4173362.52        0.01555
        600189.71    4173362.52        0.01620                    600239.71
4173362.52        0.01597
        600289.71    4173362.52        0.01565                    600039.71
4173412.52        0.00756
        600089.71    4173412.52        0.00788                    600139.71
4173412.52        0.00818
        600189.71    4173412.52        0.00821                    600239.71
4173412.52        0.00795
        600289.71    4173412.52        0.00786                    600039.71
4173462.52        0.00497
        600089.71    4173462.52        0.00519                    600139.71
4173462.52        0.00534
        600189.71    4173462.52        0.00527                    600239.71
4173462.52        0.00510
        600289.71    4173462.52        0.00500                    600039.71
4173512.52        0.00332
        600089.71    4173512.52        0.00350                    600139.71
4173512.52        0.00359
        600189.71    4173512.52        0.00360                    600239.71
4173512.52        0.00358
        600289.71    4173512.52        0.00356                    600039.71
4173562.52        0.00233
        600089.71    4173562.52        0.00245                    600139.71
4173562.52        0.00254
        600189.71    4173562.52        0.00261                    600239.71
4173562.52        0.00265
        600289.71    4173562.52        0.00268                    600039.71
4173612.52        0.00177
        600089.71    4173612.52        0.00185                    600139.71
4173612.52        0.00192
        600189.71    4173612.52        0.00199                    600239.71
4173612.52        0.00204
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: TRACK0-2 ***
INCLUDING SOURCE(S): TRACK0_2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600289.71	4173612.52	0.00208	600039.71	4173662.52	0.00141
600089.71	4173662.52	0.00146	600139.71	4173662.52	0.00152
600189.71	4173662.52	0.00157	600239.71	4173662.52	0.00162
600289.71	4173662.52	0.00167	600189.71	4173712.52	0.00128
600239.71	4173712.52	0.00133	600289.71	4173712.52	0.00137
600339.71	4173712.52	0.00141	600389.71	4173712.52	0.00144
600439.71	4173712.52	0.00147	600489.71	4173712.52	0.00148
600539.71	4173712.52	0.00148	600589.71	4173712.52	0.00146
600639.71	4173712.52	0.00143	600689.71	4173712.52	0.00141
600739.71	4173712.52	0.00140	600789.71	4173712.52	0.00141
600839.71	4173712.52	0.00144	600189.71	4173762.52	0.00107
600239.71	4173762.52	0.00111	600289.71	4173762.52	0.00115
600339.71	4173762.52	0.00118	600389.71	4173762.52	0.00121
600439.71	4173762.52	0.00125	600489.71	4173762.52	0.00126
600539.71	4173762.52	0.00126	600589.71	4173762.52	0.00125
600639.71	4173762.52	0.00124	600689.71	4173762.52	0.00123
600739.71	4173762.52	0.00122	600789.71	4173762.52	0.00122
600839.71	4173762.52	0.00123	600889.71	4173762.52	0.00127
600939.71	4173762.52	0.00130	599739.71	4173812.52	0.00059
599789.71	4173812.52	0.00065	599839.71	4173812.52	0.00070
599889.71	4173812.52	0.00074	599939.71	4173812.52	0.00077

```
        597066.05    4173431.45        0.00007                    597116.05
4173431.45        0.00007
        597016.05    4173481.45        0.00006                    597066.05
4173481.45        0.00006
        597116.05    4173481.45        0.00007                    597166.05
4173481.45        0.00007
        596916.05    4173531.45        0.00005                    596966.05
4173531.45        0.00006
        597016.05    4173531.45        0.00006                    597066.05
4173531.45        0.00006
        597116.05    4173531.45        0.00006                    597166.05
4173531.45        0.00006
        596866.05    4173581.45        0.00005                    596916.05
4173581.45        0.00005
        596966.05    4173581.45        0.00005                    597016.05
4173581.45        0.00005
        597066.05    4173581.45        0.00005                    597116.05
4173581.45        0.00005
        597166.05    4173581.45        0.00005                    597216.05
4173581.45        0.00006
        597266.05    4173581.45        0.00006                    597316.05
4173581.45        0.00006
        596866.05    4173631.45        0.00004                    596916.05
4173631.45        0.00005
        596966.05    4173631.45        0.00005                    597016.05
4173631.45        0.00005
        597066.05    4173631.45        0.00005                    597116.05
4173631.45        0.00005
        597166.05    4173631.45        0.00005                    597216.05
4173631.45        0.00005
        597266.05    4173631.45        0.00005                    597316.05
4173631.45        0.00005
        596866.05    4173681.45        0.00004                    596916.05
4173681.45        0.00004
        596966.05    4173681.45        0.00004                    597016.05
4173681.45        0.00004
        597066.05    4173681.45        0.00004                    597116.05
4173681.45        0.00004
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: TRACK0-2 ***
INCLUDING SOURCE(S): TRACK0_2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
597166.05	4173681.45	0.00005	597216.05	4173681.45	0.00005
597266.05	4173681.45	0.00005	597316.05	4173681.45	0.00005
596866.05	4173731.45	0.00004	596916.05	4173731.45	0.00004
596966.05	4173731.45	0.00004	597016.05	4173731.45	0.00004
597066.05	4173731.45	0.00004	597116.05	4173731.45	0.00004
597166.05	4173731.45	0.00004	597216.05	4173731.45	0.00004
597266.05	4173731.45	0.00004	597316.05	4173731.45	0.00004
596866.05	4173781.45	0.00004	596916.05	4173781.45	0.00004
596966.05	4173781.45	0.00004	597016.05	4173781.45	0.00004
597066.05	4173781.45	0.00004	597116.05	4173781.45	0.00004
597166.05	4173781.45	0.00004	597216.05	4173781.45	0.00004
597266.05	4173781.45	0.00004	597316.05	4173781.45	0.00004
596866.05	4173831.45	0.00003	596916.05	4173831.45	0.00003
596966.05	4173831.45	0.00003	597016.05	4173831.45	0.00004
597066.05	4173831.45	0.00004	597116.05	4173831.45	0.00004
597166.05	4173831.45	0.00004	597216.05	4173831.45	0.00004
597266.05	4173831.45	0.00004	597316.05	4173831.45	0.00004
597137.41	4172899.29	0.00017	597187.41	4172899.29	0.00018
597237.41	4172899.29	0.00018	597287.41	4172899.29	0.00019
597337.41	4172899.29	0.00020	597137.41	4172949.29	0.00016
597187.41	4172949.29	0.00017	597237.41	4172949.29	0.00017

```
         597287.41    4172949.29        0.00018                    597337.41
4172949.29        0.00019
         597137.41    4172999.29        0.00015                    597187.41
4172999.29        0.00016
         597237.41    4172999.29        0.00016                    597287.41
4172999.29        0.00017
         597337.41    4172999.29        0.00018                    597137.41
4173049.29        0.00014
         597187.41    4173049.29        0.00015                    597237.41
4173049.29        0.00015
         597287.41    4173049.29        0.00016                    597337.41
4173049.29        0.00016
         597137.41    4173099.29        0.00013                    597187.41
4173099.29        0.00014
         597237.41    4173099.29        0.00014                    597287.41
4173099.29        0.00015
         597337.41    4173099.29        0.00015
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: TRACK2-9 ***
INCLUDING SOURCE(S): TRACK2_9 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
599489.71	4172912.52	0.00021	599539.71	4172912.52	0.00021
599589.71	4172912.52	0.00021	599639.71	4172912.52	0.00022
599689.71	4172912.52	0.00022	599739.71	4172912.52	0.00022
599789.71	4172912.52	0.00023	599839.71	4172912.52	0.00023
599889.71	4172912.52	0.00024	599939.71	4172912.52	0.00025
599989.71	4172912.52	0.00026	600039.71	4172912.52	0.00027
600089.71	4172912.52	0.00027	600139.71	4172912.52	0.00028
600189.71	4172912.52	0.00028	600239.71	4172912.52	0.00028
600289.71	4172912.52	0.00029	600339.71	4172912.52	0.00029
600389.71	4172912.52	0.00029	600439.71	4172912.52	0.00028
600489.71	4172912.52	0.00028	600539.71	4172912.52	0.00028
600589.71	4172912.52	0.00028	600639.71	4172912.52	0.00028
600689.71	4172912.52	0.00027	600739.71	4172912.52	0.00027
600789.71	4172912.52	0.00026	600839.71	4172912.52	0.00025
600889.71	4172912.52	0.00025	600939.71	4172912.52	0.00024
600989.71	4172912.52	0.00023	601039.71	4172912.52	0.00022
599489.71	4172962.52	0.00025	599539.71	4172962.52	0.00025
599589.71	4172962.52	0.00025	599639.71	4172962.52	0.00026
599689.71	4172962.52	0.00026	599739.71	4172962.52	0.00027
599789.71	4172962.52	0.00028	599839.71	4172962.52	0.00029
599889.71	4172962.52	0.00030	599939.71	4172962.52	0.00031

```
         599989.71    4172962.52        0.00032                    600039.71
4172962.52        0.00033
         600089.71    4172962.52        0.00034                    600139.71
4172962.52        0.00035
         600189.71    4172962.52        0.00036                    600239.71
4172962.52        0.00036
         600289.71    4172962.52        0.00036                    600339.71
4172962.52        0.00036
         600389.71    4172962.52        0.00036                    600439.71
4172962.52        0.00035
         600489.71    4172962.52        0.00035                    600539.71
4172962.52        0.00035
         600589.71    4172962.52        0.00035                    600639.71
4172962.52        0.00035
         600689.71    4172962.52        0.00035                    600739.71
4172962.52        0.00034
         600789.71    4172962.52        0.00034                    600839.71
4172962.52        0.00033
         600889.71    4172962.52        0.00032                    600939.71
4172962.52        0.00031
         600989.71    4172962.52        0.00029                    601039.71
4172962.52        0.00028
         599539.71    4173012.52        0.00030                    599589.71
4173012.52        0.00031
         599639.71    4173012.52        0.00032                    599689.71
4173012.52        0.00033
         599739.71    4173012.52        0.00034                    599789.71
4173012.52        0.00035
         599839.71    4173012.52        0.00037                    599889.71
4173012.52        0.00038
         599939.71    4173012.52        0.00039                    599989.71
4173012.52        0.00041
         600039.71    4173012.52        0.00043                    600089.71
4173012.52        0.00044
         600139.71    4173012.52        0.00045                    600189.71
4173012.52        0.00046
         600239.71    4173012.52        0.00046                    600289.71
4173012.52        0.00046
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: TRACK2-9 ***
INCLUDING SOURCE(S): TRACK2_9 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600339.71	4173012.52	0.00045	600389.71	4173012.52	0.00045
600439.71	4173012.52	0.00045	600489.71	4173012.52	0.00044
600539.71	4173012.52	0.00045	600589.71	4173012.52	0.00045
600639.71	4173012.52	0.00045	600689.71	4173012.52	0.00045
600739.71	4173012.52	0.00045	600789.71	4173012.52	0.00045
600839.71	4173012.52	0.00044	600889.71	4173012.52	0.00042
600939.71	4173012.52	0.00041	600989.71	4173012.52	0.00039
601039.71	4173012.52	0.00037	599589.71	4173062.52	0.00040
599639.71	4173062.52	0.00042	599689.71	4173062.52	0.00044
599739.71	4173062.52	0.00046	599789.71	4173062.52	0.00048
599839.71	4173062.52	0.00049	599889.71	4173062.52	0.00050
599939.71	4173062.52	0.00052	599989.71	4173062.52	0.00055
600039.71	4173062.52	0.00057	600089.71	4173062.52	0.00059
600139.71	4173062.52	0.00060	600189.71	4173062.52	0.00060
600239.71	4173062.52	0.00060	600289.71	4173062.52	0.00059
600339.71	4173062.52	0.00058	600389.71	4173062.52	0.00058
600439.71	4173062.52	0.00058	600489.71	4173062.52	0.00058
600539.71	4173062.52	0.00058	600589.71	4173062.52	0.00059
600639.71	4173062.52	0.00061	600689.71	4173062.52	0.00061
600739.71	4173062.52	0.00061	600789.71	4173062.52	0.00061
600839.71	4173062.52	0.00059	600889.71	4173062.52	0.00057

```
         600939.71    4173062.52        0.00055                    600989.71
4173062.52        0.00052
         601039.71    4173062.52        0.00049                    599689.71
4173112.52        0.00063
         599739.71    4173112.52        0.00067                    599789.71
4173112.52        0.00070
         599839.71    4173112.52        0.00071                    599889.71
4173112.52        0.00071
         599939.71    4173112.52        0.00074                    599989.71
4173112.52        0.00077
         600039.71    4173112.52        0.00080                    600089.71
4173112.52        0.00080
         600139.71    4173112.52        0.00080                    600189.71
4173112.52        0.00080
         600239.71    4173112.52        0.00079                    600289.71
4173112.52        0.00079
         600339.71    4173112.52        0.00079                    600389.71
4173112.52        0.00079
         600439.71    4173112.52        0.00080                    600489.71
4173112.52        0.00082
         600539.71    4173112.52        0.00083                    600589.71
4173112.52        0.00085
         600639.71    4173112.52        0.00086                    600689.71
4173112.52        0.00086
         600739.71    4173112.52        0.00085                    600789.71
4173112.52        0.00084
         600839.71    4173112.52        0.00082                    600889.71
4173112.52        0.00080
         600939.71    4173112.52        0.00077                    600989.71
4173112.52        0.00073
         601039.71    4173112.52        0.00070                    599789.71
4173162.52        0.00115
         599839.71    4173162.52        0.00113                    599889.71
4173162.52        0.00113
         599939.71    4173162.52        0.00115                    599989.71
4173162.52        0.00118
         600039.71    4173162.52        0.00118                    600089.71
4173162.52        0.00117
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: TRACK2-9 ***
INCLUDING SOURCE(S): TRACK2_9 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600139.71	4173162.52	0.00115	600189.71	4173162.52	0.00115
600239.71	4173162.52	0.00116	600289.71	4173162.52	0.00118
600339.71	4173162.52	0.00119	600389.71	4173162.52	0.00122
600439.71	4173162.52	0.00122	600489.71	4173162.52	0.00123
600539.71	4173162.52	0.00123	600589.71	4173162.52	0.00125
600639.71	4173162.52	0.00126	600689.71	4173162.52	0.00124
600739.71	4173162.52	0.00121	600789.71	4173162.52	0.00119
600839.71	4173162.52	0.00119	600889.71	4173162.52	0.00118
600939.71	4173162.52	0.00115	600989.71	4173162.52	0.00111
601039.71	4173162.52	0.00108	599789.71	4173212.52	0.00213
599839.71	4173212.52	0.00209	599889.71	4173212.52	0.00206
599939.71	4173212.52	0.00205	599989.71	4173212.52	0.00205
600039.71	4173212.52	0.00204	600089.71	4173212.52	0.00204
600139.71	4173212.52	0.00204	600189.71	4173212.52	0.00205
600239.71	4173212.52	0.00206	600289.71	4173212.52	0.00207
600339.71	4173212.52	0.00205	600389.71	4173212.52	0.00207
600439.71	4173212.52	0.00211	600489.71	4173212.52	0.00213
600539.71	4173212.52	0.00209	600589.71	4173212.52	0.00204
600639.71	4173212.52	0.00204	600689.71	4173212.52	0.00209
600739.71	4173212.52	0.00212	600789.71	4173212.52	0.00212
600839.71	4173212.52	0.00209	600889.71	4173212.52	0.00204

```
        600939.71    4173212.52        0.00205                    600989.71
4173212.52        0.00211
        601039.71    4173212.52        0.00207                    600039.71
4173362.52        0.00175
        600089.71    4173362.52        0.00173                    600139.71
4173362.52        0.00177
        600189.71    4173362.52        0.00184                    600239.71
4173362.52        0.00182
        600289.71    4173362.52        0.00178                    600039.71
4173412.52        0.00086
        600089.71    4173412.52        0.00090                    600139.71
4173412.52        0.00093
        600189.71    4173412.52        0.00093                    600239.71
4173412.52        0.00090
        600289.71    4173412.52        0.00089                    600039.71
4173462.52        0.00057
        600089.71    4173462.52        0.00059                    600139.71
4173462.52        0.00061
        600189.71    4173462.52        0.00060                    600239.71
4173462.52        0.00058
        600289.71    4173462.52        0.00057                    600039.71
4173512.52        0.00038
        600089.71    4173512.52        0.00040                    600139.71
4173512.52        0.00041
        600189.71    4173512.52        0.00041                    600239.71
4173512.52        0.00041
        600289.71    4173512.52        0.00041                    600039.71
4173562.52        0.00026
        600089.71    4173562.52        0.00028                    600139.71
4173562.52        0.00029
        600189.71    4173562.52        0.00030                    600239.71
4173562.52        0.00030
        600289.71    4173562.52        0.00031                    600039.71
4173612.52        0.00020
        600089.71    4173612.52        0.00021                    600139.71
4173612.52        0.00022
        600189.71    4173612.52        0.00023                    600239.71
4173612.52        0.00023
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: TRACK2-9 ***
INCLUDING SOURCE(S): TRACK2_9 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600289.71	4173612.52	0.00024	600039.71	4173662.52	0.00016
600089.71	4173662.52	0.00017	600139.71	4173662.52	0.00017
600189.71	4173662.52	0.00018	600239.71	4173662.52	0.00018
600289.71	4173662.52	0.00019	600189.71	4173712.52	0.00015
600239.71	4173712.52	0.00015	600289.71	4173712.52	0.00016
600339.71	4173712.52	0.00016	600389.71	4173712.52	0.00016
600439.71	4173712.52	0.00017	600489.71	4173712.52	0.00017
600539.71	4173712.52	0.00017	600589.71	4173712.52	0.00017
600639.71	4173712.52	0.00016	600689.71	4173712.52	0.00016
600739.71	4173712.52	0.00016	600789.71	4173712.52	0.00016
600839.71	4173712.52	0.00016	600189.71	4173762.52	0.00012
600239.71	4173762.52	0.00013	600289.71	4173762.52	0.00013
600339.71	4173762.52	0.00013	600389.71	4173762.52	0.00014
600439.71	4173762.52	0.00014	600489.71	4173762.52	0.00014
600539.71	4173762.52	0.00014	600589.71	4173762.52	0.00014
600639.71	4173762.52	0.00014	600689.71	4173762.52	0.00014
600739.71	4173762.52	0.00014	600789.71	4173762.52	0.00014
600839.71	4173762.52	0.00014	600889.71	4173762.52	0.00014
600939.71	4173762.52	0.00015	599739.71	4173812.52	0.00007
599789.71	4173812.52	0.00007	599839.71	4173812.52	0.00008
599889.71	4173812.52	0.00008	599939.71	4173812.52	0.00009

```
        597066.05    4173431.45        0.00001                    597116.05
4173431.45        0.00001
        597016.05    4173481.45        0.00001                    597066.05
4173481.45        0.00001
        597116.05    4173481.45        0.00001                    597166.05
4173481.45        0.00001
        596916.05    4173531.45        0.00001                    596966.05
4173531.45        0.00001
        597016.05    4173531.45        0.00001                    597066.05
4173531.45        0.00001
        597116.05    4173531.45        0.00001                    597166.05
4173531.45        0.00001
        596866.05    4173581.45        0.00001                    596916.05
4173581.45        0.00001
        596966.05    4173581.45        0.00001                    597016.05
4173581.45        0.00001
        597066.05    4173581.45        0.00001                    597116.05
4173581.45        0.00001
        597166.05    4173581.45        0.00001                    597216.05
4173581.45        0.00001
        597266.05    4173581.45        0.00001                    597316.05
4173581.45        0.00001
        596866.05    4173631.45        0.00001                    596916.05
4173631.45        0.00001
        596966.05    4173631.45        0.00001                    597016.05
4173631.45        0.00001
        597066.05    4173631.45        0.00001                    597116.05
4173631.45        0.00001
        597166.05    4173631.45        0.00001                    597216.05
4173631.45        0.00001
        597266.05    4173631.45        0.00001                    597316.05
4173631.45        0.00001
        596866.05    4173681.45        0.00000                    596916.05
4173681.45        0.00000
        596966.05    4173681.45        0.00000                    597016.05
4173681.45        0.00000
        597066.05    4173681.45        0.00001                    597116.05
4173681.45        0.00001
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: TRACK2-9 ***
INCLUDING SOURCE(S): TRACK2_9 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
597166.05	4173681.45	0.00001	597216.05	4173681.45	0.00001
597266.05	4173681.45	0.00001	597316.05	4173681.45	0.00001
596866.05	4173731.45	0.00000	596916.05	4173731.45	0.00000
596966.05	4173731.45	0.00000	597016.05	4173731.45	0.00000
597066.05	4173731.45	0.00000	597116.05	4173731.45	0.00000
597166.05	4173731.45	0.00000	597216.05	4173731.45	0.00000
597266.05	4173731.45	0.00001	597316.05	4173731.45	0.00001
596866.05	4173781.45	0.00000	596916.05	4173781.45	0.00000
596966.05	4173781.45	0.00000	597016.05	4173781.45	0.00000
597066.05	4173781.45	0.00000	597116.05	4173781.45	0.00000
597166.05	4173781.45	0.00000	597216.05	4173781.45	0.00000
597266.05	4173781.45	0.00000	597316.05	4173781.45	0.00000
596866.05	4173831.45	0.00000	596916.05	4173831.45	0.00000
596966.05	4173831.45	0.00000	597016.05	4173831.45	0.00000
597066.05	4173831.45	0.00000	597116.05	4173831.45	0.00000
597166.05	4173831.45	0.00000	597216.05	4173831.45	0.00000
597266.05	4173831.45	0.00000	597316.05	4173831.45	0.00000
597137.41	4172899.29	0.00002	597187.41	4172899.29	0.00002
597237.41	4172899.29	0.00002	597287.41	4172899.29	0.00002
597337.41	4172899.29	0.00002	597137.41	4172949.29	0.00002
597187.41	4172949.29	0.00002	597237.41	4172949.29	0.00002

```
         597287.41    4172949.29        0.00002                    597337.41
4172949.29        0.00002
         597137.41    4172999.29        0.00002                    597187.41
4172999.29        0.00002
         597237.41    4172999.29        0.00002                    597287.41
4172999.29        0.00002
         597337.41    4172999.29        0.00002                    597137.41
4173049.29        0.00002
         597187.41    4173049.29        0.00002                    597237.41
4173049.29        0.00002
         597287.41    4173049.29        0.00002                    597337.41
4173049.29        0.00002
         597137.41    4173099.29        0.00002                    597187.41
4173099.29        0.00002
         597237.41    4173099.29        0.00002                    597287.41
4173099.29        0.00002
         597337.41    4173099.29        0.00002
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: STAT0-2 ***
INCLUDING SOURCE(S): STATION0_2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
599489.71	4172912.52	0.00002	599539.71	4172912.52	0.00002
599589.71	4172912.52	0.00002	599639.71	4172912.52	0.00002
599689.71	4172912.52	0.00002	599739.71	4172912.52	0.00002
599789.71	4172912.52	0.00002	599839.71	4172912.52	0.00002
599889.71	4172912.52	0.00002	599939.71	4172912.52	0.00002
599989.71	4172912.52	0.00001	600039.71	4172912.52	0.00001
600089.71	4172912.52	0.00001	600139.71	4172912.52	0.00001
600189.71	4172912.52	0.00001	600239.71	4172912.52	0.00001
600289.71	4172912.52	0.00001	600339.71	4172912.52	0.00001
600389.71	4172912.52	0.00001	600439.71	4172912.52	0.00001
600489.71	4172912.52	0.00001	600539.71	4172912.52	0.00001
600589.71	4172912.52	0.00001	600639.71	4172912.52	0.00001
600689.71	4172912.52	0.00001	600739.71	4172912.52	0.00001
600789.71	4172912.52	0.00001	600839.71	4172912.52	0.00001
600889.71	4172912.52	0.00001	600939.71	4172912.52	0.00001
600989.71	4172912.52	0.00001	601039.71	4172912.52	0.00001
599489.71	4172962.52	0.00002	599539.71	4172962.52	0.00002
599589.71	4172962.52	0.00002	599639.71	4172962.52	0.00002
599689.71	4172962.52	0.00002	599739.71	4172962.52	0.00002
599789.71	4172962.52	0.00002	599839.71	4172962.52	0.00002
599889.71	4172962.52	0.00002	599939.71	4172962.52	0.00002

```
         599989.71    4172962.52        0.00001                    600039.71
4172962.52        0.00001
         600089.71    4172962.52        0.00001                    600139.71
4172962.52        0.00001
         600189.71    4172962.52        0.00001                    600239.71
4172962.52        0.00001
         600289.71    4172962.52        0.00001                    600339.71
4172962.52        0.00001
         600389.71    4172962.52        0.00001                    600439.71
4172962.52        0.00001
         600489.71    4172962.52        0.00001                    600539.71
4172962.52        0.00001
         600589.71    4172962.52        0.00001                    600639.71
4172962.52        0.00001
         600689.71    4172962.52        0.00001                    600739.71
4172962.52        0.00001
         600789.71    4172962.52        0.00001                    600839.71
4172962.52        0.00001
         600889.71    4172962.52        0.00001                    600939.71
4172962.52        0.00001
         600989.71    4172962.52        0.00001                    601039.71
4172962.52        0.00001
         599539.71    4173012.52        0.00002                    599589.71
4173012.52        0.00002
         599639.71    4173012.52        0.00002                    599689.71
4173012.52        0.00002
         599739.71    4173012.52        0.00002                    599789.71
4173012.52        0.00002
         599839.71    4173012.52        0.00002                    599889.71
4173012.52        0.00002
         599939.71    4173012.52        0.00002                    599989.71
4173012.52        0.00001
         600039.71    4173012.52        0.00001                    600089.71
4173012.52        0.00001
         600139.71    4173012.52        0.00001                    600189.71
4173012.52        0.00001
         600239.71    4173012.52        0.00001                    600289.71
4173012.52        0.00001
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: STAT0-2 ***
INCLUDING SOURCE(S): STATION0_2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600339.71	4173012.52	0.00001	600389.71	4173012.52	0.00001
600439.71	4173012.52	0.00001	600489.71	4173012.52	0.00001
600539.71	4173012.52	0.00001	600589.71	4173012.52	0.00001
600639.71	4173012.52	0.00001	600689.71	4173012.52	0.00001
600739.71	4173012.52	0.00001	600789.71	4173012.52	0.00001
600839.71	4173012.52	0.00001	600889.71	4173012.52	0.00001
600939.71	4173012.52	0.00001	600989.71	4173012.52	0.00001
601039.71	4173012.52	0.00001	599589.71	4173062.52	0.00002
599639.71	4173062.52	0.00002	599689.71	4173062.52	0.00002
599739.71	4173062.52	0.00002	599789.71	4173062.52	0.00002
599839.71	4173062.52	0.00002	599889.71	4173062.52	0.00002
599939.71	4173062.52	0.00002	599989.71	4173062.52	0.00001
600039.71	4173062.52	0.00001	600089.71	4173062.52	0.00001
600139.71	4173062.52	0.00001	600189.71	4173062.52	0.00001
600239.71	4173062.52	0.00001	600289.71	4173062.52	0.00001
600339.71	4173062.52	0.00001	600389.71	4173062.52	0.00001
600439.71	4173062.52	0.00001	600489.71	4173062.52	0.00001
600539.71	4173062.52	0.00001	600589.71	4173062.52	0.00001
600639.71	4173062.52	0.00001	600689.71	4173062.52	0.00001
600739.71	4173062.52	0.00001	600789.71	4173062.52	0.00001
600839.71	4173062.52	0.00001	600889.71	4173062.52	0.00001

```
         600939.71    4173062.52        0.00001                    600989.71
4173062.52        0.00001
         601039.71    4173062.52        0.00001                    599689.71
4173112.52        0.00002
         599739.71    4173112.52        0.00002                    599789.71
4173112.52        0.00002
         599839.71    4173112.52        0.00002                    599889.71
4173112.52        0.00002
         599939.71    4173112.52        0.00002                    599989.71
4173112.52        0.00001
         600039.71    4173112.52        0.00001                    600089.71
4173112.52        0.00001
         600139.71    4173112.52        0.00001                    600189.71
4173112.52        0.00001
         600239.71    4173112.52        0.00001                    600289.71
4173112.52        0.00001
         600339.71    4173112.52        0.00001                    600389.71
4173112.52        0.00001
         600439.71    4173112.52        0.00001                    600489.71
4173112.52        0.00001
         600539.71    4173112.52        0.00001                    600589.71
4173112.52        0.00001
         600639.71    4173112.52        0.00001                    600689.71
4173112.52        0.00001
         600739.71    4173112.52        0.00001                    600789.71
4173112.52        0.00001
         600839.71    4173112.52        0.00001                    600889.71
4173112.52        0.00001
         600939.71    4173112.52        0.00001                    600989.71
4173112.52        0.00001
         601039.71    4173112.52        0.00001                    599789.71
4173162.52        0.00002
         599839.71    4173162.52        0.00002                    599889.71
4173162.52        0.00002
         599939.71    4173162.52        0.00002                    599989.71
4173162.52        0.00001
         600039.71    4173162.52        0.00001                    600089.71
4173162.52        0.00001
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: STAT0-2 ***
INCLUDING SOURCE(S): STATION0_2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600139.71	4173162.52	0.00001	600189.71	4173162.52	0.00001
600239.71	4173162.52	0.00001	600289.71	4173162.52	0.00001
600339.71	4173162.52	0.00001	600389.71	4173162.52	0.00001
600439.71	4173162.52	0.00001	600489.71	4173162.52	0.00001
600539.71	4173162.52	0.00001	600589.71	4173162.52	0.00001
600639.71	4173162.52	0.00001	600689.71	4173162.52	0.00001
600739.71	4173162.52	0.00001	600789.71	4173162.52	0.00001
600839.71	4173162.52	0.00001	600889.71	4173162.52	0.00001
600939.71	4173162.52	0.00001	600989.71	4173162.52	0.00001
601039.71	4173162.52	0.00001	599789.71	4173212.52	0.00002
599839.71	4173212.52	0.00002	599889.71	4173212.52	0.00002
599939.71	4173212.52	0.00001	599989.71	4173212.52	0.00001
600039.71	4173212.52	0.00001	600089.71	4173212.52	0.00001
600139.71	4173212.52	0.00001	600189.71	4173212.52	0.00001
600239.71	4173212.52	0.00001	600289.71	4173212.52	0.00001
600339.71	4173212.52	0.00001	600389.71	4173212.52	0.00001
600439.71	4173212.52	0.00001	600489.71	4173212.52	0.00001
600539.71	4173212.52	0.00001	600589.71	4173212.52	0.00001
600639.71	4173212.52	0.00001	600689.71	4173212.52	0.00001
600739.71	4173212.52	0.00001	600789.71	4173212.52	0.00001
600839.71	4173212.52	0.00001	600889.71	4173212.52	0.00001

```
         600939.71    4173212.52        0.00001                    600989.71
4173212.52        0.00001
         601039.71    4173212.52        0.00001                    600039.71
4173362.52        0.00001
         600089.71    4173362.52        0.00001                    600139.71
4173362.52        0.00001
         600189.71    4173362.52        0.00001                    600239.71
4173362.52        0.00001
         600289.71    4173362.52        0.00001                    600039.71
4173412.52        0.00001
         600089.71    4173412.52        0.00001                    600139.71
4173412.52        0.00001
         600189.71    4173412.52        0.00001                    600239.71
4173412.52        0.00001
         600289.71    4173412.52        0.00001                    600039.71
4173462.52        0.00001
         600089.71    4173462.52        0.00001                    600139.71
4173462.52        0.00001
         600189.71    4173462.52        0.00001                    600239.71
4173462.52        0.00001
         600289.71    4173462.52        0.00001                    600039.71
4173512.52        0.00001
         600089.71    4173512.52        0.00001                    600139.71
4173512.52        0.00001
         600189.71    4173512.52        0.00001                    600239.71
4173512.52        0.00001
         600289.71    4173512.52        0.00001                    600039.71
4173562.52        0.00001
         600089.71    4173562.52        0.00001                    600139.71
4173562.52        0.00001
         600189.71    4173562.52        0.00001                    600239.71
4173562.52        0.00001
         600289.71    4173562.52        0.00001                    600039.71
4173612.52        0.00001
         600089.71    4173612.52        0.00001                    600139.71
4173612.52        0.00001
         600189.71    4173612.52        0.00001                    600239.71
4173612.52        0.00001
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: STAT0-2 ***
INCLUDING SOURCE(S): STATION0_2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600289.71	4173612.52	0.00001	600039.71	4173662.52	0.00001
600089.71	4173662.52	0.00001	600139.71	4173662.52	0.00001
600189.71	4173662.52	0.00001	600239.71	4173662.52	0.00001
600289.71	4173662.52	0.00001	600189.71	4173712.52	0.00001
600239.71	4173712.52	0.00001	600289.71	4173712.52	0.00001
600339.71	4173712.52	0.00001	600389.71	4173712.52	0.00001
600439.71	4173712.52	0.00001	600489.71	4173712.52	0.00001
600539.71	4173712.52	0.00001	600589.71	4173712.52	0.00001
600639.71	4173712.52	0.00001	600689.71	4173712.52	0.00001
600739.71	4173712.52	0.00001	600789.71	4173712.52	0.00001
600839.71	4173712.52	0.00001	600189.71	4173762.52	0.00001
600239.71	4173762.52	0.00001	600289.71	4173762.52	0.00001
600339.71	4173762.52	0.00001	600389.71	4173762.52	0.00001
600439.71	4173762.52	0.00001	600489.71	4173762.52	0.00001
600539.71	4173762.52	0.00001	600589.71	4173762.52	0.00001
600639.71	4173762.52	0.00001	600689.71	4173762.52	0.00001
600739.71	4173762.52	0.00001	600789.71	4173762.52	0.00001
600839.71	4173762.52	0.00001	600889.71	4173762.52	0.00001
600939.71	4173762.52	0.00001	599739.71	4173812.52	0.00001
599789.71	4173812.52	0.00001	599839.71	4173812.52	0.00001
599889.71	4173812.52	0.00001	599939.71	4173812.52	0.00001

```
        597066.05    4173431.45        0.00078                    597116.05
4173431.45        0.00089
        597016.05    4173481.45        0.00039                    597066.05
4173481.45        0.00043
        597116.05    4173481.45        0.00050                    597166.05
4173481.45        0.00055
        596916.05    4173531.45        0.00017                    596966.05
4173531.45        0.00021
        597016.05    4173531.45        0.00025                    597066.05
4173531.45        0.00028
        597116.05    4173531.45        0.00031                    597166.05
4173531.45        0.00034
        596866.05    4173581.45        0.00009                    596916.05
4173581.45        0.00012
        596966.05    4173581.45        0.00014                    597016.05
4173581.45        0.00017
        597066.05    4173581.45        0.00019                    597116.05
4173581.45        0.00021
        597166.05    4173581.45        0.00023                    597216.05
4173581.45        0.00026
        597266.05    4173581.45        0.00028                    597316.05
4173581.45        0.00030
        596866.05    4173631.45        0.00007                    596916.05
4173631.45        0.00009
        596966.05    4173631.45        0.00010                    597016.05
4173631.45        0.00012
        597066.05    4173631.45        0.00014                    597116.05
4173631.45        0.00015
        597166.05    4173631.45        0.00017                    597216.05
4173631.45        0.00019
        597266.05    4173631.45        0.00020                    597316.05
4173631.45        0.00022
        596866.05    4173681.45        0.00005                    596916.05
4173681.45        0.00007
        596966.05    4173681.45        0.00008                    597016.05
4173681.45        0.00009
        597066.05    4173681.45        0.00010                    597116.05
4173681.45        0.00011
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: STAT0-2 ***
INCLUDING SOURCE(S): STATION0_2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
597166.05	4173681.45	0.00013	597216.05	4173681.45	0.00014
597266.05	4173681.45	0.00015	597316.05	4173681.45	0.00016
596866.05	4173731.45	0.00004	596916.05	4173731.45	0.00005
596966.05	4173731.45	0.00006	597016.05	4173731.45	0.00007
597066.05	4173731.45	0.00008	597116.05	4173731.45	0.00009
597166.05	4173731.45	0.00010	597216.05	4173731.45	0.00011
597266.05	4173731.45	0.00012	597316.05	4173731.45	0.00013
596866.05	4173781.45	0.00004	596916.05	4173781.45	0.00004
596966.05	4173781.45	0.00005	597016.05	4173781.45	0.00006
597066.05	4173781.45	0.00006	597116.05	4173781.45	0.00007
597166.05	4173781.45	0.00008	597216.05	4173781.45	0.00009
597266.05	4173781.45	0.00009	597316.05	4173781.45	0.00010
596866.05	4173831.45	0.00003	596916.05	4173831.45	0.00004
596966.05	4173831.45	0.00004	597016.05	4173831.45	0.00005
597066.05	4173831.45	0.00005	597116.05	4173831.45	0.00006
597166.05	4173831.45	0.00006	597216.05	4173831.45	0.00007
597266.05	4173831.45	0.00008	597316.05	4173831.45	0.00008
597137.41	4172899.29	0.00010	597187.41	4172899.29	0.00009
597237.41	4172899.29	0.00009	597287.41	4172899.29	0.00009
597337.41	4172899.29	0.00009	597137.41	4172949.29	0.00013
597187.41	4172949.29	0.00013	597237.41	4172949.29	0.00013

```
         597287.41    4172949.29        0.00012                    597337.41
4172949.29        0.00012
         597137.41    4172999.29        0.00019                    597187.41
4172999.29        0.00019
         597237.41    4172999.29        0.00018                    597287.41
4172999.29        0.00018
         597337.41    4172999.29        0.00017                    597137.41
4173049.29        0.00028
         597187.41    4173049.29        0.00028                    597237.41
4173049.29        0.00028
         597287.41    4173049.29        0.00027                    597337.41
4173049.29        0.00025
         597137.41    4173099.29        0.00044                    597187.41
4173099.29        0.00044
         597237.41    4173099.29        0.00043                    597287.41
4173099.29        0.00042
         597337.41    4173099.29        0.00040
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: STAT2-9 ***
INCLUDING SOURCE(S): STATION2+ ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
599489.71	4172912.52	0.00000	599539.71	4172912.52	0.00000
599589.71	4172912.52	0.00000	599639.71	4172912.52	0.00000
599689.71	4172912.52	0.00000	599739.71	4172912.52	0.00000
599789.71	4172912.52	0.00000	599839.71	4172912.52	0.00000
599889.71	4172912.52	0.00000	599939.71	4172912.52	0.00000
599989.71	4172912.52	0.00000	600039.71	4172912.52	0.00000
600089.71	4172912.52	0.00000	600139.71	4172912.52	0.00000
600189.71	4172912.52	0.00000	600239.71	4172912.52	0.00000
600289.71	4172912.52	0.00000	600339.71	4172912.52	0.00000
600389.71	4172912.52	0.00000	600439.71	4172912.52	0.00000
600489.71	4172912.52	0.00000	600539.71	4172912.52	0.00000
600589.71	4172912.52	0.00000	600639.71	4172912.52	0.00000
600689.71	4172912.52	0.00000	600739.71	4172912.52	0.00000
600789.71	4172912.52	0.00000	600839.71	4172912.52	0.00000
600889.71	4172912.52	0.00000	600939.71	4172912.52	0.00000
600989.71	4172912.52	0.00000	601039.71	4172912.52	0.00000
599489.71	4172962.52	0.00000	599539.71	4172962.52	0.00000
599589.71	4172962.52	0.00000	599639.71	4172962.52	0.00000
599689.71	4172962.52	0.00000	599739.71	4172962.52	0.00000
599789.71	4172962.52	0.00000	599839.71	4172962.52	0.00000
599889.71	4172962.52	0.00000	599939.71	4172962.52	0.00000

```
         599989.71    4172962.52        0.00000                    600039.71
4172962.52        0.00000
         600089.71    4172962.52        0.00000                    600139.71
4172962.52        0.00000
         600189.71    4172962.52        0.00000                    600239.71
4172962.52        0.00000
         600289.71    4172962.52        0.00000                    600339.71
4172962.52        0.00000
         600389.71    4172962.52        0.00000                    600439.71
4172962.52        0.00000
         600489.71    4172962.52        0.00000                    600539.71
4172962.52        0.00000
         600589.71    4172962.52        0.00000                    600639.71
4172962.52        0.00000
         600689.71    4172962.52        0.00000                    600739.71
4172962.52        0.00000
         600789.71    4172962.52        0.00000                    600839.71
4172962.52        0.00000
         600889.71    4172962.52        0.00000                    600939.71
4172962.52        0.00000
         600989.71    4172962.52        0.00000                    601039.71
4172962.52        0.00000
         599539.71    4173012.52        0.00000                    599589.71
4173012.52        0.00000
         599639.71    4173012.52        0.00000                    599689.71
4173012.52        0.00000
         599739.71    4173012.52        0.00000                    599789.71
4173012.52        0.00000
         599839.71    4173012.52        0.00000                    599889.71
4173012.52        0.00000
         599939.71    4173012.52        0.00000                    599989.71
4173012.52        0.00000
         600039.71    4173012.52        0.00000                    600089.71
4173012.52        0.00000
         600139.71    4173012.52        0.00000                    600189.71
4173012.52        0.00000
         600239.71    4173012.52        0.00000                    600289.71
4173012.52        0.00000
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: STAT2-9 ***
INCLUDING SOURCE(S): STATION2+ ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600339.71	4173012.52	0.00000	600389.71	4173012.52	0.00000
600439.71	4173012.52	0.00000	600489.71	4173012.52	0.00000
600539.71	4173012.52	0.00000	600589.71	4173012.52	0.00000
600639.71	4173012.52	0.00000	600689.71	4173012.52	0.00000
600739.71	4173012.52	0.00000	600789.71	4173012.52	0.00000
600839.71	4173012.52	0.00000	600889.71	4173012.52	0.00000
600939.71	4173012.52	0.00000	600989.71	4173012.52	0.00000
601039.71	4173012.52	0.00000	599589.71	4173062.52	0.00000
599639.71	4173062.52	0.00000	599689.71	4173062.52	0.00000
599739.71	4173062.52	0.00000	599789.71	4173062.52	0.00000
599839.71	4173062.52	0.00000	599889.71	4173062.52	0.00000
599939.71	4173062.52	0.00000	599989.71	4173062.52	0.00000
600039.71	4173062.52	0.00000	600089.71	4173062.52	0.00000
600139.71	4173062.52	0.00000	600189.71	4173062.52	0.00000
600239.71	4173062.52	0.00000	600289.71	4173062.52	0.00000
600339.71	4173062.52	0.00000	600389.71	4173062.52	0.00000
600439.71	4173062.52	0.00000	600489.71	4173062.52	0.00000
600539.71	4173062.52	0.00000	600589.71	4173062.52	0.00000
600639.71	4173062.52	0.00000	600689.71	4173062.52	0.00000
600739.71	4173062.52	0.00000	600789.71	4173062.52	0.00000
600839.71	4173062.52	0.00000	600889.71	4173062.52	0.00000

```
         600939.71    4173062.52        0.00000                    600989.71
4173062.52        0.00000
         601039.71    4173062.52        0.00000                    599689.71
4173112.52        0.00000
         599739.71    4173112.52        0.00000                    599789.71
4173112.52        0.00000
         599839.71    4173112.52        0.00000                    599889.71
4173112.52        0.00000
         599939.71    4173112.52        0.00000                    599989.71
4173112.52        0.00000
         600039.71    4173112.52        0.00000                    600089.71
4173112.52        0.00000
         600139.71    4173112.52        0.00000                    600189.71
4173112.52        0.00000
         600239.71    4173112.52        0.00000                    600289.71
4173112.52        0.00000
         600339.71    4173112.52        0.00000                    600389.71
4173112.52        0.00000
         600439.71    4173112.52        0.00000                    600489.71
4173112.52        0.00000
         600539.71    4173112.52        0.00000                    600589.71
4173112.52        0.00000
         600639.71    4173112.52        0.00000                    600689.71
4173112.52        0.00000
         600739.71    4173112.52        0.00000                    600789.71
4173112.52        0.00000
         600839.71    4173112.52        0.00000                    600889.71
4173112.52        0.00000
         600939.71    4173112.52        0.00000                    600989.71
4173112.52        0.00000
         601039.71    4173112.52        0.00000                    599789.71
4173162.52        0.00000
         599839.71    4173162.52        0.00000                    599889.71
4173162.52        0.00000
         599939.71    4173162.52        0.00000                    599989.71
4173162.52        0.00000
         600039.71    4173162.52        0.00000                    600089.71
4173162.52        0.00000
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: STAT2-9 ***
INCLUDING SOURCE(S): STATION2+ ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600139.71	4173162.52	0.00000	600189.71	4173162.52	0.00000
600239.71	4173162.52	0.00000	600289.71	4173162.52	0.00000
600339.71	4173162.52	0.00000	600389.71	4173162.52	0.00000
600439.71	4173162.52	0.00000	600489.71	4173162.52	0.00000
600539.71	4173162.52	0.00000	600589.71	4173162.52	0.00000
600639.71	4173162.52	0.00000	600689.71	4173162.52	0.00000
600739.71	4173162.52	0.00000	600789.71	4173162.52	0.00000
600839.71	4173162.52	0.00000	600889.71	4173162.52	0.00000
600939.71	4173162.52	0.00000	600989.71	4173162.52	0.00000
601039.71	4173162.52	0.00000	599789.71	4173212.52	0.00000
599839.71	4173212.52	0.00000	599889.71	4173212.52	0.00000
599939.71	4173212.52	0.00000	599989.71	4173212.52	0.00000
600039.71	4173212.52	0.00000	600089.71	4173212.52	0.00000
600139.71	4173212.52	0.00000	600189.71	4173212.52	0.00000
600239.71	4173212.52	0.00000	600289.71	4173212.52	0.00000
600339.71	4173212.52	0.00000	600389.71	4173212.52	0.00000
600439.71	4173212.52	0.00000	600489.71	4173212.52	0.00000
600539.71	4173212.52	0.00000	600589.71	4173212.52	0.00000
600639.71	4173212.52	0.00000	600689.71	4173212.52	0.00000
600739.71	4173212.52	0.00000	600789.71	4173212.52	0.00000
600839.71	4173212.52	0.00000	600889.71	4173212.52	0.00000

```
        600939.71    4173212.52        0.00000                    600989.71
4173212.52        0.00000
        601039.71    4173212.52        0.00000                    600039.71
4173362.52        0.00000
        600089.71    4173362.52        0.00000                    600139.71
4173362.52        0.00000
        600189.71    4173362.52        0.00000                    600239.71
4173362.52        0.00000
        600289.71    4173362.52        0.00000                    600039.71
4173412.52        0.00000
        600089.71    4173412.52        0.00000                    600139.71
4173412.52        0.00000
        600189.71    4173412.52        0.00000                    600239.71
4173412.52        0.00000
        600289.71    4173412.52        0.00000                    600039.71
4173462.52        0.00000
        600089.71    4173462.52        0.00000                    600139.71
4173462.52        0.00000
        600189.71    4173462.52        0.00000                    600239.71
4173462.52        0.00000
        600289.71    4173462.52        0.00000                    600039.71
4173512.52        0.00000
        600089.71    4173512.52        0.00000                    600139.71
4173512.52        0.00000
        600189.71    4173512.52        0.00000                    600239.71
4173512.52        0.00000
        600289.71    4173512.52        0.00000                    600039.71
4173562.52        0.00000
        600089.71    4173562.52        0.00000                    600139.71
4173562.52        0.00000
        600189.71    4173562.52        0.00000                    600239.71
4173562.52        0.00000
        600289.71    4173562.52        0.00000                    600039.71
4173612.52        0.00000
        600089.71    4173612.52        0.00000                    600139.71
4173612.52        0.00000
        600189.71    4173612.52        0.00000                    600239.71
4173612.52        0.00000
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: STAT2-9 ***
INCLUDING SOURCE(S): STATION2+ ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600289.71	4173612.52	0.00000	600039.71	4173662.52	0.00000
600089.71	4173662.52	0.00000	600139.71	4173662.52	0.00000
600189.71	4173662.52	0.00000	600239.71	4173662.52	0.00000
600289.71	4173662.52	0.00000	600189.71	4173712.52	0.00000
600239.71	4173712.52	0.00000	600289.71	4173712.52	0.00000
600339.71	4173712.52	0.00000	600389.71	4173712.52	0.00000
600439.71	4173712.52	0.00000	600489.71	4173712.52	0.00000
600539.71	4173712.52	0.00000	600589.71	4173712.52	0.00000
600639.71	4173712.52	0.00000	600689.71	4173712.52	0.00000
600739.71	4173712.52	0.00000	600789.71	4173712.52	0.00000
600839.71	4173712.52	0.00000	600189.71	4173762.52	0.00000
600239.71	4173762.52	0.00000	600289.71	4173762.52	0.00000
600339.71	4173762.52	0.00000	600389.71	4173762.52	0.00000
600439.71	4173762.52	0.00000	600489.71	4173762.52	0.00000
600539.71	4173762.52	0.00000	600589.71	4173762.52	0.00000
600639.71	4173762.52	0.00000	600689.71	4173762.52	0.00000
600739.71	4173762.52	0.00000	600789.71	4173762.52	0.00000
600839.71	4173762.52	0.00000	600889.71	4173762.52	0.00000
600939.71	4173762.52	0.00000	599739.71	4173812.52	0.00000
599789.71	4173812.52	0.00000	599839.71	4173812.52	0.00000
599889.71	4173812.52	0.00000	599939.71	4173812.52	0.00000

```
         597066.05    4173431.45        0.00017                    597116.05
4173431.45        0.00020
         597016.05    4173481.45        0.00009                    597066.05
4173481.45        0.00010
         597116.05    4173481.45        0.00011                    597166.05
4173481.45        0.00012
         596916.05    4173531.45        0.00004                    596966.05
4173531.45        0.00005
         597016.05    4173531.45        0.00006                    597066.05
4173531.45        0.00006
         597116.05    4173531.45        0.00007                    597166.05
4173531.45        0.00008
         596866.05    4173581.45        0.00002                    596916.05
4173581.45        0.00003
         596966.05    4173581.45        0.00003                    597016.05
4173581.45        0.00004
         597066.05    4173581.45        0.00004                    597116.05
4173581.45        0.00005
         597166.05    4173581.45        0.00005                    597216.05
4173581.45        0.00006
         597266.05    4173581.45        0.00006                    597316.05
4173581.45        0.00007
         596866.05    4173631.45        0.00002                    596916.05
4173631.45        0.00002
         596966.05    4173631.45        0.00002                    597016.05
4173631.45        0.00003
         597066.05    4173631.45        0.00003                    597116.05
4173631.45        0.00003
         597166.05    4173631.45        0.00004                    597216.05
4173631.45        0.00004
         597266.05    4173631.45        0.00005                    597316.05
4173631.45        0.00005
         596866.05    4173681.45        0.00001                    596916.05
4173681.45        0.00001
         596966.05    4173681.45        0.00002                    597016.05
4173681.45        0.00002
         597066.05    4173681.45        0.00002                    597116.05
4173681.45        0.00003
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: STAT2-9 ***
INCLUDING SOURCE(S): STATION2+ ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
597166.05	4173681.45	0.00003	597216.05	4173681.45	0.00003
597266.05	4173681.45	0.00003	597316.05	4173681.45	0.00004
596866.05	4173731.45	0.00001	596916.05	4173731.45	0.00001
596966.05	4173731.45	0.00001	597016.05	4173731.45	0.00002
597066.05	4173731.45	0.00002	597116.05	4173731.45	0.00002
597166.05	4173731.45	0.00002	597216.05	4173731.45	0.00002
597266.05	4173731.45	0.00003	597316.05	4173731.45	0.00003
596866.05	4173781.45	0.00001	596916.05	4173781.45	0.00001
596966.05	4173781.45	0.00001	597016.05	4173781.45	0.00001
597066.05	4173781.45	0.00001	597116.05	4173781.45	0.00002
597166.05	4173781.45	0.00002	597216.05	4173781.45	0.00002
597266.05	4173781.45	0.00002	597316.05	4173781.45	0.00002
596866.05	4173831.45	0.00001	596916.05	4173831.45	0.00001
596966.05	4173831.45	0.00001	597016.05	4173831.45	0.00001
597066.05	4173831.45	0.00001	597116.05	4173831.45	0.00001
597166.05	4173831.45	0.00001	597216.05	4173831.45	0.00002
597266.05	4173831.45	0.00002	597316.05	4173831.45	0.00002
597137.41	4172899.29	0.00002	597187.41	4172899.29	0.00002
597237.41	4172899.29	0.00002	597287.41	4172899.29	0.00002
597337.41	4172899.29	0.00002	597137.41	4172949.29	0.00003
597187.41	4172949.29	0.00003	597237.41	4172949.29	0.00003

```
         597287.41    4172949.29        0.00003                    597337.41
4172949.29        0.00003
         597137.41    4172999.29        0.00004                    597187.41
4172999.29        0.00004
         597237.41    4172999.29        0.00004                    597287.41
4172999.29        0.00004
         597337.41    4172999.29        0.00004                    597137.41
4173049.29        0.00006
         597187.41    4173049.29        0.00006                    597237.41
4173049.29        0.00006
         597287.41    4173049.29        0.00006                    597337.41
4173049.29        0.00006
         597137.41    4173099.29        0.00010                    597187.41
4173099.29        0.00010
         597237.41    4173099.29        0.00010                    597287.41
4173099.29        0.00009
         597337.41    4173099.29        0.00009
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TRACK0_2 , TRACK2_9 , STATION0_2 , STATION2+ ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
599489.71	4172912.52	0.00209	599539.71	4172912.52	0.00210
599589.71	4172912.52	0.00211	599639.71	4172912.52	0.00213
599689.71	4172912.52	0.00216	599739.71	4172912.52	0.00220
599789.71	4172912.52	0.00225	599839.71	4172912.52	0.00231
599889.71	4172912.52	0.00239	599939.71	4172912.52	0.00247
599989.71	4172912.52	0.00255	600039.71	4172912.52	0.00262
600089.71	4172912.52	0.00269	600139.71	4172912.52	0.00274
600189.71	4172912.52	0.00277	600239.71	4172912.52	0.00280
600289.71	4172912.52	0.00281	600339.71	4172912.52	0.00281
600389.71	4172912.52	0.00281	600439.71	4172912.52	0.00280
600489.71	4172912.52	0.00278	600539.71	4172912.52	0.00277
600589.71	4172912.52	0.00274	600639.71	4172912.52	0.00271
600689.71	4172912.52	0.00268	600739.71	4172912.52	0.00263
600789.71	4172912.52	0.00257	600839.71	4172912.52	0.00251
600889.71	4172912.52	0.00244	600939.71	4172912.52	0.00235
600989.71	4172912.52	0.00226	601039.71	4172912.52	0.00219
599489.71	4172962.52	0.00246	599539.71	4172962.52	0.00249
599589.71	4172962.52	0.00251	599639.71	4172962.52	0.00255
599689.71	4172962.52	0.00260	599739.71	4172962.52	0.00266
599789.71	4172962.52	0.00274	599839.71	4172962.52	0.00284
599889.71	4172962.52	0.00295	599939.71		

4172962.52 0.00306
599989.71 4172962.52 0.00318 600039.71
4172962.52 0.00330
600089.71 4172962.52 0.00339 600139.71
4172962.52 0.00346
600189.71 4172962.52 0.00350 600239.71
4172962.52 0.00352
600289.71 4172962.52 0.00352 600339.71
4172962.52 0.00351
600389.71 4172962.52 0.00350 600439.71
4172962.52 0.00348
600489.71 4172962.52 0.00347 600539.71
4172962.52 0.00345
600589.71 4172962.52 0.00344 600639.71
4172962.52 0.00344
600689.71 4172962.52 0.00342 600739.71
4172962.52 0.00339
600789.71 4172962.52 0.00332 600839.71
4172962.52 0.00325
600889.71 4172962.52 0.00315 600939.71
4172962.52 0.00303
600989.71 4172962.52 0.00289 601039.71
4172962.52 0.00276
599539.71 4173012.52 0.00301 599589.71
4173012.52 0.00306
599639.71 4173012.52 0.00314 599689.71
4173012.52 0.00325
599739.71 4173012.52 0.00336 599789.71
4173012.52 0.00348
599839.71 4173012.52 0.00360 599889.71
4173012.52 0.00373
599939.71 4173012.52 0.00388 599989.71
4173012.52 0.00407
600039.71 4173012.52 0.00424 600089.71
4173012.52 0.00437
600139.71 4173012.52 0.00446 600189.71
4173012.52 0.00450
600239.71 4173012.52 0.00450 600289.71
4173012.52 0.00448

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TRACK0_2 , TRACK2_9 , STATION0_2 , STATION2+ ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600339.71	4173012.52	0.00443	600389.71	4173012.52	0.00440
600439.71	4173012.52	0.00438	600489.71	4173012.52	0.00437
600539.71	4173012.52	0.00438	600589.71	4173012.52	0.00439
600639.71	4173012.52	0.00443	600689.71	4173012.52	0.00445
600739.71	4173012.52	0.00444	600789.71	4173012.52	0.00439
600839.71	4173012.52	0.00430	600889.71	4173012.52	0.00417
600939.71	4173012.52	0.00399	600989.71	4173012.52	0.00379
601039.71	4173012.52	0.00361	599589.71	4173062.52	0.00392
599639.71	4173062.52	0.00411	599689.71	4173062.52	0.00433
599739.71	4173062.52	0.00453	599789.71	4173062.52	0.00469
599839.71	4173062.52	0.00478	599889.71	4173062.52	0.00488
599939.71	4173062.52	0.00511	599989.71	4173062.52	0.00538
600039.71	4173062.52	0.00563	600089.71	4173062.52	0.00579
600139.71	4173062.52	0.00587	600189.71	4173062.52	0.00589
600239.71	4173062.52	0.00586	600289.71	4173062.52	0.00581
600339.71	4173062.52	0.00573	600389.71	4173062.52	0.00567
600439.71	4173062.52	0.00564	600489.71	4173062.52	0.00564
600539.71	4173062.52	0.00570	600589.71	4173062.52	0.00582
600639.71	4173062.52	0.00595	600689.71	4173062.52	0.00601
600739.71	4173062.52	0.00601	600789.71	4173062.52	0.00595
600839.71	4173062.52	0.00583	600889.71		

4173062.52 0.00563
600939.71 4173062.52 0.00538 600989.71
4173062.52 0.00512
601039.71 4173062.52 0.00484 599689.71
4173112.52 0.00622
599739.71 4173112.52 0.00659 599789.71
4173112.52 0.00684
599839.71 4173112.52 0.00692 599889.71
4173112.52 0.00700
599939.71 4173112.52 0.00724 599989.71
4173112.52 0.00759
600039.71 4173112.52 0.00781 600089.71
4173112.52 0.00789
600139.71 4173112.52 0.00787 600189.71
4173112.52 0.00783
600239.71 4173112.52 0.00779 600289.71
4173112.52 0.00776
600339.71 4173112.52 0.00772 600389.71
4173112.52 0.00778
600439.71 4173112.52 0.00788 600489.71
4173112.52 0.00801
600539.71 4173112.52 0.00817 600589.71
4173112.52 0.00832
600639.71 4173112.52 0.00840 600689.71
4173112.52 0.00841
600739.71 4173112.52 0.00834 600789.71
4173112.52 0.00822
600839.71 4173112.52 0.00802 600889.71
4173112.52 0.00785
600939.71 4173112.52 0.00755 600989.71
4173112.52 0.00715
601039.71 4173112.52 0.00688 599789.71
4173162.52 0.01124
599839.71 4173162.52 0.01107 599889.71
4173162.52 0.01108
599939.71 4173162.52 0.01131 599989.71
4173162.52 0.01154
600039.71 4173162.52 0.01156 600089.71
4173162.52 0.01147

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TRACK0_2 , TRACK2_9 , STATION0_2 , STATION2+ ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600139.71	4173162.52	0.01128	600189.71	4173162.52	0.01126
600239.71	4173162.52	0.01138	600289.71	4173162.52	0.01157
600339.71	4173162.52	0.01170	600389.71	4173162.52	0.01191
600439.71	4173162.52	0.01199	600489.71	4173162.52	0.01202
600539.71	4173162.52	0.01204	600589.71	4173162.52	0.01223
600639.71	4173162.52	0.01231	600689.71	4173162.52	0.01211
600739.71	4173162.52	0.01182	600789.71	4173162.52	0.01166
600839.71	4173162.52	0.01165	600889.71	4173162.52	0.01154
600939.71	4173162.52	0.01124	600989.71	4173162.52	0.01092
601039.71	4173162.52	0.01059	599789.71	4173212.52	0.02084
599839.71	4173212.52	0.02051	599889.71	4173212.52	0.02023
599939.71	4173212.52	0.02009	599989.71	4173212.52	0.02013
600039.71	4173212.52	0.02002	600089.71	4173212.52	0.02001
600139.71	4173212.52	0.01999	600189.71	4173212.52	0.02004
600239.71	4173212.52	0.02014	600289.71	4173212.52	0.02027
600339.71	4173212.52	0.02003	600389.71	4173212.52	0.02026
600439.71	4173212.52	0.02067	600489.71	4173212.52	0.02089
600539.71	4173212.52	0.02046	600589.71	4173212.52	0.02003
600639.71	4173212.52	0.01999	600689.71	4173212.52	0.02048
600739.71	4173212.52	0.02076	600789.71	4173212.52	0.02076
600839.71	4173212.52	0.02050	600889.71		

4173212.52 0.01997
600939.71 4173212.52 0.02011 600989.71
4173212.52 0.02062
601039.71 4173212.52 0.02027 600039.71
4173362.52 0.01712
600089.71 4173362.52 0.01699 600139.71
4173362.52 0.01734
600189.71 4173362.52 0.01806 600239.71
4173362.52 0.01780
600289.71 4173362.52 0.01744 600039.71
4173412.52 0.00844
600089.71 4173412.52 0.00879 600139.71
4173412.52 0.00912
600189.71 4173412.52 0.00916 600239.71
4173412.52 0.00886
600289.71 4173412.52 0.00877 600039.71
4173462.52 0.00555
600089.71 4173462.52 0.00580 600139.71
4173462.52 0.00596
600189.71 4173462.52 0.00588 600239.71
4173462.52 0.00570
600289.71 4173462.52 0.00559 600039.71
4173512.52 0.00371
600089.71 4173512.52 0.00391 600139.71
4173512.52 0.00401
600189.71 4173512.52 0.00403 600239.71
4173512.52 0.00401
600289.71 4173512.52 0.00398 600039.71
4173562.52 0.00261
600089.71 4173562.52 0.00274 600139.71
4173562.52 0.00285
600189.71 4173562.52 0.00292 600239.71
4173562.52 0.00297
600289.71 4173562.52 0.00300 600039.71
4173612.52 0.00198
600089.71 4173612.52 0.00207 600139.71
4173612.52 0.00215
600189.71 4173612.52 0.00223 600239.71
4173612.52 0.00229

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TRACK0_2 , TRACK2_9 , STATION0_2 , STATION2+ ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600289.71	4173612.52	0.00232	600039.71	4173662.52	0.00158
600089.71	4173662.52	0.00164	600139.71	4173662.52	0.00170
600189.71	4173662.52	0.00176	600239.71	4173662.52	0.00181
600289.71	4173662.52	0.00187	600189.71	4173712.52	0.00144
600239.71	4173712.52	0.00149	600289.71	4173712.52	0.00154
600339.71	4173712.52	0.00158	600389.71	4173712.52	0.00161
600439.71	4173712.52	0.00165	600489.71	4173712.52	0.00166
600539.71	4173712.52	0.00166	600589.71	4173712.52	0.00164
600639.71	4173712.52	0.00161	600689.71	4173712.52	0.00158
600739.71	4173712.52	0.00157	600789.71	4173712.52	0.00158
600839.71	4173712.52	0.00162	600189.71	4173762.52	0.00121
600239.71	4173762.52	0.00125	600289.71	4173762.52	0.00129
600339.71	4173762.52	0.00133	600389.71	4173762.52	0.00136
600439.71	4173762.52	0.00140	600489.71	4173762.52	0.00142
600539.71	4173762.52	0.00141	600589.71	4173762.52	0.00141
600639.71	4173762.52	0.00139	600689.71	4173762.52	0.00138
600739.71	4173762.52	0.00136	600789.71	4173762.52	0.00137
600839.71	4173762.52	0.00138	600889.71	4173762.52	0.00142
600939.71	4173762.52	0.00145	599739.71	4173812.52	0.00068
599789.71	4173812.52	0.00074	599839.71	4173812.52	0.00079
599889.71	4173812.52	0.00084	599939.71		

4173812.52 0.00087
597066.05 4173431.45 0.00103 597116.05
4173431.45 0.00117
597016.05 4173481.45 0.00054 597066.05
4173481.45 0.00060
597116.05 4173481.45 0.00068 597166.05
4173481.45 0.00075
596916.05 4173531.45 0.00026 596966.05
4173531.45 0.00032
597016.05 4173531.45 0.00037 597066.05
4173531.45 0.00040
597116.05 4173531.45 0.00044 597166.05
4173531.45 0.00049
596866.05 4173581.45 0.00016 596916.05
4173581.45 0.00020
596966.05 4173581.45 0.00023 597016.05
4173581.45 0.00027
597066.05 4173581.45 0.00029 597116.05
4173581.45 0.00032
597166.05 4173581.45 0.00035 597216.05
4173581.45 0.00037
597266.05 4173581.45 0.00040 597316.05
4173581.45 0.00043
596866.05 4173631.45 0.00013 596916.05
4173631.45 0.00016
596966.05 4173631.45 0.00018 597016.05
4173631.45 0.00020
597066.05 4173631.45 0.00022 597116.05
4173631.45 0.00024
597166.05 4173631.45 0.00026 597216.05
4173631.45 0.00028
597266.05 4173631.45 0.00031 597316.05
4173631.45 0.00033
596866.05 4173681.45 0.00011 596916.05
4173681.45 0.00013
596966.05 4173681.45 0.00014 597016.05
4173681.45 0.00016
597066.05 4173681.45 0.00018 597116.05
4173681.45 0.00019

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TRACK0_2 , TRACK2_9 , STATION0_2 , STATION2+ ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
597166.05	4173681.45	0.00021	597216.05	4173681.45	0.00022
597266.05	4173681.45	0.00024	597316.05	4173681.45	0.00026
596866.05	4173731.45	0.00010	596916.05	4173731.45	0.00011
596966.05	4173731.45	0.00012	597016.05	4173731.45	0.00013
597066.05	4173731.45	0.00014	597116.05	4173731.45	0.00016
597166.05	4173731.45	0.00017	597216.05	4173731.45	0.00018
597266.05	4173731.45	0.00019	597316.05	4173731.45	0.00021
596866.05	4173781.45	0.00008	596916.05	4173781.45	0.00009
596966.05	4173781.45	0.00010	597016.05	4173781.45	0.00011
597066.05	4173781.45	0.00012	597116.05	4173781.45	0.00013
597166.05	4173781.45	0.00014	597216.05	4173781.45	0.00015
597266.05	4173781.45	0.00016	597316.05	4173781.45	0.00017
596866.05	4173831.45	0.00007	596916.05	4173831.45	0.00008
596966.05	4173831.45	0.00009	597016.05	4173831.45	0.00010
597066.05	4173831.45	0.00011	597116.05	4173831.45	0.00011
597166.05	4173831.45	0.00012	597216.05	4173831.45	0.00013
597266.05	4173831.45	0.00014	597316.05	4173831.45	0.00015
597137.41	4172899.29	0.00031	597187.41	4172899.29	0.00031
597237.41	4172899.29	0.00031	597287.41	4172899.29	0.00032
597337.41	4172899.29	0.00033	597137.41	4172949.29	0.00034
597187.41	4172949.29	0.00034	597237.41		

```
4172949.29        0.00035
         597287.41    4172949.29        0.00035                    597337.41
4172949.29        0.00036
         597137.41    4172999.29        0.00040                    597187.41
4172999.29        0.00041
         597237.41    4172999.29        0.00041                    597287.41
4172999.29        0.00041
         597337.41    4172999.29        0.00041                    597137.41
4173049.29        0.00051
         597187.41    4173049.29        0.00051                    597237.41
4173049.29        0.00051
         597287.41    4173049.29        0.00050                    597337.41
4173049.29        0.00049
         597137.41    4173099.29        0.00069                    597187.41
4173099.29        0.00070
         597237.41    4173099.29        0.00069                    597287.41
4173099.29        0.00067
         597337.41    4173099.29        0.00065
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
TRACK0-2	1ST HIGHEST VALUE IS	0.01874 AT (600489.71, 4173212.52, 106.00, 106.00, 1.20)	DC	
	2ND HIGHEST VALUE IS	0.01869 AT (599789.71, 4173212.52, 106.00, 106.00, 1.20)	DC	
	3RD HIGHEST VALUE IS	0.01863 AT (600739.71, 4173212.52, 106.00, 106.00, 1.20)	DC	
	4TH HIGHEST VALUE IS	0.01863 AT (600789.71, 4173212.52, 106.00, 106.00, 1.20)	DC	
	5TH HIGHEST VALUE IS	0.01855 AT (600439.71, 4173212.52, 106.00, 106.00, 1.20)	DC	
	6TH HIGHEST VALUE IS	0.01850 AT (600989.71, 4173212.52, 107.00, 107.00, 1.20)	DC	
	7TH HIGHEST VALUE IS	0.01840 AT (599839.71, 4173212.52, 106.00, 106.00, 1.20)	DC	
	8TH HIGHEST VALUE IS	0.01840 AT (600839.71, 4173212.52, 106.11, 106.11, 1.20)	DC	
	9TH HIGHEST VALUE IS	0.01837 AT (600689.71, 4173212.52, 106.00, 106.00, 1.20)	DC	
	10TH HIGHEST VALUE IS	0.01836 AT (600539.71, 4173212.52, 106.00, 106.00, 1.20)	DC	
TRACK2-9	1ST HIGHEST VALUE IS	0.00213 AT (600489.71, 4173212.52, 106.00, 106.00, 1.20)	DC	
	2ND HIGHEST VALUE IS	0.00213 AT (599789.71, 4173212.52, 106.00, 106.00, 1.20)	DC	
	3RD HIGHEST VALUE IS	0.00212 AT (600739.71, 4173212.52, 106.00, 106.00, 1.20)	DC	
	4TH HIGHEST VALUE IS	0.00212 AT (600789.71, 4173212.52, 106.00, 106.00, 1.20)	DC	
	5TH HIGHEST VALUE IS	0.00211 AT (600439.71, 4173212.52, 106.00, 106.00, 1.20)	DC	
	6TH HIGHEST VALUE IS	0.00211 AT (600989.71, 4173212.52, 107.00, 107.00, 1.20)	DC	
	7TH HIGHEST VALUE IS	0.00209 AT (599839.71, 4173212.52, 106.00, 106.00, 1.20)	DC	
	8TH HIGHEST VALUE IS	0.00209 AT (600839.71, 4173212.52, 106.11, 106.11, 1.20)	DC	
	9TH HIGHEST VALUE IS	0.00209 AT (600689.71, 4173212.52, 106.00, 106.00, 1.20)	DC	
	10TH HIGHEST VALUE IS	0.00209 AT (600539.71, 4173212.52, 106.00, 106.00, 1.20)	DC	

```
STAT0-2   1ST HIGHEST VALUE IS       0.00089 AT (  597116.05,  4173431.45,   100.08,
100.08,    1.20)  DC
          2ND HIGHEST VALUE IS       0.00078 AT (  597066.05,  4173431.45,   100.00,
100.00,    1.20)  DC
          3RD HIGHEST VALUE IS       0.00055 AT (  597166.05,  4173481.45,   101.00,
101.00,    1.20)  DC
          4TH HIGHEST VALUE IS       0.00050 AT (  597116.05,  4173481.45,   100.08,
100.08,    1.20)  DC
          5TH HIGHEST VALUE IS       0.00044 AT (  597187.41,  4173099.29,   100.00,
100.00,    1.20)  DC
          6TH HIGHEST VALUE IS       0.00044 AT (  597137.41,  4173099.29,   100.00,
100.00,    1.20)  DC
          7TH HIGHEST VALUE IS       0.00043 AT (  597237.41,  4173099.29,   100.00,
100.00,    1.20)  DC
          8TH HIGHEST VALUE IS       0.00043 AT (  597066.05,  4173481.45,   100.00,
100.00,    1.20)  DC
          9TH HIGHEST VALUE IS       0.00042 AT (  597287.41,  4173099.29,   100.00,
100.00,    1.20)  DC
         10TH HIGHEST VALUE IS       0.00040 AT (  597337.41,  4173099.29,   100.00,
100.00,    1.20)  DC

STAT2-9   1ST HIGHEST VALUE IS       0.00020 AT (  597116.05,  4173431.45,   100.08,
100.08,    1.20)  DC
          2ND HIGHEST VALUE IS       0.00017 AT (  597066.05,  4173431.45,   100.00,
100.00,    1.20)  DC
          3RD HIGHEST VALUE IS       0.00012 AT (  597166.05,  4173481.45,   101.00,
101.00,    1.20)  DC
          4TH HIGHEST VALUE IS       0.00011 AT (  597116.05,  4173481.45,   100.08,
100.08,    1.20)  DC
          5TH HIGHEST VALUE IS       0.00010 AT (  597187.41,  4173099.29,   100.00,
100.00,    1.20)  DC
          6TH HIGHEST VALUE IS       0.00010 AT (  597137.41,  4173099.29,   100.00,
100.00,    1.20)  DC
          7TH HIGHEST VALUE IS       0.00010 AT (  597237.41,  4173099.29,   100.00,
100.00,    1.20)  DC
          8TH HIGHEST VALUE IS       0.00010 AT (  597066.05,  4173481.45,   100.00,
100.00,    1.20)  DC
          9TH HIGHEST VALUE IS       0.00009 AT (  597287.41,  4173099.29,   100.00,
100.00,    1.20)  DC
         10TH HIGHEST VALUE IS       0.00009 AT (  597337.41,  4173099.29,   100.00,
100.00,    1.20)  DC
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	0.02089 AT (600489.71, 4173212.52, 106.00, 106.00, 1.20)	DC	
	2ND HIGHEST VALUE IS	0.02084 AT (599789.71, 4173212.52, 106.00, 106.00, 1.20)	DC	
	3RD HIGHEST VALUE IS	0.02076 AT (600739.71, 4173212.52, 106.00, 106.00, 1.20)	DC	
	4TH HIGHEST VALUE IS	0.02076 AT (600789.71, 4173212.52, 106.00, 106.00, 1.20)	DC	
	5TH HIGHEST VALUE IS	0.02067 AT (600439.71, 4173212.52, 106.00, 106.00, 1.20)	DC	
	6TH HIGHEST VALUE IS	0.02062 AT (600989.71, 4173212.52, 107.00, 107.00, 1.20)	DC	
	7TH HIGHEST VALUE IS	0.02051 AT (599839.71, 4173212.52, 106.00, 106.00, 1.20)	DC	
	8TH HIGHEST VALUE IS	0.02050 AT (600839.71, 4173212.52, 106.11, 106.11, 1.20)	DC	
	9TH HIGHEST VALUE IS	0.02048 AT (600689.71, 4173212.52, 106.00, 106.00, 1.20)	DC	
	10TH HIGHEST VALUE IS	0.02046 AT (600539.71, 4173212.52, 106.00, 106.00, 1.20)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** Message Summary : AERMOD Model Execution ***

--------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   1 Warning Message(s)
A Total of   15235 Informational Message(s)

A Total of   43872 Hours Were Processed

A Total of   13448 Calm Hours Identified

A Total of   1787 Missing Hours Identified (4.07 Percent)

******** FATAL ERROR MESSAGES ********
*** NONE ***

********   WARNING MESSAGES   ********
MX W481   43873   MAIN: Data Remaining After End of Year. Number of Hours= 48

****
*** AERMOD Finishes Successfully ***
****

```
**
**************************************
**
** AERMOD INPUT PRODUCED BY:
** AERMOD VIEW VER. 9.9.0
** LAKES ENVIRONMENTAL SOFTWARE INC.
** DATE: 7/22/2020
** FILE: C:\LAKES\AERMOD VIEW\VALLEY LINK_DUBLIN_PM25\VALLEY LINK_DUBLIN_PM25.ADI
**
**************************************
**
**
**************************************
** AERMOD CONTROL PATHWAY
**************************************
**
**
CO STARTING
   TITLEONE C:\LAKES\AERMOD VIEW\VALLEY LINK_DUBLIN_DPM\VALLEY LINK_DUBLIN_PM25
   MODELOPT CONC FASTAREA
   AVERTIME ANNUAL
   URBANOPT 1671000 ALAMEDA_COUNTY_POP
   POLLUTID PM_2.5
   FLAGPOLE 1.20
   RUNORNOT RUN
   ERRORFIL "VALLEY LINK_DUBLIN_PM25.ERR"
CO FINISHED
**
**************************************
** AERMOD SOURCE PATHWAY
**************************************
**
**
SO STARTING
** SOURCE LOCATION **
** SOURCE ID - TYPE - X COORD. - Y COORD. **
   LOCATION PM25E_TRK    AREAPOLY   600025.023  4173327.090      106.000
** DESCRSRC WEST TRACK AREA EXHAUST
   LOCATION PM25E_STAT   AREAPOLY   597561.882  4173320.605      102.000
** DESCRSRC DUBLIN STATION EXHUAST
   LOCATION PM25D_STAT   AREAPOLY   597561.880  4173320.600      102.000
** DESCRSRC DUBLIN STATION DUST
   LOCATION PM25D_TRK    AREAPOLY   600025.023  4173327.090      106.000
** DESCRSRC WEST TRACK AREA DUST
** SOURCE PARAMETERS **
   SRCPARAM PM25E_TRK    4.7889E-08     3.000        12     0.700
   AREAVERT PM25E_TRK    600025.023 4173327.090 600813.579 4173328.922
   AREAVERT PM25E_TRK    601084.938 4173335.358 601387.260 4173341.586
   AREAVERT PM25E_TRK    601418.621 4173270.978 601304.682 4173265.568
   AREAVERT PM25E_TRK    601028.944 4173259.275 600760.915 4173261.128
   AREAVERT PM25E_TRK    600524.804 4173262.298 599889.441 4173259.723
   AREAVERT PM25E_TRK    599443.099 4173245.530 599444.392 4173328.806
   SRCPARAM PM25E_STAT   9.4143E-09     3.000         5     0.700
   AREAVERT PM25E_STAT   597561.882 4173320.605 597117.614 4173334.335
   AREAVERT PM25E_STAT   596813.767 4173326.662 596813.767 4173280.625
   AREAVERT PM25E_STAT   597558.993 4173279.671
   SRCPARAM PM25D_STAT   4.8283E-08     0.000         5     1.000
   AREAVERT PM25D_STAT   597561.880 4173320.600 597117.610 4173334.330
   AREAVERT PM25D_STAT   596813.770 4173326.660 596813.770 4173280.620
   AREAVERT PM25D_STAT   597558.990 4173279.670
   SRCPARAM PM25D_TRK    6.2624E-08     0.000        12     1.000
   AREAVERT PM25D_TRK    600025.023 4173327.090 600813.579 4173328.922
   AREAVERT PM25D_TRK    601084.938 4173335.358 601387.260 4173341.586
```

```
   AREAVERT PM25D_TRK    601418.621 4173270.978 601304.682 4173265.568
   AREAVERT PM25D_TRK    601028.944 4173259.275 600760.915 4173261.128
   AREAVERT PM25D_TRK    600524.804 4173262.298 599889.441 4173259.723
   AREAVERT PM25D_TRK    599443.099 4173245.530 599444.392 4173328.806
   URBANSRC ALL

** VARIABLE EMISSIONS TYPE: "BY HOUR / DAY (HRDOW)"
** VARIABLE EMISSION SCENARIO: "DAYTIMEMET"
** WEEKDAYS:
   EMISFACT PM25E_TRK    HRDOW 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT PM25E_TRK    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PM25E_TRK    HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT PM25E_TRK    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** SATURDAY:
   EMISFACT PM25E_TRK    HRDOW 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT PM25E_TRK    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PM25E_TRK    HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT PM25E_TRK    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** SUNDAY:
   EMISFACT PM25E_TRK    HRDOW 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT PM25E_TRK    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PM25E_TRK    HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT PM25E_TRK    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WEEKDAYS:
   EMISFACT PM25E_STAT   HRDOW 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT PM25E_STAT   HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PM25E_STAT   HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT PM25E_STAT   HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** SATURDAY:
   EMISFACT PM25E_STAT   HRDOW 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT PM25E_STAT   HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PM25E_STAT   HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT PM25E_STAT   HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** SUNDAY:
   EMISFACT PM25E_STAT   HRDOW 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT PM25E_STAT   HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PM25E_STAT   HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT PM25E_STAT   HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WEEKDAYS:
   EMISFACT PM25D_STAT   HRDOW 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT PM25D_STAT   HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PM25D_STAT   HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT PM25D_STAT   HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** SATURDAY:
   EMISFACT PM25D_STAT   HRDOW 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT PM25D_STAT   HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PM25D_STAT   HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT PM25D_STAT   HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** SUNDAY:
   EMISFACT PM25D_STAT   HRDOW 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT PM25D_STAT   HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PM25D_STAT   HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT PM25D_STAT   HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WEEKDAYS:
   EMISFACT PM25D_TRK    HRDOW 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT PM25D_TRK    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PM25D_TRK    HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT PM25D_TRK    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** SATURDAY:
   EMISFACT PM25D_TRK    HRDOW 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT PM25D_TRK    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PM25D_TRK    HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT PM25D_TRK    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
** SUNDAY:
   EMISFACT PM25D_TRK    HRDOW 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT PM25D_TRK    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PM25D_TRK    HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT PM25D_TRK    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP TRACKE   PM25E_TRK
   SRCGROUP STATIONE PM25E_STAT
   SRCGROUP STATIOND PM25D_STAT
   SRCGROUP TRACKD   PM25D_TRK
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD RECEPTOR PATHWAY
**************************************
**
**
RE STARTING
   INCLUDED "VALLEY LINK_DUBLIN_PM25.ROU"
RE FINISHED
**
**************************************
** AERMOD METEOROLOGY PATHWAY
**************************************
**
**
ME STARTING
   SURFFILE 724927.SFC
   PROFFILE 724927.PFL
   SURFDATA 23285 2009
   UAIRDATA 23230 2009 OAKLAND/WSO_AP
   PROFBASE 119.8 METERS
ME FINISHED
**
**************************************
** AERMOD OUTPUT PATHWAY
**************************************
**
**
OU STARTING
** AUTO-GENERATED PLOTFILES
   PLOTFILE   ANNUAL ALL "VALLEY LINK_DUBLIN_PM25.AD\AN00GALL.PLT" 31
   PLOTFILE   ANNUAL TRACKE "VALLEY LINK_DUBLIN_PM25.AD\AN00G001.PLT" 32
   PLOTFILE   ANNUAL STATIONE "VALLEY LINK_DUBLIN_PM25.AD\AN00G002.PLT" 33
   PLOTFILE   ANNUAL STATIOND "VALLEY LINK_DUBLIN_PM25.AD\AN00G003.PLT" 34
   PLOTFILE   ANNUAL TRACKD "VALLEY LINK_DUBLIN_PM25.AD\AN00G004.PLT" 35
   SUMMFILE "VALLEY LINK_DUBLIN_PM25.SUM"
OU FINISHED

 *********************************
 *** SETUP Finishes Successfully ***
 *********************************
```

```
                                            ***     MODEL SETUP OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for     4 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   1671000.0 ;  Urban Roughness Length =  1.000 m

 **Model Allows User-Specified Options:
         1. Stack-tip Downwash.
         2. Model Accounts for ELEVated Terrain Effects.
         3. Use Calms Processing Routine.
         4. Use Missing Data Processing Routine.
         5. No Exponential Decay.
         6. Urban Roughness Length of 1.0 Meter Used.

 **Other Options Specified:
         FASTAREA - Use hybrid approach to optimize AREA sources;
                    also applies to LINE sources (formerly TOXICS option)
         CCVR_Sub - Meteorological data includes CCVR substitutions
         TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Accepts FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  PM_2.5

 **Model Calculates ANNUAL Averages Only

 **This Run Includes:      4 Source(s);       5 Source Group(s); and     229 Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:      0 VOLUME source(s)
                 and:      4 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with      0 line(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  14134

 **Output Options Selected:
          Model Outputs Tables of ANNUAL Averages by Receptor
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
```

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 119.80 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.6 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: VALLEY LINK_DUBLIN_PM25.ERR
**File for Summary of Results: VALLEY LINK_DUBLIN_PM25.SUM

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	SZ INIT. (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
PM25E_TRK	0	0.47889E-07	600025.0	4173327.1	106.0	3.00	12	0.70	YES	HRDOW
PM25E_STAT	0	0.94143E-08	597561.9	4173320.6	102.0	3.00	5	0.70	YES	HRDOW
PM25D_STAT	0	0.48283E-07	597561.9	4173320.6	102.0	0.00	5	1.00	YES	HRDOW
PM25D_TRK	0	0.62624E-07	600025.0	4173327.1	106.0	0.00	12	1.00	YES	HRDOW

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
TRACKE	PM25E_TRK ,
STATIONE	PM25E_STAT ,
STATIOND	PM25D_STAT ,
TRACKD	PM25D_TRK ,
ALL	PM25E_TRK , PM25E_STAT , PM25D_STAT , PM25D_TRK ,

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	1671000.	PM25E_TRK , PM25E_STAT , PM25D_STAT , PM25D_TRK ,

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = PM25E_TRK ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.1000E+01	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.1000E+01	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.1000E+01	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = PM25E_STAT ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.1000E+01	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.1000E+01	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.1000E+01	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = PM25D_STAT ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.1000E+01	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.1000E+01	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.1000E+01	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = PM25D_TRK ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.1000E+01	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.1000E+01	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.1000E+01	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(600025.0, 4173327.1, 106.0, 106.0, 1.2); (600813.6, 4173328.9, 107.4, 107.4, 1.2);
(601084.9, 4173335.4, 107.0, 107.0, 1.2); (601387.3, 4173341.6, 108.0, 108.0, 1.2);
(601418.6, 4173271.0, 108.0, 108.0, 1.2); (601304.7, 4173265.6, 108.0, 108.0, 1.2);
(601028.9, 4173259.3, 107.0, 107.0, 1.2); (600760.9, 4173261.1, 107.0, 107.0, 1.2);
(600524.8, 4173262.3, 106.0, 106.0, 1.2); (599889.4, 4173259.7, 106.0, 106.0, 1.2);
(599443.1, 4173245.5, 106.9, 106.9, 1.2); (599444.4, 4173328.8, 107.0, 107.0, 1.2);
(600123.6, 4173327.3, 106.0, 106.0, 1.2); (600222.2, 4173327.5, 106.0, 106.0, 1.2);
(600320.7, 4173327.8, 106.9, 106.9, 1.2); (600419.3, 4173328.0, 106.1, 106.1, 1.2);
(600517.9, 4173328.2, 106.4, 106.4, 1.2); (600616.4, 4173328.5, 106.1, 106.1, 1.2);
(600715.0, 4173328.7, 106.5, 106.5, 1.2); (600904.0, 4173331.1, 107.0, 107.0, 1.2);
(600994.5, 4173333.2, 107.0, 107.0, 1.2); (601160.5, 4173336.9, 107.9, 107.9, 1.2);
(601236.1, 4173338.5, 108.0, 108.0, 1.2); (601311.7, 4173340.0, 108.0, 108.0, 1.2);
(601361.7, 4173268.3, 108.0, 108.0, 1.2); (601212.8, 4173263.5, 107.4, 107.4, 1.2);
(601120.9, 4173261.4, 107.6, 107.6, 1.2); (600939.6, 4173259.9, 107.0, 107.0, 1.2);
(600850.3, 4173260.5, 107.1, 107.1, 1.2); (600682.2, 4173261.5, 106.0, 106.0, 1.2);
(600603.5, 4173261.9, 106.0, 106.0, 1.2); (600434.0, 4173261.9, 106.1, 106.1, 1.2);
(600343.3, 4173261.6, 107.0, 107.0, 1.2); (600252.5, 4173261.2, 106.0, 106.0, 1.2);
(600161.7, 4173260.8, 106.0, 106.0, 1.2); (600071.0, 4173260.5, 106.0, 106.0, 1.2);
(599980.2, 4173260.1, 106.0, 106.0, 1.2); (599800.2, 4173256.9, 106.0, 106.0, 1.2);
(599710.9, 4173254.0, 106.0, 106.0, 1.2); (599621.6, 4173251.2, 107.0, 107.0, 1.2);
(599532.4, 4173248.4, 107.0, 107.0, 1.2); (599541.2, 4173328.5, 107.0, 107.0, 1.2);
(599637.9, 4173328.2, 107.0, 107.0, 1.2); (599734.7, 4173327.9, 106.4, 106.4, 1.2);
(599831.5, 4173327.7, 106.0, 106.0, 1.2); (599928.2, 4173327.4, 106.0, 106.0, 1.2);
(596788.8, 4173280.6, 99.0, 99.0, 1.2); (596788.8, 4173326.7, 100.0, 100.0, 1.2);
(596763.8, 4173280.6, 99.0, 99.0, 1.2); (596763.8, 4173326.7, 99.6, 99.6, 1.2);
(596749.7, 4173254.1, 98.9, 98.9, 1.2); (596787.2,

```
4173216.6,      98.7,      98.7,       1.2);
     ( 596738.8, 4173280.6,      99.0,      99.0,       1.2);         ( 596738.8,
4173326.7,      99.4,      99.4,       1.2);
     ( 596728.4, 4173245.3,      98.6,      98.6,       1.2);         ( 596778.3,
4173195.3,      98.0,      98.0,       1.2);
     ( 596713.8, 4173280.6,      98.9,      98.9,       1.2);         ( 596713.8,
4173326.7,      99.4,      99.4,       1.2);
     ( 596813.1, 4173351.6,     100.0,     100.0,       1.2);         ( 596856.5,
4173352.8,     100.0,     100.0,       1.2);
     ( 596900.0, 4173353.8,     100.0,     100.0,       1.2);         ( 596943.4,
4173354.9,     100.0,     100.0,       1.2);
     ( 596986.8, 4173356.0,     100.0,     100.0,       1.2);         ( 597030.2,
4173357.1,     100.1,     100.1,       1.2);
     ( 597073.6, 4173358.2,     100.5,     100.5,       1.2);         ( 597117.0,
4173359.3,     101.0,     101.0,       1.2);
     ( 596812.5, 4173376.6,     100.0,     100.0,       1.2);         ( 596855.9,
4173377.7,     100.0,     100.0,       1.2);
     ( 596899.3, 4173378.8,     100.0,     100.0,       1.2);         ( 596942.7,
4173379.9,     100.0,     100.0,       1.2);
     ( 596986.1, 4173381.0,     100.0,     100.0,       1.2);         ( 597029.5,
4173382.1,     100.0,     100.0,       1.2);
     ( 597072.9, 4173383.2,     100.5,     100.5,       1.2);         ( 597116.4,
4173384.3,     100.8,     100.8,       1.2);
     ( 596786.0, 4173390.3,     100.0,     100.0,       1.2);         ( 596749.4,
4173352.8,     100.0,     100.0,       1.2);
     ( 596811.9, 4173401.6,     100.0,     100.0,       1.2);         ( 596855.3,
4173402.7,     100.0,     100.0,       1.2);
     ( 596898.7, 4173403.8,     100.0,     100.0,       1.2);         ( 596942.1,
4173404.9,     100.0,     100.0,       1.2);
     ( 596985.5, 4173406.0,     100.0,     100.0,       1.2);         ( 597028.9,
4173407.1,     100.0,     100.0,       1.2);
     ( 597072.3, 4173408.2,     100.0,     100.0,       1.2);         ( 597115.7,
4173409.3,     100.1,     100.1,       1.2);
     ( 596776.7, 4173411.5,     100.0,     100.0,       1.2);         ( 596728.0,
4173361.6,     100.0,     100.0,       1.2);
     ( 596811.2, 4173426.6,     100.0,     100.0,       1.2);         ( 596854.7,
4173427.7,     100.0,     100.0,       1.2);
     ( 596898.1, 4173428.8,     100.0,     100.0,       1.2);         ( 596941.5,
4173429.9,     100.0,     100.0,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(596984.9, 4173431.0, 100.0, 100.0, 1.2); (597028.3, 4173432.1, 100.0, 100.0, 1.2);
(597071.7, 4173433.2, 100.0, 100.0, 1.2); (597115.1, 4173434.3, 100.0, 100.0, 1.2);
(597167.8, 4173357.8, 101.0, 101.0, 1.2); (597217.1, 4173356.3, 101.0, 101.0, 1.2);
(597266.5, 4173354.7, 101.0, 101.0, 1.2); (597315.8, 4173353.2, 101.2, 101.2, 1.2);
(597365.2, 4173351.7, 102.0, 102.0, 1.2); (597414.6, 4173350.2, 102.0, 102.0, 1.2);
(597463.9, 4173348.6, 102.0, 102.0, 1.2); (597513.3, 4173347.1, 102.0, 102.0, 1.2);
(597562.7, 4173345.6, 102.0, 102.0, 1.2); (597168.5, 4173382.8, 101.0, 101.0, 1.2);
(597217.9, 4173381.3, 101.0, 101.0, 1.2); (597267.2, 4173379.7, 101.2, 101.2, 1.2);
(597316.6, 4173378.2, 102.0, 102.0, 1.2); (597366.0, 4173376.7, 102.0, 102.0, 1.2);
(597415.3, 4173375.1, 102.0, 102.0, 1.2); (597464.7, 4173373.6, 102.0, 102.0, 1.2);
(597514.1, 4173372.1, 102.0, 102.0, 1.2); (597563.4, 4173370.6, 102.0, 102.0, 1.2);
(597169.3, 4173407.8, 101.0, 101.0, 1.2); (597218.7, 4173406.2, 101.0, 101.0, 1.2);
(597268.0, 4173404.7, 102.0, 102.0, 1.2); (597317.4, 4173403.2, 102.0, 102.0, 1.2);
(597366.7, 4173401.7, 102.0, 102.0, 1.2); (597416.1, 4173400.1, 102.0, 102.0, 1.2);
(597465.5, 4173398.6, 102.0, 102.0, 1.2); (597514.8, 4173397.1, 102.0, 102.0, 1.2);
(597564.2, 4173395.6, 102.0, 102.0, 1.2); (597170.1, 4173432.8, 101.0, 101.0, 1.2);
(597219.4, 4173431.2, 101.0, 101.0, 1.2); (597268.8, 4173429.7, 102.0, 102.0, 1.2);
(597318.2, 4173428.2, 102.0, 102.0, 1.2); (597367.5, 4173426.6, 102.0, 102.0, 1.2);
(597416.9, 4173425.1, 102.0, 102.0, 1.2); (597466.2, 4173423.6, 102.0, 102.0, 1.2);
(597515.6, 4173422.1, 102.2, 102.2, 1.2); (597565.0, 4173420.5, 102.5, 102.5, 1.2);
(597586.8, 4173318.8, 102.0, 102.0, 1.2); (597583.9, 4173277.9, 102.0, 102.0, 1.2);
(597611.8, 4173317.1, 102.0, 102.0, 1.2); (597608.9, 4173276.1, 102.0, 102.0, 1.2);
(597627.1, 4173343.1, 102.1, 102.1, 1.2); (597590.9, 4173383.2, 102.2, 102.2, 1.2);
(597636.7, 4173315.3, 102.0, 102.0, 1.2); (597633.8, 4173274.4, 102.0, 102.0, 1.2);
(597648.9, 4173350.6, 102.9, 102.9, 1.2); (597600.5, 4173404.1, 103.0, 103.0, 1.2);
(597661.6, 4173313.6, 102.2, 102.2, 1.2); (597658.7,

```
4173272.6,     102.0,     102.0,       1.2);
     ( 597559.0, 4173254.7,     102.0,     102.0,       1.2);         ( 597509.3,
4173254.7,     102.0,     102.0,       1.2);
     ( 597459.6, 4173254.8,     101.0,     101.0,       1.2);         ( 597409.9,
4173254.9,     101.0,     101.0,       1.2);
     ( 597360.2, 4173254.9,     101.0,     101.0,       1.2);         ( 597310.6,
4173255.0,     101.0,     101.0,       1.2);
     ( 597260.9, 4173255.0,     101.0,     101.0,       1.2);         ( 597211.2,
4173255.1,     101.0,     101.0,       1.2);
     ( 597161.5, 4173255.2,     101.0,     101.0,       1.2);         ( 597111.8,
4173255.2,     101.0,     101.0,       1.2);
     ( 597062.1, 4173255.3,     101.0,     101.0,       1.2);         ( 597012.5,
4173255.4,     100.0,     100.0,       1.2);
     ( 596962.8, 4173255.4,     100.0,     100.0,       1.2);         ( 596913.1,
4173255.5,     100.0,     100.0,       1.2);
     ( 596863.4, 4173255.6,      99.6,      99.6,       1.2);         ( 596813.7,
4173255.6,      99.0,      99.0,       1.2);
     ( 597558.9, 4173229.7,     102.0,     102.0,       1.2);         ( 597509.2,
4173229.7,     101.3,     101.3,       1.2);
     ( 597459.6, 4173229.8,     101.0,     101.0,       1.2);         ( 597409.9,
4173229.9,     101.0,     101.0,       1.2);
     ( 597360.2, 4173229.9,     100.3,     100.3,       1.2);         ( 597310.5,
4173230.0,     101.0,     101.0,       1.2);
     ( 597260.8, 4173230.0,     100.2,     100.2,       1.2);         ( 597211.2,
4173230.1,     101.0,     101.0,       1.2);
     ( 597161.5, 4173230.2,     100.5,     100.5,       1.2);         ( 597111.8,
4173230.2,     100.1,     100.1,       1.2);
     ( 597062.1, 4173230.3,     100.1,     100.1,       1.2);         ( 597012.4,
4173230.4,     100.0,     100.0,       1.2);
     ( 596962.8, 4173230.4,     100.0,     100.0,       1.2);         ( 596913.1,
4173230.5,     100.0,     100.0,       1.2);
     ( 596863.4, 4173230.6,      99.1,      99.1,       1.2);         ( 596813.7,
4173230.6,      99.0,      99.0,       1.2);
     ( 597584.5, 4173214.7,     102.0,     102.0,       1.2);         ( 597622.0,
4173249.6,     102.0,     102.0,       1.2);
     ( 597558.9, 4173204.7,     101.9,     101.9,       1.2);         ( 597509.2,
4173204.7,     101.1,     101.1,       1.2);
     ( 597459.5, 4173204.8,     101.0,     101.0,       1.2);         ( 597409.9,
4173204.9,     101.0,     101.0,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(597360.2, 4173204.9, 100.8, 100.8, 1.2); (597310.5, 4173205.0, 100.6, 100.6, 1.2);
(597260.8, 4173205.0, 100.0, 100.0, 1.2); (597211.1, 4173205.1, 100.3, 100.3, 1.2);
(597161.4, 4173205.2, 100.1, 100.1, 1.2); (597111.8, 4173205.2, 100.0, 100.0, 1.2);
(597062.1, 4173205.3, 100.0, 100.0, 1.2); (597012.4, 4173205.4, 100.0, 100.0, 1.2);
(596962.7, 4173205.4, 100.0, 100.0, 1.2); (596913.0, 4173205.5, 99.5, 99.5, 1.2);
(596863.4, 4173205.6, 99.0, 99.0, 1.2); (596813.7, 4173205.6, 99.0, 99.0, 1.2);
(597593.0, 4173193.1, 102.0, 102.0, 1.2); (597642.9, 4173239.5, 102.0, 102.0, 1.2);
(597558.9, 4173179.7, 101.4, 101.4, 1.2); (597509.2, 4173179.7, 101.0, 101.0, 1.2);
(597459.5, 4173179.8, 101.0, 101.0, 1.2); (597409.8, 4173179.9, 101.0, 101.0, 1.2);
(597360.1, 4173179.9, 101.0, 101.0, 1.2); (597310.5, 4173180.0, 100.2, 100.2, 1.2);
(597260.8, 4173180.0, 100.0, 100.0, 1.2); (597211.1, 4173180.1, 100.0, 100.0, 1.2);
(597161.4, 4173180.2, 100.0, 100.0, 1.2); (597111.7, 4173180.2, 100.0, 100.0, 1.2);
(597062.1, 4173180.3, 100.0, 100.0, 1.2); (597012.4, 4173180.4, 100.0, 100.0, 1.2);
(596962.7, 4173180.4, 100.0, 100.0, 1.2); (596913.0, 4173180.5, 99.3, 99.3, 1.2);
(596863.3, 4173180.6, 99.0, 99.0, 1.2); (596813.6, 4173180.6, 99.0, 99.0, 1.2);
(597561.9, 4173320.6, 102.0, 102.0, 1.2); (597117.6, 4173334.3, 101.0, 101.0, 1.2);
(596813.8, 4173326.7, 100.0, 100.0, 1.2); (596813.8, 4173280.6, 99.0, 99.0, 1.2);
(597559.0, 4173279.7, 102.0, 102.0, 1.2); (597473.0, 4173323.3, 102.0, 102.0, 1.2);
(597384.2, 4173326.1, 101.3, 101.3, 1.2); (597295.3, 4173328.8, 101.0, 101.0, 1.2);
(597206.5, 4173331.6, 101.0, 101.0, 1.2); (597041.7, 4173332.4, 100.6, 100.6, 1.2);
(596965.7, 4173330.5, 100.0, 100.0, 1.2); (596889.7, 4173328.6, 100.0, 100.0, 1.2);
(596906.9, 4173280.5, 100.0, 100.0, 1.2); (597000.1, 4173280.4, 100.0, 100.0, 1.2);
(597093.2, 4173280.3, 101.0, 101.0, 1.2); (597186.4, 4173280.1, 101.0, 101.0, 1.2);
(597279.5, 4173280.0, 101.0, 101.0, 1.2); (597372.7, 4173279.9, 101.0, 101.0, 1.2);
(597465.8, 4173279.8, 101.6, 101.6, 1.2);

```
 *** MODELOPTs:    NonDFAULT  CONC  ELEV  FLGPOL  FASTAREA  URBAN

                                            *** METEOROLOGICAL DAYS SELECTED FOR
PROCESSING ***
                                                               (1=YES; 0=NO)

            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1

                NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS
INCLUDED IN THE DATA FILE.



                                  *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED
CATEGORIES ***
                                                            (METERS/SEC)

                                                 1.54,   3.09,   5.14,   8.23,  10.80,
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: 724927.SFC
Met Version: 14134
Profile file: 724927.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23285 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2009 Year: 2009

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
09	01	01	1	01	-12.6	0.221	-9.000	-9.000	-999.	250.	77.5	0.11	0.90	1.00	2.86	51.	10.0	279.2	2.0
09	01	01	1	02	-23.5	0.413	-9.000	-9.000	-999.	637.	269.8	0.11	0.90	1.00	4.86	48.	10.0	279.2	2.0
09	01	01	1	03	-11.1	0.195	-9.000	-9.000	-999.	254.	59.8	0.07	0.90	1.00	2.86	94.	10.0	278.8	2.0
09	01	01	1	04	-9.5	0.166	-9.000	-9.000	-999.	164.	43.7	0.11	0.90	1.00	2.36	53.	10.0	278.1	2.0
09	01	01	1	05	-11.1	0.195	-9.000	-9.000	-999.	206.	59.6	0.07	0.90	1.00	2.86	63.	10.0	278.1	2.0
09	01	01	1	06	-8.2	0.143	-9.000	-9.000	-999.	131.	32.3	0.07	0.90	1.00	2.36	72.	10.0	278.1	2.0
09	01	01	1	07	-8.2	0.143	-9.000	-9.000	-999.	130.	32.3	0.07	0.90	1.00	2.36	75.	10.0	278.1	2.0
09	01	01	1	08	-4.1	0.078	-9.000	-9.000	-999.	53.	10.3	0.11	0.90	0.75	1.76	13.	10.0	277.5	2.0
09	01	01	1	09	-6.3	0.246	-9.000	-9.000	-999.	292.	211.6	0.12	0.90	0.40	2.86	347.	10.0	278.1	2.0
09	01	01	1	10	6.6	0.303	0.261	0.016	96.	401.	-378.3	0.11	0.90	0.27	3.36	51.	10.0	278.8	2.0
09	01	01	1	11	15.4	0.317	0.422	0.017	176.	429.	-186.8	0.07	0.90	0.23	3.86	94.	10.0	279.9	2.0
09	01	01	1	12	47.5	0.448	0.742	0.017	309.	720.	-170.5	0.11	0.90	0.22	4.86	56.	10.0	280.9	2.0
09	01	01	1	13	49.0	0.405	0.820	0.014	403.	621.	-122.0	0.07	0.90	0.21	4.86	63.	10.0	281.4	2.0
09	01	01	1	14	42.7	0.405	0.809	0.014	444.	619.	-139.5	0.11	0.90	0.22	4.36	59.	10.0	282.0	2.0
09	01	01	1	15	60.8	0.372	0.922	0.014	463.	545.	-75.6	0.07	0.90	0.25	4.36	72.	10.0	281.4	2.0
09	01	01	1	16	14.1	0.309	0.569	0.016	467.	414.	-187.5	0.11	0.90	0.34	3.36	54.	10.0	282.0	2.0
09	01	01	1	17	-30.4	0.311	-9.000	-9.000	-999.	417.	89.1	0.07	0.90	0.58	4.36	61.	10.0	280.4	2.0
09	01	01	1	18	-27.0	0.239	-9.000	-9.000	-999.	282.	45.2	0.11	0.90	1.00	3.36	47.	10.0	279.9	2.0
09	01	01	1	19	-14.9	0.131	-9.000	-9.000	-999.	120.	13.7	0.07	0.90	1.00	2.86	64.	10.0	279.2	2.0

```
 09 01 01   1 20   -5.8  0.078 -9.000 -9.000 -999.   53.      7.3  0.11   0.90   1.00
1.76   47.   10.0  278.8    2.0
 09 01 01   1 21 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.10   0.90   1.00
0.00    0.   10.0  277.5    2.0
 09 01 01   1 22   -4.9  0.070 -9.000 -9.000 -999.   44.      6.2  0.07   0.90   1.00
1.76   82.   10.0  276.4    2.0
 09 01 01   1 23 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.10   0.90   1.00
0.00    0.   10.0  277.0    2.0
 09 01 01   1 24 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.10   0.90   1.00
0.00    0.   10.0  277.0    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 09 01 01 01   10.0 1   51.    2.86   279.3   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: TRACKE ***
INCLUDING SOURCE(S): PM25E_TRK ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600025.02	4173327.09	0.04581	600813.58	4173328.92	0.04890
601084.94	4173335.36	0.04886	601387.26	4173341.59	0.04148
601418.62	4173270.98	0.03799	601304.68	4173265.57	0.05552
601028.94	4173259.27	0.05758	600760.91	4173261.13	0.05694
600524.80	4173262.30	0.05534	599889.44	4173259.72	0.05566
599443.10	4173245.53	0.02194	599444.39	4173328.81	0.01043
600123.59	4173327.32	0.04622	600222.16	4173327.55	0.04647
600320.73	4173327.78	0.04861	600419.30	4173328.01	0.04653
600517.87	4173328.23	0.04706	600616.44	4173328.46	0.04629
600715.01	4173328.69	0.04759	600904.03	4173331.07	0.04861
600994.49	4173333.21	0.04949	601160.52	4173336.92	0.04981
601236.10	4173338.47	0.04884	601311.68	4173340.03	0.04710
601361.65	4173268.27	0.05083	601212.77	4173263.47	0.05877
601120.86	4173261.37	0.05937	600939.60	4173259.89	0.05796
600850.26	4173260.51	0.05782	600682.21	4173261.52	0.05471
600603.51	4173261.91	0.05526	600434.04	4173261.93	0.05538
600343.27	4173261.56	0.05677	600252.51	4173261.19	0.05531
600161.74	4173260.83	0.05516	600070.97	4173260.46	0.05489
599980.21	4173260.09	0.05438	599800.17	4173256.88	0.05555
599710.90	4173254.05	0.05530	599621.64	4173251.21	0.05593
599532.37	4173248.37	0.05046	599541.16	4173328.52	0.04241

```
         599637.94    4173328.23        0.04708                    599734.71
4173327.95        0.04678
         599831.48    4173327.66        0.04620                    599928.25
4173327.38        0.04573
         596788.77    4173280.62        0.00014                    596788.77
4173326.66        0.00013
         596763.77    4173280.62        0.00014                    596763.77
4173326.66        0.00013
         596749.74    4173254.12        0.00015                    596787.19
4173216.62        0.00016
         596738.77    4173280.62        0.00014                    596738.77
4173326.66        0.00013
         596728.39    4173245.29        0.00015                    596778.33
4173195.29        0.00016
         596713.77    4173280.62        0.00014                    596713.77
4173326.66        0.00013
         596813.14    4173351.65        0.00013                    596856.54
4173352.75        0.00013
         596899.95    4173353.84        0.00014                    596943.36
4173354.94        0.00014
         596986.76    4173356.03        0.00014                    597030.17
4173357.13        0.00014
         597073.57    4173358.23        0.00015                    597116.98
4173359.32        0.00015
         596812.51    4173376.64        0.00013                    596855.91
4173377.74        0.00013
         596899.32    4173378.84        0.00013                    596942.73
4173379.93        0.00013
         596986.13    4173381.03        0.00014                    597029.54
4173382.12        0.00014
         597072.94    4173383.22        0.00014                    597116.35
4173384.31        0.00014
         596785.97    4173390.33        0.00012                    596749.42
4173352.84        0.00013
         596811.88    4173401.64        0.00012                    596855.28
4173402.73        0.00012
         596898.69    4173403.83        0.00013                    596942.09
4173404.92        0.00013
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: TRACKE ***
INCLUDING SOURCE(S): PM25E_TRK ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
596985.50	4173406.02	0.00013	597028.91	4173407.11	0.00013
597072.31	4173408.21	0.00014	597115.72	4173409.31	0.00014
596776.71	4173411.55	0.00012	596727.97	4173361.57	0.00012
596811.25	4173426.63	0.00012	596854.65	4173427.72	0.00012
596898.06	4173428.82	0.00012	596941.46	4173429.92	0.00012
596984.87	4173431.01	0.00013	597028.28	4173432.11	0.00013
597071.68	4173433.20	0.00013	597115.09	4173434.30	0.00013
597167.75	4173357.79	0.00016	597217.11	4173356.27	0.00016
597266.47	4173354.74	0.00017	597315.84	4173353.22	0.00017
597365.20	4173351.69	0.00018	597414.56	4173350.16	0.00018
597463.93	4173348.64	0.00019	597513.29	4173347.11	0.00019
597562.65	4173345.59	0.00020	597168.52	4173382.78	0.00015
597217.88	4173381.26	0.00015	597267.24	4173379.73	0.00016
597316.61	4173378.20	0.00016	597365.97	4173376.68	0.00017
597415.33	4173375.15	0.00017	597464.70	4173373.63	0.00018
597514.06	4173372.10	0.00018	597563.42	4173370.58	0.00019
597169.29	4173407.77	0.00014	597218.65	4173406.24	0.00015
597268.02	4173404.72	0.00015	597317.38	4173403.19	0.00016
597366.74	4173401.67	0.00016	597416.11	4173400.14	0.00017
597465.47	4173398.62	0.00017	597514.83	4173397.09	0.00018
597564.20	4173395.56	0.00018	597170.06	4173432.76	0.00014

```
         597219.43    4173431.23        0.00014                    597268.79
4173429.71        0.00014
         597318.15    4173428.18        0.00015                    597367.52
4173426.65        0.00015
         597416.88    4173425.13        0.00016                    597466.24
4173423.60        0.00016
         597515.61    4173422.08        0.00017                    597564.97
4173420.55        0.00017
         597586.82    4173318.84        0.00021                    597583.93
4173277.91        0.00023
         597611.76    4173317.08        0.00022                    597608.87
4173276.15        0.00024
         597627.11    4173343.10        0.00021                    597590.86
4173383.22        0.00019
         597636.69    4173315.32        0.00022                    597633.80
4173274.39        0.00024
         597648.86    4173350.60        0.00021                    597600.53
4173404.09        0.00018
         597661.63    4173313.56        0.00023                    597658.74
4173272.63        0.00025
         597558.96    4173254.67        0.00024                    597509.28
4173254.73        0.00023
         597459.60    4173254.80        0.00022                    597409.91
4173254.86        0.00022
         597360.23    4173254.92        0.00021                    597310.55
4173254.99        0.00020
         597260.87    4173255.05        0.00020                    597211.19
4173255.11        0.00019
         597161.51    4173255.18        0.00019                    597111.83
4173255.24        0.00018
         597062.14    4173255.30        0.00018                    597012.46
4173255.37        0.00017
         596962.78    4173255.43        0.00017                    596913.10
4173255.49        0.00016
         596863.42    4173255.56        0.00016                    596813.74
4173255.62        0.00015
         597558.93    4173229.67        0.00025                    597509.24
4173229.73        0.00024
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: TRACKE ***
INCLUDING SOURCE(S): PM25E_TRK ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
597459.56	4173229.80	0.00023	597409.88	4173229.86	0.00023
597360.20	4173229.92	0.00022	597310.52	4173229.99	0.00021
597260.84	4173230.05	0.00021	597211.16	4173230.11	0.00020
597161.48	4173230.18	0.00019	597111.79	4173230.24	0.00019
597062.11	4173230.30	0.00018	597012.43	4173230.37	0.00018
596962.75	4173230.43	0.00017	596913.07	4173230.49	0.00017
596863.39	4173230.56	0.00016	596813.71	4173230.62	0.00016
597584.49	4173214.72	0.00026	597621.95	4173249.58	0.00025
597558.89	4173204.67	0.00026	597509.21	4173204.73	0.00025
597459.53	4173204.80	0.00024	597409.85	4173204.86	0.00024
597360.17	4173204.92	0.00023	597310.49	4173204.99	0.00022
597260.81	4173205.05	0.00021	597211.13	4173205.11	0.00021
597161.44	4173205.18	0.00020	597111.76	4173205.24	0.00020
597062.08	4173205.30	0.00019	597012.40	4173205.37	0.00018
596962.72	4173205.43	0.00018	596913.04	4173205.49	0.00017
596863.36	4173205.56	0.00017	596813.67	4173205.62	0.00016
597592.99	4173193.07	0.00027	597642.93	4173239.55	0.00026
597558.86	4173179.67	0.00027	597509.18	4173179.73	0.00026
597459.50	4173179.80	0.00026	597409.82	4173179.86	0.00025
597360.14	4173179.92	0.00024	597310.46	4173179.99	0.00023
597260.77	4173180.05	0.00022	597211.09	4173180.11	0.00022

```
         597161.41    4173180.18        0.00021                    597111.73
4173180.24        0.00020
         597062.05    4173180.30        0.00020                    597012.37
4173180.37        0.00019
         596962.69    4173180.43        0.00019                    596913.01
4173180.49        0.00018
         596863.32    4173180.56        0.00018                    596813.64
4173180.62        0.00017
         597561.88    4173320.60        0.00021                    597117.61
4173334.33        0.00016
         596813.77    4173326.66        0.00014                    596813.77
4173280.62        0.00015
         597558.99    4173279.67        0.00023                    597473.03
4173323.35        0.00020
         597384.17    4173326.09        0.00019                    597295.32
4173328.84        0.00018
         597206.46    4173331.58        0.00017                    597041.65
4173332.41        0.00015
         596965.69    4173330.50        0.00015                    596889.73
4173328.58        0.00014
         596906.92    4173280.50        0.00015                    597000.07
4173280.38        0.00016
         597093.23    4173280.26        0.00017                    597186.38
4173280.15        0.00018
         597279.53    4173280.03        0.00019                    597372.69
4173279.91        0.00020
         597465.84    4173279.79        0.00021
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: STATIONE ***
INCLUDING SOURCE(S): PM25E_STAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600025.02	4173327.09	0.00002	600813.58	4173328.92	0.00001
601084.94	4173335.36	0.00001	601387.26	4173341.59	0.00001
601418.62	4173270.98	0.00001	601304.68	4173265.57	0.00001
601028.94	4173259.27	0.00001	600760.91	4173261.13	0.00001
600524.80	4173262.30	0.00001	599889.44	4173259.72	0.00002
599443.10	4173245.53	0.00003	599444.39	4173328.81	0.00003
600123.59	4173327.32	0.00002	600222.16	4173327.55	0.00002
600320.73	4173327.78	0.00001	600419.30	4173328.01	0.00001
600517.87	4173328.23	0.00001	600616.44	4173328.46	0.00001
600715.01	4173328.69	0.00001	600904.03	4173331.07	0.00001
600994.49	4173333.21	0.00001	601160.52	4173336.92	0.00001
601236.10	4173338.47	0.00001	601311.68	4173340.03	0.00001
601361.65	4173268.27	0.00001	601212.77	4173263.47	0.00001
601120.86	4173261.37	0.00001	600939.60	4173259.89	0.00001
600850.26	4173260.51	0.00001	600682.21	4173261.52	0.00001
600603.51	4173261.91	0.00001	600434.04	4173261.93	0.00001
600343.27	4173261.56	0.00001	600252.51	4173261.19	0.00002
600161.74	4173260.83	0.00002	600070.97	4173260.46	0.00002
599980.21	4173260.09	0.00002	599800.17	4173256.88	0.00002
599710.90	4173254.05	0.00002	599621.64	4173251.21	0.00002
599532.37	4173248.37	0.00002	599541.16	4173328.52	0.00002

```
         599637.94    4173328.23        0.00002                    599734.71
4173327.95        0.00002
         599831.48    4173327.66        0.00002                    599928.25
4173327.38        0.00002
         596788.77    4173280.62        0.00190                    596788.77
4173326.66        0.00092
         596763.77    4173280.62        0.00121                    596763.77
4173326.66        0.00066
         596749.74    4173254.12        0.00101                    596787.19
4173216.62        0.00096
         596738.77    4173280.62        0.00087                    596738.77
4173326.66        0.00050
         596728.39    4173245.29        0.00082                    596778.33
4173195.29        0.00077
         596713.77    4173280.62        0.00068                    596713.77
4173326.66        0.00041
         596813.14    4173351.65        0.00075                    596856.54
4173352.75        0.00173
         596899.95    4173353.84        0.00241                    596943.36
4173354.94        0.00285
         596986.76    4173356.03        0.00311                    597030.17
4173357.13        0.00331
         597073.57    4173358.23        0.00345                    597116.98
4173359.32        0.00356
         596812.51    4173376.64        0.00047                    596855.91
4173377.74        0.00091
         596899.32    4173378.84        0.00128                    596942.73
4173379.93        0.00152
         596986.13    4173381.03        0.00172                    597029.54
4173382.12        0.00191
         597072.94    4173383.22        0.00202                    597116.35
4173384.31        0.00216
         596785.97    4173390.33        0.00029                    596749.42
4173352.84        0.00036
         596811.88    4173401.64        0.00033                    596855.28
4173402.73        0.00056
         596898.69    4173403.83        0.00081                    596942.09
4173404.92        0.00100
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: STATIONE ***
INCLUDING SOURCE(S): PM25E_STAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
596985.50	4173406.02	0.00114	597028.91	4173407.11	0.00126
597072.31	4173408.21	0.00137	597115.72	4173409.31	0.00151
596776.71	4173411.55	0.00022	596727.97	4173361.57	0.00028
596811.25	4173426.63	0.00026	596854.65	4173427.72	0.00039
596898.06	4173428.82	0.00057	596941.46	4173429.92	0.00072
596984.87	4173431.01	0.00083	597028.28	4173432.11	0.00092
597071.68	4173433.20	0.00100	597115.09	4173434.30	0.00111
597167.75	4173357.79	0.00358	597217.11	4173356.27	0.00373
597266.47	4173354.74	0.00374	597315.84	4173353.22	0.00374
597365.20	4173351.69	0.00362	597414.56	4173350.16	0.00355
597463.93	4173348.64	0.00345	597513.29	4173347.11	0.00332
597562.65	4173345.59	0.00291	597168.52	4173382.78	0.00232
597217.88	4173381.26	0.00231	597267.24	4173379.73	0.00223
597316.61	4173378.20	0.00221	597365.97	4173376.68	0.00219
597415.33	4173375.15	0.00214	597464.70	4173373.63	0.00209
597514.06	4173372.10	0.00202	597563.42	4173370.58	0.00181
597169.29	4173407.77	0.00166	597218.65	4173406.24	0.00168
597268.02	4173404.72	0.00158	597317.38	4173403.19	0.00152
597366.74	4173401.67	0.00150	597416.11	4173400.14	0.00150
597465.47	4173398.62	0.00150	597514.83	4173397.09	0.00143
597564.20	4173395.56	0.00132	597170.06	4173432.76	0.00124

```
        597219.43    4173431.23        0.00126                    597268.79
4173429.71        0.00122
        597318.15    4173428.18        0.00118                    597367.52
4173426.65        0.00115
        597416.88    4173425.13        0.00113                    597466.24
4173423.60        0.00111
        597515.61    4173422.08        0.00107                    597564.97
4173420.55        0.00101
        597586.82    4173318.84        0.00329                    597583.93
4173277.91        0.00339
        597611.76    4173317.08        0.00203                    597608.87
4173276.15        0.00217
        597627.11    4173343.10        0.00135                    597590.86
4173383.22        0.00133
        597636.69    4173315.32        0.00144                    597633.80
4173274.39        0.00153
        597648.86    4173350.60        0.00109                    597600.53
4173404.09        0.00104
        597661.63    4173313.56        0.00119                    597658.74
4173272.63        0.00116
        597558.96    4173254.67        0.00263                    597509.28
4173254.73        0.00318
        597459.60    4173254.80        0.00367                    597409.91
4173254.86        0.00397
        597360.23    4173254.92        0.00416                    597310.55
4173254.99        0.00431
        597260.87    4173255.05        0.00433                    597211.19
4173255.11        0.00432
        597161.51    4173255.18        0.00429                    597111.83
4173255.24        0.00425
        597062.14    4173255.30        0.00414                    597012.46
4173255.37        0.00396
        596962.78    4173255.43        0.00374                    596913.10
4173255.49        0.00335
        596863.42    4173255.56        0.00261                    596813.74
4173255.62        0.00177
        597558.93    4173229.67        0.00165                    597509.24
4173229.73        0.00189
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: STATIONE ***
INCLUDING SOURCE(S): PM25E_STAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
597459.56	4173229.80	0.00214	597409.88	4173229.86	0.00235
597360.20	4173229.92	0.00251	597310.52	4173229.99	0.00260
597260.84	4173230.05	0.00260	597211.16	4173230.11	0.00260
597161.48	4173230.18	0.00258	597111.79	4173230.24	0.00253
597062.11	4173230.30	0.00243	597012.43	4173230.37	0.00228
596962.75	4173230.43	0.00208	596913.07	4173230.49	0.00182
596863.39	4173230.56	0.00148	596813.71	4173230.62	0.00121
597584.49	4173214.72	0.00127	597621.95	4173249.58	0.00144
597558.89	4173204.67	0.00123	597509.21	4173204.73	0.00134
597459.53	4173204.80	0.00148	597409.85	4173204.86	0.00158
597360.17	4173204.92	0.00165	597310.49	4173204.99	0.00170
597260.81	4173205.05	0.00174	597211.13	4173205.11	0.00177
597161.44	4173205.18	0.00177	597111.76	4173205.24	0.00172
597062.08	4173205.30	0.00160	597012.40	4173205.37	0.00146
596962.72	4173205.43	0.00133	596913.04	4173205.49	0.00118
596863.36	4173205.56	0.00100	596813.67	4173205.62	0.00091
597592.99	4173193.07	0.00102	597642.93	4173239.55	0.00113
597558.86	4173179.67	0.00096	597509.18	4173179.73	0.00102
597459.50	4173179.80	0.00108	597409.82	4173179.86	0.00114
597360.14	4173179.92	0.00118	597310.46	4173179.99	0.00121
597260.77	4173180.05	0.00123	597211.09	4173180.11	0.00125

```
         597161.41    4173180.18        0.00124                    597111.73
4173180.24        0.00120
         597062.05    4173180.30        0.00111                    597012.37
4173180.37        0.00104
         596962.69    4173180.43        0.00095                    596913.01
4173180.49        0.00084
         596863.32    4173180.56        0.00075                    596813.64
4173180.62        0.00071
         597561.88    4173320.60        0.00607                    597117.61
4173334.33        0.00737
         596813.77    4173326.66        0.00148                    596813.77
4173280.62        0.00283
         597558.99    4173279.67        0.00586                    597473.03
4173323.35        0.00736
         597384.17    4173326.09        0.00751                    597295.32
4173328.84        0.00766
         597206.46    4173331.58        0.00778                    597041.65
4173332.41        0.00715
         596965.69    4173330.50        0.00657                    596889.73
4173328.58        0.00575
         596906.92    4173280.50        0.00738                    597000.07
4173280.38        0.00813
         597093.23    4173280.26        0.00891                    597186.38
4173280.15        0.00898
         597279.53    4173280.03        0.00894                    597372.69
4173279.91        0.00870
         597465.84    4173279.79        0.00827
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: STATIOND ***
INCLUDING SOURCE(S): PM25D_STAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600025.02	4173327.09	0.00009	600813.58	4173328.92	0.00006
601084.94	4173335.36	0.00005	601387.26	4173341.59	0.00005
601418.62	4173270.98	0.00005	601304.68	4173265.57	0.00005
601028.94	4173259.27	0.00006	600760.91	4173261.13	0.00006
600524.80	4173262.30	0.00007	599889.44	4173259.72	0.00010
599443.10	4173245.53	0.00014	599444.39	4173328.81	0.00013
600123.59	4173327.32	0.00008	600222.16	4173327.55	0.00008
600320.73	4173327.78	0.00007	600419.30	4173328.01	0.00007
600517.87	4173328.23	0.00007	600616.44	4173328.46	0.00006
600715.01	4173328.69	0.00006	600904.03	4173331.07	0.00006
600994.49	4173333.21	0.00005	601160.52	4173336.92	0.00005
601236.10	4173338.47	0.00005	601311.68	4173340.03	0.00005
601361.65	4173268.27	0.00005	601212.77	4173263.47	0.00005
601120.86	4173261.37	0.00005	600939.60	4173259.89	0.00006
600850.26	4173260.51	0.00006	600682.21	4173261.52	0.00006
600603.51	4173261.91	0.00007	600434.04	4173261.93	0.00007
600343.27	4173261.56	0.00008	600252.51	4173261.19	0.00008
600161.74	4173260.83	0.00008	600070.97	4173260.46	0.00009
599980.21	4173260.09	0.00009	599800.17	4173256.88	0.00010
599710.90	4173254.05	0.00011	599621.64	4173251.21	0.00012
599532.37	4173248.37	0.00013	599541.16	4173328.52	0.00012

```
         599637.94    4173328.23        0.00011                    599734.71
4173327.95        0.00011
         599831.48    4173327.66        0.00010                    599928.25
4173327.38        0.00009
         596788.77    4173280.62        0.01175                    596788.77
4173326.66        0.00463
         596763.77    4173280.62        0.00712                    596763.77
4173326.66        0.00309
         596749.74    4173254.12        0.00600                    596787.19
4173216.62        0.00537
         596738.77    4173280.62        0.00500                    596738.77
4173326.66        0.00229
         596728.39    4173245.29        0.00487                    596778.33
4173195.29        0.00422
         596713.77    4173280.62        0.00381                    596713.77
4173326.66        0.00187
         596813.14    4173351.65        0.00375                    596856.54
4173352.75        0.00954
         596899.95    4173353.84        0.01305                    596943.36
4173354.94        0.01511
         596986.76    4173356.03        0.01626                    597030.17
4173357.13        0.01700
         597073.57    4173358.23        0.01757                    597116.98
4173359.32        0.01822
         596812.51    4173376.64        0.00228                    596855.91
4173377.74        0.00460
         596899.32    4173378.84        0.00665                    596942.73
4173379.93        0.00801
         596986.13    4173381.03        0.00907                    597029.54
4173382.12        0.00992
         597072.94    4173383.22        0.01046                    597116.35
4173384.31        0.01101
         596785.97    4173390.33        0.00139                    596749.42
4173352.84        0.00158
         596811.88    4173401.64        0.00163                    596855.28
4173402.73        0.00281
         596898.69    4173403.83        0.00416                    596942.09
4173404.92        0.00514
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: STATIOND ***
INCLUDING SOURCE(S): PM25D_STAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
596985.50	4173406.02	0.00588	597028.91	4173407.11	0.00652
597072.31	4173408.21	0.00700	597115.72	4173409.31	0.00755
596776.71	4173411.55	0.00108	596727.97	4173361.57	0.00121
596811.25	4173426.63	0.00129	596854.65	4173427.72	0.00199
596898.06	4173428.82	0.00290	596941.46	4173429.92	0.00364
596984.87	4173431.01	0.00420	597028.28	4173432.11	0.00463
597071.68	4173433.20	0.00496	597115.09	4173434.30	0.00538
597167.75	4173357.79	0.01904	597217.11	4173356.27	0.01956
597266.47	4173354.74	0.01938	597315.84	4173353.22	0.01920
597365.20	4173351.69	0.01881	597414.56	4173350.16	0.01847
597463.93	4173348.64	0.01796	597513.29	4173347.11	0.01730
597562.65	4173345.59	0.01528	597168.52	4173382.78	0.01214
597217.88	4173381.26	0.01196	597267.24	4173379.73	0.01165
597316.61	4173378.20	0.01150	597365.97	4173376.68	0.01139
597415.33	4173375.15	0.01120	597464.70	4173373.63	0.01091
597514.06	4173372.10	0.01053	597563.42	4173370.58	0.00950
597169.29	4173407.77	0.00856	597218.65	4173406.24	0.00854
597268.02	4173404.72	0.00822	597317.38	4173403.19	0.00805
597366.74	4173401.67	0.00792	597416.11	4173400.14	0.00783
597465.47	4173398.62	0.00771	597514.83	4173397.09	0.00746
597564.20	4173395.56	0.00687	597170.06	4173432.76	0.00624

```
         597219.43    4173431.23        0.00648                    597268.79
4173429.71        0.00638
         597318.15    4173428.18        0.00623                    597367.52
4173426.65        0.00608
         597416.88    4173425.13        0.00596                    597466.24
4173423.60        0.00584
         597515.61    4173422.08        0.00561                    597564.97
4173420.55        0.00523
         597586.82    4173318.84        0.01769                    597583.93
4173277.91        0.01908
         597611.76    4173317.08        0.01065                    597608.87
4173276.15        0.01185
         597627.11    4173343.10        0.00684                    597590.86
4173383.22        0.00699
         597636.69    4173315.32        0.00751                    597633.80
4173274.39        0.00820
         597648.86    4173350.60        0.00553                    597600.53
4173404.09        0.00547
         597661.63    4173313.56        0.00608                    597658.74
4173272.63        0.00620
         597558.96    4173254.67        0.01423                    597509.28
4173254.73        0.01714
         597459.60    4173254.80        0.01983                    597409.91
4173254.86        0.02152
         597360.23    4173254.92        0.02261                    597310.55
4173254.99        0.02315
         597260.87    4173255.05        0.02324                    597211.19
4173255.11        0.02316
         597161.51    4173255.18        0.02313                    597111.83
4173255.24        0.02311
         597062.14    4173255.30        0.02243                    597012.46
4173255.37        0.02142
         596962.78    4173255.43        0.02019                    596913.10
4173255.49        0.01802
         596863.42    4173255.56        0.01415                    596813.74
4173255.62        0.01011
         597558.93    4173229.67        0.00893                    597509.24
4173229.73        0.00998
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: STATIOND ***
INCLUDING SOURCE(S): PM25D_STAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
597459.56	4173229.80	0.01137	597409.88	4173229.86	0.01245
597360.20	4173229.92	0.01310	597310.52	4173229.99	0.01345
597260.84	4173230.05	0.01364	597211.16	4173230.11	0.01372
597161.48	4173230.18	0.01381	597111.79	4173230.24	0.01372
597062.11	4173230.30	0.01298	597012.43	4173230.37	0.01195
596962.75	4173230.43	0.01073	596913.07	4173230.49	0.00948
596863.39	4173230.56	0.00775	596813.71	4173230.62	0.00665
597584.49	4173214.72	0.00708	597621.95	4173249.58	0.00794
597558.89	4173204.67	0.00655	597509.21	4173204.73	0.00699
597459.53	4173204.80	0.00756	597409.85	4173204.86	0.00806
597360.17	4173204.92	0.00843	597310.49	4173204.99	0.00870
597260.81	4173205.05	0.00891	597211.13	4173205.11	0.00908
597161.44	4173205.18	0.00916	597111.76	4173205.24	0.00895
597062.08	4173205.30	0.00829	597012.40	4173205.37	0.00756
596962.72	4173205.43	0.00687	596913.04	4173205.49	0.00605
596863.36	4173205.56	0.00519	596813.67	4173205.62	0.00484
597592.99	4173193.07	0.00567	597642.93	4173239.55	0.00630
597558.86	4173179.67	0.00505	597509.18	4173179.73	0.00516
597459.50	4173179.80	0.00538	597409.82	4173179.86	0.00564
597360.14	4173179.92	0.00588	597310.46	4173179.99	0.00605
597260.77	4173180.05	0.00613	597211.09	4173180.11	0.00612

```
         597161.41    4173180.18        0.00606                    597111.73
4173180.24        0.00594
         597062.05    4173180.30        0.00569                    597012.37
4173180.37        0.00528
         596962.69    4173180.43        0.00476                    596913.01
4173180.49        0.00417
         596863.32    4173180.56        0.00376                    596813.64
4173180.62        0.00365
         597561.88    4173320.60        0.04581                    597117.61
4173334.33        0.05950
         596813.77    4173326.66        0.01144                    596813.77
4173280.62        0.02355
         597558.99    4173279.67        0.04182                    597473.03
4173323.35        0.05556
         597384.17    4173326.09        0.06032                    597295.32
4173328.84        0.06201
         597206.46    4173331.58        0.06246                    597041.65
4173332.41        0.05927
         596965.69    4173330.50        0.05460                    596889.73
4173328.58        0.05001
         596906.92    4173280.50        0.06278                    597000.07
4173280.38        0.06670
         597093.23    4173280.26        0.07175                    597186.38
4173280.15        0.07213
         597279.53    4173280.03        0.07209                    597372.69
4173279.91        0.07062
         597465.84    4173279.79        0.06533
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: TRACKD ***
INCLUDING SOURCE(S): PM25D_TRK ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600025.02	4173327.09	0.08252	600813.58	4173328.92	0.07307
601084.94	4173335.36	0.07572	601387.26	4173341.59	0.06042
601418.62	4173270.98	0.05542	601304.68	4173265.57	0.07981
601028.94	4173259.27	0.09037	600760.91	4173261.13	0.09005
600524.80	4173262.30	0.09887	599889.44	4173259.72	0.09981
599443.10	4173245.53	0.03588	599444.39	4173328.81	0.01491
600123.59	4173327.32	0.08177	600222.16	4173327.55	0.08265
600320.73	4173327.78	0.07599	600419.30	4173328.01	0.08214
600517.87	4173328.23	0.07956	600616.44	4173328.46	0.08197
600715.01	4173328.69	0.07971	600904.03	4173331.07	0.07434
600994.49	4173333.21	0.07561	601160.52	4173336.92	0.06982
601236.10	4173338.47	0.06870	601311.68	4173340.03	0.06712
601361.65	4173268.27	0.07451	601212.77	4173263.47	0.08861
601120.86	4173261.37	0.08868	600939.60	4173259.89	0.09170
600850.26	4173260.51	0.09102	600682.21	4173261.52	0.09838
600603.51	4173261.91	0.09985	600434.04	4173261.93	0.09804
600343.27	4173261.56	0.08974	600252.51	4173261.19	0.09906
600161.74	4173260.83	0.09848	600070.97	4173260.46	0.09863
599980.21	4173260.09	0.09878	599800.17	4173256.88	0.09942
599710.90	4173254.05	0.09936	599621.64	4173251.21	0.08946
599532.37	4173248.37	0.08180	599541.16	4173328.52	0.06644

```
         599637.94    4173328.23        0.07291                    599734.71
4173327.95        0.07914
         599831.48    4173327.66        0.08259                    599928.25
4173327.38        0.08219
         596788.77    4173280.62        0.00016                    596788.77
4173326.66        0.00015
         596763.77    4173280.62        0.00016                    596763.77
4173326.66        0.00014
         596749.74    4173254.12        0.00017                    596787.19
4173216.62        0.00019
         596738.77    4173280.62        0.00016                    596738.77
4173326.66        0.00014
         596728.39    4173245.29        0.00017                    596778.33
4173195.29        0.00020
         596713.77    4173280.62        0.00016                    596713.77
4173326.66        0.00014
         596813.14    4173351.65        0.00014                    596856.54
4173352.75        0.00014
         596899.95    4173353.84        0.00015                    596943.36
4173354.94        0.00015
         596986.76    4173356.03        0.00015                    597030.17
4173357.13        0.00016
         597073.57    4173358.23        0.00016                    597116.98
4173359.32        0.00016
         596812.51    4173376.64        0.00014                    596855.91
4173377.74        0.00014
         596899.32    4173378.84        0.00014                    596942.73
4173379.93        0.00014
         596986.13    4173381.03        0.00015                    597029.54
4173382.12        0.00015
         597072.94    4173383.22        0.00015                    597116.35
4173384.31        0.00016
         596785.97    4173390.33        0.00013                    596749.42
4173352.84        0.00014
         596811.88    4173401.64        0.00013                    596855.28
4173402.73        0.00013
         596898.69    4173403.83        0.00014                    596942.09
4173404.92        0.00014
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: TRACKD ***
INCLUDING SOURCE(S): PM25D_TRK ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
596985.50	4173406.02	0.00014	597028.91	4173407.11	0.00014
597072.31	4173408.21	0.00015	597115.72	4173409.31	0.00015
596776.71	4173411.55	0.00013	596727.97	4173361.57	0.00013
596811.25	4173426.63	0.00013	596854.65	4173427.72	0.00013
596898.06	4173428.82	0.00013	596941.46	4173429.92	0.00013
596984.87	4173431.01	0.00014	597028.28	4173432.11	0.00014
597071.68	4173433.20	0.00014	597115.09	4173434.30	0.00015
597167.75	4173357.79	0.00017	597217.11	4173356.27	0.00017
597266.47	4173354.74	0.00018	597315.84	4173353.22	0.00018
597365.20	4173351.69	0.00019	597414.56	4173350.16	0.00020
597463.93	4173348.64	0.00020	597513.29	4173347.11	0.00021
597562.65	4173345.59	0.00022	597168.52	4173382.78	0.00016
597217.88	4173381.26	0.00017	597267.24	4173379.73	0.00017
597316.61	4173378.20	0.00018	597365.97	4173376.68	0.00018
597415.33	4173375.15	0.00019	597464.70	4173373.63	0.00019
597514.06	4173372.10	0.00020	597563.42	4173370.58	0.00021
597169.29	4173407.77	0.00016	597218.65	4173406.24	0.00016
597268.02	4173404.72	0.00016	597317.38	4173403.19	0.00017
597366.74	4173401.67	0.00017	597416.11	4173400.14	0.00018
597465.47	4173398.62	0.00019	597514.83	4173397.09	0.00019
597564.20	4173395.56	0.00020	597170.06	4173432.76	0.00015

```
         597219.43    4173431.23        0.00015                    597268.79
4173429.71        0.00016
         597318.15    4173428.18        0.00016                    597367.52
4173426.65        0.00017
         597416.88    4173425.13        0.00017                    597466.24
4173423.60        0.00018
         597515.61    4173422.08        0.00018                    597564.97
4173420.55        0.00019
         597586.82    4173318.84        0.00024                    597583.93
4173277.91        0.00026
         597611.76    4173317.08        0.00024                    597608.87
4173276.15        0.00027
         597627.11    4173343.10        0.00023                    597590.86
4173383.22        0.00021
         597636.69    4173315.32        0.00025                    597633.80
4173274.39        0.00028
         597648.86    4173350.60        0.00023                    597600.53
4173404.09        0.00020
         597661.63    4173313.56        0.00025                    597658.74
4173272.63        0.00028
         597558.96    4173254.67        0.00028                    597509.28
4173254.73        0.00027
         597459.60    4173254.80        0.00026                    597409.91
4173254.86        0.00025
         597360.23    4173254.92        0.00024                    597310.55
4173254.99        0.00023
         597260.87    4173255.05        0.00023                    597211.19
4173255.11        0.00022
         597161.51    4173255.18        0.00021                    597111.83
4173255.24        0.00021
         597062.14    4173255.30        0.00020                    597012.46
4173255.37        0.00019
         596962.78    4173255.43        0.00019                    596913.10
4173255.49        0.00018
         596863.42    4173255.56        0.00018                    596813.74
4173255.62        0.00017
         597558.93    4173229.67        0.00030                    597509.24
4173229.73        0.00029
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: TRACKD ***
INCLUDING SOURCE(S): PM25D_TRK ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
597459.56	4173229.80	0.00028	597409.88	4173229.86	0.00027
597360.20	4173229.92	0.00026	597310.52	4173229.99	0.00025
597260.84	4173230.05	0.00024	597211.16	4173230.11	0.00024
597161.48	4173230.18	0.00023	597111.79	4173230.24	0.00022
597062.11	4173230.30	0.00021	597012.43	4173230.37	0.00021
596962.75	4173230.43	0.00020	596913.07	4173230.49	0.00020
596863.39	4173230.56	0.00019	596813.71	4173230.62	0.00018
597584.49	4173214.72	0.00032	597621.95	4173249.58	0.00030
597558.89	4173204.67	0.00032	597509.21	4173204.73	0.00031
597459.53	4173204.80	0.00030	597409.85	4173204.86	0.00029
597360.17	4173204.92	0.00028	597310.49	4173204.99	0.00027
597260.81	4173205.05	0.00026	597211.13	4173205.11	0.00025
597161.44	4173205.18	0.00024	597111.76	4173205.24	0.00024
597062.08	4173205.30	0.00023	597012.40	4173205.37	0.00022
596962.72	4173205.43	0.00022	596913.04	4173205.49	0.00021
596863.36	4173205.56	0.00020	596813.67	4173205.62	0.00020
597592.99	4173193.07	0.00035	597642.93	4173239.55	0.00031
597558.86	4173179.67	0.00035	597509.18	4173179.73	0.00034
597459.50	4173179.80	0.00032	597409.82	4173179.86	0.00031
597360.14	4173179.92	0.00030	597310.46	4173179.99	0.00029
597260.77	4173180.05	0.00028	597211.09	4173180.11	0.00027

```
         597161.41    4173180.18        0.00026                    597111.73
4173180.24        0.00025
         597062.05    4173180.30        0.00024                    597012.37
4173180.37        0.00024
         596962.69    4173180.43        0.00023                    596913.01
4173180.49        0.00022
         596863.32    4173180.56        0.00022                    596813.64
4173180.62        0.00021
         597561.88    4173320.60        0.00023                    597117.61
4173334.33        0.00017
         596813.77    4173326.66        0.00015                    596813.77
4173280.62        0.00016
         597558.99    4173279.67        0.00026                    597473.03
4173323.35        0.00022
         597384.17    4173326.09        0.00020                    597295.32
4173328.84        0.00019
         597206.46    4173331.58        0.00018                    597041.65
4173332.41        0.00017
         596965.69    4173330.50        0.00016                    596889.73
4173328.58        0.00015
         596906.92    4173280.50        0.00017                    597000.07
4173280.38        0.00018
         597093.23    4173280.26        0.00019                    597186.38
4173280.15        0.00020
         597279.53    4173280.03        0.00021                    597372.69
4173279.91        0.00023
         597465.84    4173279.79        0.00024
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PM25E_TRK , PM25E_STAT , PM25D_STAT , PM25D_TRK ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600025.02	4173327.09	0.12844	600813.58	4173328.92	0.12204
601084.94	4173335.36	0.12464	601387.26	4173341.59	0.10196
601418.62	4173270.98	0.09347	601304.68	4173265.57	0.13539
601028.94	4173259.27	0.14802	600760.91	4173261.13	0.14706
600524.80	4173262.30	0.15430	599889.44	4173259.72	0.15559
599443.10	4173245.53	0.05799	599444.39	4173328.81	0.02550
600123.59	4173327.32	0.12809	600222.16	4173327.55	0.12922
600320.73	4173327.78	0.12469	600419.30	4173328.01	0.12876
600517.87	4173328.23	0.12670	600616.44	4173328.46	0.12834
600715.01	4173328.69	0.12737	600904.03	4173331.07	0.12301
600994.49	4173333.21	0.12516	601160.52	4173336.92	0.11970
601236.10	4173338.47	0.11760	601311.68	4173340.03	0.11428
601361.65	4173268.27	0.12540	601212.77	4173263.47	0.14745
601120.86	4173261.37	0.14812	600939.60	4173259.89	0.14973
600850.26	4173260.51	0.14890	600682.21	4173261.52	0.15317
600603.51	4173261.91	0.15519	600434.04	4173261.93	0.15350
600343.27	4173261.56	0.14660	600252.51	4173261.19	0.15447
600161.74	4173260.83	0.15374	600070.97	4173260.46	0.15363
599980.21	4173260.09	0.15327	599800.17	4173256.88	0.15510
599710.90	4173254.05	0.15480	599621.64	4173251.21	0.14553
599532.37	4173248.37	0.13241	599541.16		

4173328.52 0.10899
599637.94 4173328.23 0.12013 599734.71
4173327.95 0.12606
599831.48 4173327.66 0.12891 599928.25
4173327.38 0.12804
596788.77 4173280.62 0.01395 596788.77
4173326.66 0.00584
596763.77 4173280.62 0.00864 596763.77
4173326.66 0.00404
596749.74 4173254.12 0.00733 596787.19
4173216.62 0.00667
596738.77 4173280.62 0.00617 596738.77
4173326.66 0.00307
596728.39 4173245.29 0.00601 596778.33
4173195.29 0.00535
596713.77 4173280.62 0.00478 596713.77
4173326.66 0.00255
596813.14 4173351.65 0.00477 596856.54
4173352.75 0.01155
596899.95 4173353.84 0.01574 596943.36
4173354.94 0.01825
596986.76 4173356.03 0.01966 597030.17
4173357.13 0.02061
597073.57 4173358.23 0.02133 597116.98
4173359.32 0.02210
596812.51 4173376.64 0.00302 596855.91
4173377.74 0.00577
596899.32 4173378.84 0.00821 596942.73
4173379.93 0.00980
596986.13 4173381.03 0.01107 597029.54
4173382.12 0.01211
597072.94 4173383.22 0.01278 597116.35
4173384.31 0.01347
596785.97 4173390.33 0.00194 596749.42
4173352.84 0.00220
596811.88 4173401.64 0.00221 596855.28
4173402.73 0.00362
596898.69 4173403.83 0.00524 596942.09
4173404.92 0.00640

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PM25E_TRK , PM25E_STAT , PM25D_STAT , PM25D_TRK ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
596985.50	4173406.02	0.00730	597028.91	4173407.11	0.00806
597072.31	4173408.21	0.00866	597115.72	4173409.31	0.00935
596776.71	4173411.55	0.00154	596727.97	4173361.57	0.00174
596811.25	4173426.63	0.00179	596854.65	4173427.72	0.00263
596898.06	4173428.82	0.00372	596941.46	4173429.92	0.00462
596984.87	4173431.01	0.00529	597028.28	4173432.11	0.00582
597071.68	4173433.20	0.00623	597115.09	4173434.30	0.00677
597167.75	4173357.79	0.02294	597217.11	4173356.27	0.02362
597266.47	4173354.74	0.02346	597315.84	4173353.22	0.02329
597365.20	4173351.69	0.02280	597414.56	4173350.16	0.02239
597463.93	4173348.64	0.02180	597513.29	4173347.11	0.02103
597562.65	4173345.59	0.01861	597168.52	4173382.78	0.01477
597217.88	4173381.26	0.01458	597267.24	4173379.73	0.01421
597316.61	4173378.20	0.01404	597365.97	4173376.68	0.01393
597415.33	4173375.15	0.01370	597464.70	4173373.63	0.01338
597514.06	4173372.10	0.01293	597563.42	4173370.58	0.01170
597169.29	4173407.77	0.01052	597218.65	4173406.24	0.01052
597268.02	4173404.72	0.01011	597317.38	4173403.19	0.00990
597366.74	4173401.67	0.00976	597416.11	4173400.14	0.00968
597465.47	4173398.62	0.00957	597514.83	4173397.09	0.00926
597564.20	4173395.56	0.00857	597170.06		

4173432.76 0.00777
597219.43 4173431.23 0.00804 597268.79
4173429.71 0.00790
597318.15 4173428.18 0.00773 597367.52
4173426.65 0.00755
597416.88 4173425.13 0.00742 597466.24
4173423.60 0.00730
597515.61 4173422.08 0.00703 597564.97
4173420.55 0.00661
597586.82 4173318.84 0.02143 597583.93
4173277.91 0.02297
597611.76 4173317.08 0.01314 597608.87
4173276.15 0.01453
597627.11 4173343.10 0.00863 597590.86
4173383.22 0.00872
597636.69 4173315.32 0.00943 597633.80
4173274.39 0.01024
597648.86 4173350.60 0.00706 597600.53
4173404.09 0.00689
597661.63 4173313.56 0.00775 597658.74
4173272.63 0.00789
597558.96 4173254.67 0.01737 597509.28
4173254.73 0.02082
597459.60 4173254.80 0.02399 597409.91
4173254.86 0.02595
597360.23 4173254.92 0.02722 597310.55
4173254.99 0.02789
597260.87 4173255.05 0.02799 597211.19
4173255.11 0.02789
597161.51 4173255.18 0.02782 597111.83
4173255.24 0.02775
597062.14 4173255.30 0.02695 597012.46
4173255.37 0.02575
596962.78 4173255.43 0.02429 596913.10
4173255.49 0.02171
596863.42 4173255.56 0.01709 596813.74
4173255.62 0.01220
597558.93 4173229.67 0.01113 597509.24
4173229.73 0.01240

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PM25E_TRK , PM25E_STAT , PM25D_STAT , PM25D_TRK ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
597459.56	4173229.80	0.01403	597409.88	4173229.86	0.01529
597360.20	4173229.92	0.01609	597310.52	4173229.99	0.01652
597260.84	4173230.05	0.01669	597211.16	4173230.11	0.01676
597161.48	4173230.18	0.01681	597111.79	4173230.24	0.01665
597062.11	4173230.30	0.01581	597012.43	4173230.37	0.01462
596962.75	4173230.43	0.01319	596913.07	4173230.49	0.01166
596863.39	4173230.56	0.00959	596813.71	4173230.62	0.00821
597584.49	4173214.72	0.00894	597621.95	4173249.58	0.00993
597558.89	4173204.67	0.00837	597509.21	4173204.73	0.00890
597459.53	4173204.80	0.00958	597409.85	4173204.86	0.01016
597360.17	4173204.92	0.01059	597310.49	4173204.99	0.01089
597260.81	4173205.05	0.01112	597211.13	4173205.11	0.01131
597161.44	4173205.18	0.01137	597111.76	4173205.24	0.01110
597062.08	4173205.30	0.01030	597012.40	4173205.37	0.00942
596962.72	4173205.43	0.00860	596913.04	4173205.49	0.00761
596863.36	4173205.56	0.00656	596813.67	4173205.62	0.00611
597592.99	4173193.07	0.00731	597642.93	4173239.55	0.00800
597558.86	4173179.67	0.00664	597509.18	4173179.73	0.00677
597459.50	4173179.80	0.00704	597409.82	4173179.86	0.00734
597360.14	4173179.92	0.00760	597310.46	4173179.99	0.00778
597260.77	4173180.05	0.00787	597211.09		

4173180.11 0.00785
597161.41 4173180.18 0.00777 597111.73
4173180.24 0.00759
597062.05 4173180.30 0.00724 597012.37
4173180.37 0.00674
596962.69 4173180.43 0.00613 596913.01
4173180.49 0.00542
596863.32 4173180.56 0.00490 596813.64
4173180.62 0.00474
597561.88 4173320.60 0.05233 597117.61
4173334.33 0.06720
596813.77 4173326.66 0.01321 596813.77
4173280.62 0.02669
597558.99 4173279.67 0.04816 597473.03
4173323.35 0.06333
597384.17 4173326.09 0.06822 597295.32
4173328.84 0.07003
597206.46 4173331.58 0.07058 597041.65
4173332.41 0.06673
596965.69 4173330.50 0.06147 596889.73
4173328.58 0.05606
596906.92 4173280.50 0.07049 597000.07
4173280.38 0.07518
597093.23 4173280.26 0.08102 597186.38
4173280.15 0.08149
597279.53 4173280.03 0.08143 597372.69
4173279.91 0.07975
597465.84 4173279.79 0.07406

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

NETWORK GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
TRACKE	1ST HIGHEST VALUE IS	0.05937	AT (601120.86, 4173261.37, 107.58, 107.58, 1.20)	DC	
	2ND HIGHEST VALUE IS	0.05877	AT (601212.77, 4173263.47, 107.36, 107.36, 1.20)	DC	
	3RD HIGHEST VALUE IS	0.05796	AT (600939.60, 4173259.89, 107.00, 107.00, 1.20)	DC	
	4TH HIGHEST VALUE IS	0.05782	AT (600850.26, 4173260.51, 107.07, 107.07, 1.20)	DC	
	5TH HIGHEST VALUE IS	0.05758	AT (601028.94, 4173259.27, 107.00, 107.00, 1.20)	DC	
	6TH HIGHEST VALUE IS	0.05694	AT (600760.91, 4173261.13, 107.00, 107.00, 1.20)	DC	
	7TH HIGHEST VALUE IS	0.05677	AT (600343.27, 4173261.56, 107.00, 107.00, 1.20)	DC	
	8TH HIGHEST VALUE IS	0.05593	AT (599621.64, 4173251.21, 107.00, 107.00, 1.20)	DC	
	9TH HIGHEST VALUE IS	0.05566	AT (599889.44, 4173259.72, 106.00, 106.00, 1.20)	DC	
	10TH HIGHEST VALUE IS	0.05555	AT (599800.17, 4173256.88, 106.00, 106.00, 1.20)	DC	
STATIONE	1ST HIGHEST VALUE IS	0.00898	AT (597186.38, 4173280.15, 101.00, 101.00, 1.20)	DC	
	2ND HIGHEST VALUE IS	0.00894	AT (597279.53, 4173280.03, 101.00, 101.00, 1.20)	DC	
	3RD HIGHEST VALUE IS	0.00891	AT (597093.23, 4173280.26, 101.00, 101.00, 1.20)	DC	
	4TH HIGHEST VALUE IS	0.00870	AT (597372.69, 4173279.91, 101.00, 101.00, 1.20)	DC	
	5TH HIGHEST VALUE IS	0.00827	AT (597465.84, 4173279.79, 101.59, 101.59, 1.20)	DC	
	6TH HIGHEST VALUE IS	0.00813	AT (597000.07, 4173280.38, 100.00, 100.00, 1.20)	DC	
	7TH HIGHEST VALUE IS	0.00778	AT (597206.46, 4173331.58, 101.00, 101.00, 1.20)	DC	
	8TH HIGHEST VALUE IS	0.00766	AT (597295.32, 4173328.84, 101.00, 101.00, 1.20)	DC	
	9TH HIGHEST VALUE IS	0.00751	AT (597384.17, 4173326.09, 101.35, 101.35, 1.20)	DC	
	10TH HIGHEST VALUE IS	0.00738	AT (596906.92, 4173280.50, 100.00, 100.00, 1.20)	DC	

```
STATIOND  1ST HIGHEST VALUE IS       0.07213 AT (  597186.38,  4173280.15,   101.00,
101.00,    1.20)  DC
          2ND HIGHEST VALUE IS       0.07209 AT (  597279.53,  4173280.03,   101.00,
101.00,    1.20)  DC
          3RD HIGHEST VALUE IS       0.07175 AT (  597093.23,  4173280.26,   101.00,
101.00,    1.20)  DC
          4TH HIGHEST VALUE IS       0.07062 AT (  597372.69,  4173279.91,   101.00,
101.00,    1.20)  DC
          5TH HIGHEST VALUE IS       0.06670 AT (  597000.07,  4173280.38,   100.00,
100.00,    1.20)  DC
          6TH HIGHEST VALUE IS       0.06533 AT (  597465.84,  4173279.79,   101.59,
101.59,    1.20)  DC
          7TH HIGHEST VALUE IS       0.06278 AT (  596906.92,  4173280.50,   100.00,
100.00,    1.20)  DC
          8TH HIGHEST VALUE IS       0.06246 AT (  597206.46,  4173331.58,   101.00,
101.00,    1.20)  DC
          9TH HIGHEST VALUE IS       0.06201 AT (  597295.32,  4173328.84,   101.00,
101.00,    1.20)  DC
         10TH HIGHEST VALUE IS       0.06032 AT (  597384.17,  4173326.09,   101.35,
101.35,    1.20)  DC

TRACKD    1ST HIGHEST VALUE IS       0.09985 AT (  600603.51,  4173261.91,   106.00,
106.00,    1.20)  DC
          2ND HIGHEST VALUE IS       0.09981 AT (  599889.44,  4173259.72,   106.00,
106.00,    1.20)  DC
          3RD HIGHEST VALUE IS       0.09942 AT (  599800.17,  4173256.88,   106.00,
106.00,    1.20)  DC
          4TH HIGHEST VALUE IS       0.09936 AT (  599710.90,  4173254.05,   106.00,
106.00,    1.20)  DC
          5TH HIGHEST VALUE IS       0.09906 AT (  600252.51,  4173261.19,   106.00,
106.00,    1.20)  DC
          6TH HIGHEST VALUE IS       0.09887 AT (  600524.80,  4173262.30,   106.00,
106.00,    1.20)  DC
          7TH HIGHEST VALUE IS       0.09878 AT (  599980.21,  4173260.09,   106.00,
106.00,    1.20)  DC
          8TH HIGHEST VALUE IS       0.09863 AT (  600070.97,  4173260.46,   106.00,
106.00,    1.20)  DC
          9TH HIGHEST VALUE IS       0.09848 AT (  600161.74,  4173260.83,   106.00,
106.00,    1.20)  DC
         10TH HIGHEST VALUE IS       0.09838 AT (  600682.21,  4173261.52,   106.00,
106.00,    1.20)  DC
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	0.15559 AT (599889.44, 4173259.72, 106.00, 106.00, 1.20)	DC	
	2ND HIGHEST VALUE IS	0.15519 AT (600603.51, 4173261.91, 106.00, 106.00, 1.20)	DC	
	3RD HIGHEST VALUE IS	0.15510 AT (599800.17, 4173256.88, 106.00, 106.00, 1.20)	DC	
	4TH HIGHEST VALUE IS	0.15480 AT (599710.90, 4173254.05, 106.00, 106.00, 1.20)	DC	
	5TH HIGHEST VALUE IS	0.15447 AT (600252.51, 4173261.19, 106.00, 106.00, 1.20)	DC	
	6TH HIGHEST VALUE IS	0.15430 AT (600524.80, 4173262.30, 106.00, 106.00, 1.20)	DC	
	7TH HIGHEST VALUE IS	0.15374 AT (600161.74, 4173260.83, 106.00, 106.00, 1.20)	DC	
	8TH HIGHEST VALUE IS	0.15363 AT (600070.97, 4173260.46, 106.00, 106.00, 1.20)	DC	
	9TH HIGHEST VALUE IS	0.15350 AT (600434.04, 4173261.93, 106.06, 106.06, 1.20)	DC	
	10TH HIGHEST VALUE IS	0.15327 AT (599980.21, 4173260.09, 106.00, 106.00, 1.20)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** Message Summary : AERMOD Model Execution ***

--------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   1 Warning Message(s)
A Total of   15235 Informational Message(s)

A Total of   43872 Hours Were Processed

A Total of   13448 Calm Hours Identified

A Total of   1787 Missing Hours Identified (4.07 Percent)

******** FATAL ERROR MESSAGES ********
*** NONE ***

********   WARNING MESSAGES   ********
MX W481   43873   MAIN: Data Remaining After End of Year. Number of Hours= 48

****
*** AERMOD Finishes Successfully ***
****

```
**
**************************************
**
** AERMOD INPUT PRODUCED BY:
** AERMOD VIEW VER. 9.9.0
** LAKES ENVIRONMENTAL SOFTWARE INC.
** DATE: 7/22/2020
** FILE: C:\LAKES\AERMOD VIEW\VALLEY LINK_DUBLIN_CO\VALLEY LINK_DUBLIN_CO.ADI
**
**************************************
**
**
**************************************
** AERMOD CONTROL PATHWAY
**************************************
**
**
CO STARTING
   TITLEONE C:\LAKES\AERMOD VIEW\VALLEY LINK_DUBLIN_DPM\VALLEY LINK_DUBLIN_CO
   MODELOPT CONC FASTAREA
   AVERTIME 1 8
   URBANOPT 1671000 ALAMEDA_COUNTY_POP
   POLLUTID CO
   FLAGPOLE 1.20
   RUNORNOT RUN
   ERRORFIL "VALLEY LINK_DUBLIN_CO.ERR"
CO FINISHED
**
**************************************
** AERMOD SOURCE PATHWAY
**************************************
**
**
SO STARTING
** SOURCE LOCATION **
** SOURCE ID - TYPE - X COORD. - Y COORD. **
   LOCATION CO_TRK       AREAPOLY   600025.023  4173327.090      106.000
** DESCRSRC WEST TRACK AREA
   LOCATION CO_STAT      AREAPOLY   597561.882  4173320.605      102.000
** DESCRSRC STATION AREA
** SOURCE PARAMETERS **
   SRCPARAM CO_TRK       1.3579E-06     3.000        12     0.700
   AREAVERT CO_TRK       600025.023 4173327.090 600813.579 4173328.922
   AREAVERT CO_TRK       601084.938 4173335.358 601387.260 4173341.586
   AREAVERT CO_TRK       601418.621 4173270.978 601304.682 4173265.568
   AREAVERT CO_TRK       601028.944 4173259.275 600760.915 4173261.128
   AREAVERT CO_TRK       600524.804 4173262.298 599889.441 4173259.723
   AREAVERT CO_TRK       599443.099 4173245.530 599444.392 4173328.806
   SRCPARAM CO_STAT      2.2641E-06     3.000         5     0.700
   AREAVERT CO_STAT      597561.882 4173320.605 597117.614 4173334.335
   AREAVERT CO_STAT      596813.767 4173326.662 596813.767 4173280.625
   AREAVERT CO_STAT      597558.993 4173279.671
   URBANSRC ALL

** VARIABLE EMISSIONS TYPE: "BY HOUR / DAY (HRDOW)"
** VARIABLE EMISSION SCENARIO: "DAYTIMEMET"
** WEEKDAYS:
   EMISFACT CO_TRK       HRDOW 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT CO_TRK       HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT CO_TRK       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT CO_TRK       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** SATURDAY:
   EMISFACT CO_TRK       HRDOW 0.0 0.0 0.0 0.0 0.0 1.0
```

```
   EMISFACT CO_TRK       HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT CO_TRK       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT CO_TRK       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** SUNDAY:
   EMISFACT CO_TRK       HRDOW 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT CO_TRK       HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT CO_TRK       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT CO_TRK       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WEEKDAYS:
   EMISFACT CO_STAT      HRDOW 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT CO_STAT      HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT CO_STAT      HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT CO_STAT      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** SATURDAY:
   EMISFACT CO_STAT      HRDOW 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT CO_STAT      HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT CO_STAT      HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT CO_STAT      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** SUNDAY:
   EMISFACT CO_STAT      HRDOW 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT CO_STAT      HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT CO_STAT      HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT CO_STAT      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP TRACK    CO_TRK
   SRCGROUP STATION  CO_STAT
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD RECEPTOR PATHWAY
**************************************
**
**
RE STARTING
   INCLUDED "VALLEY LINK_DUBLIN_CO.ROU"
RE FINISHED
**
**************************************
** AERMOD METEOROLOGY PATHWAY
**************************************
**
**
ME STARTING
   SURFFILE 724927.SFC
   PROFFILE 724927.PFL
   SURFDATA 23285 2009
   UAIRDATA 23230 2009 OAKLAND/WSO_AP
   PROFBASE 119.8 METERS
ME FINISHED
**
**************************************
** AERMOD OUTPUT PATHWAY
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
** AUTO-GENERATED PLOTFILES
   PLOTFILE   1 ALL 1ST "VALLEY LINK_DUBLIN_CO.AD\01H1GALL.PLT" 31
   PLOTFILE   8 ALL 1ST "VALLEY LINK_DUBLIN_CO.AD\08H1GALL.PLT" 32
   PLOTFILE   1 TRACK 1ST "VALLEY LINK_DUBLIN_CO.AD\01H1G001.PLT" 33
```

```
   PLOTFILE   8 TRACK 1ST "VALLEY LINK_DUBLIN_CO.AD\08H1G001.PLT" 34
   PLOTFILE   1 STATION 1ST "VALLEY LINK_DUBLIN_CO.AD\01H1G002.PLT" 35
   PLOTFILE   8 STATION 1ST "VALLEY LINK_DUBLIN_CO.AD\08H1G002.PLT" 36
   SUMMFILE "VALLEY LINK_DUBLIN_CO.SUM"
OU FINISHED

 **********************************
 *** SETUP Finishes Successfully ***
 **********************************
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** MODEL SETUP OPTIONS SUMMARY ***

**Model Is Setup For Calculation of Average CONCentration Values.

-- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for 2 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 1671000.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:
1. Stack-tip Downwash.
2. Model Accounts for ELEVated Terrain Effects.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.
6. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:
FASTAREA - Use hybrid approach to optimize AREA sources;
also applies to LINE sources (formerly TOXICS option)
CCVR_Sub - Meteorological data includes CCVR substitutions
TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Accepts FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: CO

**Model Calculates 2 Short Term Average(s) of: 1-HR 8-HR

**This Run Includes: 2 Source(s); 3 Source Group(s); and 229 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 0 VOLUME source(s)
and: 2 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with 0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)

Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 119.80 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.6 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: VALLEY LINK_DUBLIN_CO.ERR
**File for Summary of Results: VALLEY LINK_DUBLIN_CO.SUM

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	SZ INIT. (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
CO_TRK	0	0.13579E-05	600025.0	4173327.1	106.0	3.00	12	0.70	YES	HRDOW
CO_STAT	0	0.22641E-05	597561.9	4173320.6	102.0	3.00	5	0.70	YES	HRDOW

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
TRACK	CO_TRK ,
STATION	CO_STAT ,
ALL	CO_TRK , CO_STAT ,

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	1671000.	CO_TRK , CO_STAT ,

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = CO_TRK ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.1000E+01	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.1000E+01	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.1000E+01	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = CO_STAT ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.1000E+01	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.1000E+01	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.1000E+01	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(600025.0, 4173327.1, 106.0, 106.0, 1.2); (600813.6, 4173328.9, 107.4, 107.4, 1.2);
(601084.9, 4173335.4, 107.0, 107.0, 1.2); (601387.3, 4173341.6, 108.0, 108.0, 1.2);
(601418.6, 4173271.0, 108.0, 108.0, 1.2); (601304.7, 4173265.6, 108.0, 108.0, 1.2);
(601028.9, 4173259.3, 107.0, 107.0, 1.2); (600760.9, 4173261.1, 107.0, 107.0, 1.2);
(600524.8, 4173262.3, 106.0, 106.0, 1.2); (599889.4, 4173259.7, 106.0, 106.0, 1.2);
(599443.1, 4173245.5, 106.9, 106.9, 1.2); (599444.4, 4173328.8, 107.0, 107.0, 1.2);
(600123.6, 4173327.3, 106.0, 106.0, 1.2); (600222.2, 4173327.5, 106.0, 106.0, 1.2);
(600320.7, 4173327.8, 106.9, 106.9, 1.2); (600419.3, 4173328.0, 106.1, 106.1, 1.2);
(600517.9, 4173328.2, 106.4, 106.4, 1.2); (600616.4, 4173328.5, 106.1, 106.1, 1.2);
(600715.0, 4173328.7, 106.5, 106.5, 1.2); (600904.0, 4173331.1, 107.0, 107.0, 1.2);
(600994.5, 4173333.2, 107.0, 107.0, 1.2); (601160.5, 4173336.9, 107.9, 107.9, 1.2);
(601236.1, 4173338.5, 108.0, 108.0, 1.2); (601311.7, 4173340.0, 108.0, 108.0, 1.2);
(601361.7, 4173268.3, 108.0, 108.0, 1.2); (601212.8, 4173263.5, 107.4, 107.4, 1.2);
(601120.9, 4173261.4, 107.6, 107.6, 1.2); (600939.6, 4173259.9, 107.0, 107.0, 1.2);
(600850.3, 4173260.5, 107.1, 107.1, 1.2); (600682.2, 4173261.5, 106.0, 106.0, 1.2);
(600603.5, 4173261.9, 106.0, 106.0, 1.2); (600434.0, 4173261.9, 106.1, 106.1, 1.2);
(600343.3, 4173261.6, 107.0, 107.0, 1.2); (600252.5, 4173261.2, 106.0, 106.0, 1.2);
(600161.7, 4173260.8, 106.0, 106.0, 1.2); (600071.0, 4173260.5, 106.0, 106.0, 1.2);
(599980.2, 4173260.1, 106.0, 106.0, 1.2); (599800.2, 4173256.9, 106.0, 106.0, 1.2);
(599710.9, 4173254.0, 106.0, 106.0, 1.2); (599621.6, 4173251.2, 107.0, 107.0, 1.2);
(599532.4, 4173248.4, 107.0, 107.0, 1.2); (599541.2, 4173328.5, 107.0, 107.0, 1.2);
(599637.9, 4173328.2, 107.0, 107.0, 1.2); (599734.7, 4173327.9, 106.4, 106.4, 1.2);
(599831.5, 4173327.7, 106.0, 106.0, 1.2); (599928.2, 4173327.4, 106.0, 106.0, 1.2);
(596788.8, 4173280.6, 99.0, 99.0, 1.2); (596788.8, 4173326.7, 100.0, 100.0, 1.2);
(596763.8, 4173280.6, 99.0, 99.0, 1.2); (596763.8, 4173326.7, 99.6, 99.6, 1.2);
(596749.7, 4173254.1, 98.9, 98.9, 1.2); (596787.2,

```
4173216.6,      98.7,      98.7,       1.2);
     ( 596738.8, 4173280.6,      99.0,      99.0,       1.2);         ( 596738.8,
4173326.7,      99.4,      99.4,       1.2);
     ( 596728.4, 4173245.3,      98.6,      98.6,       1.2);         ( 596778.3,
4173195.3,      98.0,      98.0,       1.2);
     ( 596713.8, 4173280.6,      98.9,      98.9,       1.2);         ( 596713.8,
4173326.7,      99.4,      99.4,       1.2);
     ( 596813.1, 4173351.6,     100.0,     100.0,       1.2);         ( 596856.5,
4173352.8,     100.0,     100.0,       1.2);
     ( 596900.0, 4173353.8,     100.0,     100.0,       1.2);         ( 596943.4,
4173354.9,     100.0,     100.0,       1.2);
     ( 596986.8, 4173356.0,     100.0,     100.0,       1.2);         ( 597030.2,
4173357.1,     100.1,     100.1,       1.2);
     ( 597073.6, 4173358.2,     100.5,     100.5,       1.2);         ( 597117.0,
4173359.3,     101.0,     101.0,       1.2);
     ( 596812.5, 4173376.6,     100.0,     100.0,       1.2);         ( 596855.9,
4173377.7,     100.0,     100.0,       1.2);
     ( 596899.3, 4173378.8,     100.0,     100.0,       1.2);         ( 596942.7,
4173379.9,     100.0,     100.0,       1.2);
     ( 596986.1, 4173381.0,     100.0,     100.0,       1.2);         ( 597029.5,
4173382.1,     100.0,     100.0,       1.2);
     ( 597072.9, 4173383.2,     100.5,     100.5,       1.2);         ( 597116.4,
4173384.3,     100.8,     100.8,       1.2);
     ( 596786.0, 4173390.3,     100.0,     100.0,       1.2);         ( 596749.4,
4173352.8,     100.0,     100.0,       1.2);
     ( 596811.9, 4173401.6,     100.0,     100.0,       1.2);         ( 596855.3,
4173402.7,     100.0,     100.0,       1.2);
     ( 596898.7, 4173403.8,     100.0,     100.0,       1.2);         ( 596942.1,
4173404.9,     100.0,     100.0,       1.2);
     ( 596985.5, 4173406.0,     100.0,     100.0,       1.2);         ( 597028.9,
4173407.1,     100.0,     100.0,       1.2);
     ( 597072.3, 4173408.2,     100.0,     100.0,       1.2);         ( 597115.7,
4173409.3,     100.1,     100.1,       1.2);
     ( 596776.7, 4173411.5,     100.0,     100.0,       1.2);         ( 596728.0,
4173361.6,     100.0,     100.0,       1.2);
     ( 596811.2, 4173426.6,     100.0,     100.0,       1.2);         ( 596854.7,
4173427.7,     100.0,     100.0,       1.2);
     ( 596898.1, 4173428.8,     100.0,     100.0,       1.2);         ( 596941.5,
4173429.9,     100.0,     100.0,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(596984.9, 4173431.0, 100.0, 100.0, 1.2); (597028.3, 4173432.1, 100.0, 100.0, 1.2);
(597071.7, 4173433.2, 100.0, 100.0, 1.2); (597115.1, 4173434.3, 100.0, 100.0, 1.2);
(597167.8, 4173357.8, 101.0, 101.0, 1.2); (597217.1, 4173356.3, 101.0, 101.0, 1.2);
(597266.5, 4173354.7, 101.0, 101.0, 1.2); (597315.8, 4173353.2, 101.2, 101.2, 1.2);
(597365.2, 4173351.7, 102.0, 102.0, 1.2); (597414.6, 4173350.2, 102.0, 102.0, 1.2);
(597463.9, 4173348.6, 102.0, 102.0, 1.2); (597513.3, 4173347.1, 102.0, 102.0, 1.2);
(597562.7, 4173345.6, 102.0, 102.0, 1.2); (597168.5, 4173382.8, 101.0, 101.0, 1.2);
(597217.9, 4173381.3, 101.0, 101.0, 1.2); (597267.2, 4173379.7, 101.2, 101.2, 1.2);
(597316.6, 4173378.2, 102.0, 102.0, 1.2); (597366.0, 4173376.7, 102.0, 102.0, 1.2);
(597415.3, 4173375.1, 102.0, 102.0, 1.2); (597464.7, 4173373.6, 102.0, 102.0, 1.2);
(597514.1, 4173372.1, 102.0, 102.0, 1.2); (597563.4, 4173370.6, 102.0, 102.0, 1.2);
(597169.3, 4173407.8, 101.0, 101.0, 1.2); (597218.7, 4173406.2, 101.0, 101.0, 1.2);
(597268.0, 4173404.7, 102.0, 102.0, 1.2); (597317.4, 4173403.2, 102.0, 102.0, 1.2);
(597366.7, 4173401.7, 102.0, 102.0, 1.2); (597416.1, 4173400.1, 102.0, 102.0, 1.2);
(597465.5, 4173398.6, 102.0, 102.0, 1.2); (597514.8, 4173397.1, 102.0, 102.0, 1.2);
(597564.2, 4173395.6, 102.0, 102.0, 1.2); (597170.1, 4173432.8, 101.0, 101.0, 1.2);
(597219.4, 4173431.2, 101.0, 101.0, 1.2); (597268.8, 4173429.7, 102.0, 102.0, 1.2);
(597318.2, 4173428.2, 102.0, 102.0, 1.2); (597367.5, 4173426.6, 102.0, 102.0, 1.2);
(597416.9, 4173425.1, 102.0, 102.0, 1.2); (597466.2, 4173423.6, 102.0, 102.0, 1.2);
(597515.6, 4173422.1, 102.2, 102.2, 1.2); (597565.0, 4173420.5, 102.5, 102.5, 1.2);
(597586.8, 4173318.8, 102.0, 102.0, 1.2); (597583.9, 4173277.9, 102.0, 102.0, 1.2);
(597611.8, 4173317.1, 102.0, 102.0, 1.2); (597608.9, 4173276.1, 102.0, 102.0, 1.2);
(597627.1, 4173343.1, 102.1, 102.1, 1.2); (597590.9, 4173383.2, 102.2, 102.2, 1.2);
(597636.7, 4173315.3, 102.0, 102.0, 1.2); (597633.8, 4173274.4, 102.0, 102.0, 1.2);
(597648.9, 4173350.6, 102.9, 102.9, 1.2); (597600.5, 4173404.1, 103.0, 103.0, 1.2);
(597661.6, 4173313.6, 102.2, 102.2, 1.2); (597658.7,

```
4173272.6,     102.0,     102.0,       1.2);
     ( 597559.0, 4173254.7,     102.0,     102.0,       1.2);         ( 597509.3,
4173254.7,     102.0,     102.0,       1.2);
     ( 597459.6, 4173254.8,     101.0,     101.0,       1.2);         ( 597409.9,
4173254.9,     101.0,     101.0,       1.2);
     ( 597360.2, 4173254.9,     101.0,     101.0,       1.2);         ( 597310.6,
4173255.0,     101.0,     101.0,       1.2);
     ( 597260.9, 4173255.0,     101.0,     101.0,       1.2);         ( 597211.2,
4173255.1,     101.0,     101.0,       1.2);
     ( 597161.5, 4173255.2,     101.0,     101.0,       1.2);         ( 597111.8,
4173255.2,     101.0,     101.0,       1.2);
     ( 597062.1, 4173255.3,     101.0,     101.0,       1.2);         ( 597012.5,
4173255.4,     100.0,     100.0,       1.2);
     ( 596962.8, 4173255.4,     100.0,     100.0,       1.2);         ( 596913.1,
4173255.5,     100.0,     100.0,       1.2);
     ( 596863.4, 4173255.6,      99.6,      99.6,       1.2);         ( 596813.7,
4173255.6,      99.0,      99.0,       1.2);
     ( 597558.9, 4173229.7,     102.0,     102.0,       1.2);         ( 597509.2,
4173229.7,     101.3,     101.3,       1.2);
     ( 597459.6, 4173229.8,     101.0,     101.0,       1.2);         ( 597409.9,
4173229.9,     101.0,     101.0,       1.2);
     ( 597360.2, 4173229.9,     100.3,     100.3,       1.2);         ( 597310.5,
4173230.0,     101.0,     101.0,       1.2);
     ( 597260.8, 4173230.0,     100.2,     100.2,       1.2);         ( 597211.2,
4173230.1,     101.0,     101.0,       1.2);
     ( 597161.5, 4173230.2,     100.5,     100.5,       1.2);         ( 597111.8,
4173230.2,     100.1,     100.1,       1.2);
     ( 597062.1, 4173230.3,     100.1,     100.1,       1.2);         ( 597012.4,
4173230.4,     100.0,     100.0,       1.2);
     ( 596962.8, 4173230.4,     100.0,     100.0,       1.2);         ( 596913.1,
4173230.5,     100.0,     100.0,       1.2);
     ( 596863.4, 4173230.6,      99.1,      99.1,       1.2);         ( 596813.7,
4173230.6,      99.0,      99.0,       1.2);
     ( 597584.5, 4173214.7,     102.0,     102.0,       1.2);         ( 597622.0,
4173249.6,     102.0,     102.0,       1.2);
     ( 597558.9, 4173204.7,     101.9,     101.9,       1.2);         ( 597509.2,
4173204.7,     101.1,     101.1,       1.2);
     ( 597459.5, 4173204.8,     101.0,     101.0,       1.2);         ( 597409.9,
4173204.9,     101.0,     101.0,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(597360.2, 4173204.9, 100.8, 100.8, 1.2); (597310.5, 4173205.0, 100.6, 100.6, 1.2);
(597260.8, 4173205.0, 100.0, 100.0, 1.2); (597211.1, 4173205.1, 100.3, 100.3, 1.2);
(597161.4, 4173205.2, 100.1, 100.1, 1.2); (597111.8, 4173205.2, 100.0, 100.0, 1.2);
(597062.1, 4173205.3, 100.0, 100.0, 1.2); (597012.4, 4173205.4, 100.0, 100.0, 1.2);
(596962.7, 4173205.4, 100.0, 100.0, 1.2); (596913.0, 4173205.5, 99.5, 99.5, 1.2);
(596863.4, 4173205.6, 99.0, 99.0, 1.2); (596813.7, 4173205.6, 99.0, 99.0, 1.2);
(597593.0, 4173193.1, 102.0, 102.0, 1.2); (597642.9, 4173239.5, 102.0, 102.0, 1.2);
(597558.9, 4173179.7, 101.4, 101.4, 1.2); (597509.2, 4173179.7, 101.0, 101.0, 1.2);
(597459.5, 4173179.8, 101.0, 101.0, 1.2); (597409.8, 4173179.9, 101.0, 101.0, 1.2);
(597360.1, 4173179.9, 101.0, 101.0, 1.2); (597310.5, 4173180.0, 100.2, 100.2, 1.2);
(597260.8, 4173180.0, 100.0, 100.0, 1.2); (597211.1, 4173180.1, 100.0, 100.0, 1.2);
(597161.4, 4173180.2, 100.0, 100.0, 1.2); (597111.7, 4173180.2, 100.0, 100.0, 1.2);
(597062.1, 4173180.3, 100.0, 100.0, 1.2); (597012.4, 4173180.4, 100.0, 100.0, 1.2);
(596962.7, 4173180.4, 100.0, 100.0, 1.2); (596913.0, 4173180.5, 99.3, 99.3, 1.2);
(596863.3, 4173180.6, 99.0, 99.0, 1.2); (596813.6, 4173180.6, 99.0, 99.0, 1.2);
(597561.9, 4173320.6, 102.0, 102.0, 1.2); (597117.6, 4173334.3, 101.0, 101.0, 1.2);
(596813.8, 4173326.7, 100.0, 100.0, 1.2); (596813.8, 4173280.6, 99.0, 99.0, 1.2);
(597559.0, 4173279.7, 102.0, 102.0, 1.2); (597473.0, 4173323.3, 102.0, 102.0, 1.2);
(597384.2, 4173326.1, 101.3, 101.3, 1.2); (597295.3, 4173328.8, 101.0, 101.0, 1.2);
(597206.5, 4173331.6, 101.0, 101.0, 1.2); (597041.7, 4173332.4, 100.6, 100.6, 1.2);
(596965.7, 4173330.5, 100.0, 100.0, 1.2); (596889.7, 4173328.6, 100.0, 100.0, 1.2);
(596906.9, 4173280.5, 100.0, 100.0, 1.2); (597000.1, 4173280.4, 100.0, 100.0, 1.2);
(597093.2, 4173280.3, 101.0, 101.0, 1.2); (597186.4, 4173280.1, 101.0, 101.0, 1.2);
(597279.5, 4173280.0, 101.0, 101.0, 1.2); (597372.7, 4173279.9, 101.0, 101.0, 1.2);
(597465.8, 4173279.8, 101.6, 101.6, 1.2);

```
 *** MODELOPTs:    NonDFAULT  CONC  ELEV  FLGPOL  FASTAREA  URBAN

                                                  *** METEOROLOGICAL DAYS SELECTED FOR
PROCESSING ***
                                                                   (1=YES; 0=NO)

            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1

                NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS
INCLUDED IN THE DATA FILE.



                                        *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED
CATEGORIES ***
                                                                (METERS/SEC)

                                                 1.54,   3.09,   5.14,   8.23,  10.80,
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: 724927.SFC
Met Version: 14134
Profile file: 724927.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23285 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2009 Year: 2009

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
09	01	01	1	01	-12.6	0.221	-9.000	-9.000	-999.	250.	77.5	0.11	0.90	1.00	2.86	51.	10.0	279.2	2.0
09	01	01	1	02	-23.5	0.413	-9.000	-9.000	-999.	637.	269.8	0.11	0.90	1.00	4.86	48.	10.0	279.2	2.0
09	01	01	1	03	-11.1	0.195	-9.000	-9.000	-999.	254.	59.8	0.07	0.90	1.00	2.86	94.	10.0	278.8	2.0
09	01	01	1	04	-9.5	0.166	-9.000	-9.000	-999.	164.	43.7	0.11	0.90	1.00	2.36	53.	10.0	278.1	2.0
09	01	01	1	05	-11.1	0.195	-9.000	-9.000	-999.	206.	59.6	0.07	0.90	1.00	2.86	63.	10.0	278.1	2.0
09	01	01	1	06	-8.2	0.143	-9.000	-9.000	-999.	131.	32.3	0.07	0.90	1.00	2.36	72.	10.0	278.1	2.0
09	01	01	1	07	-8.2	0.143	-9.000	-9.000	-999.	130.	32.3	0.07	0.90	1.00	2.36	75.	10.0	278.1	2.0
09	01	01	1	08	-4.1	0.078	-9.000	-9.000	-999.	53.	10.3	0.11	0.90	0.75	1.76	13.	10.0	277.5	2.0
09	01	01	1	09	-6.3	0.246	-9.000	-9.000	-999.	292.	211.6	0.12	0.90	0.40	2.86	347.	10.0	278.1	2.0
09	01	01	1	10	6.6	0.303	0.261	0.016	96.	401.	-378.3	0.11	0.90	0.27	3.36	51.	10.0	278.8	2.0
09	01	01	1	11	15.4	0.317	0.422	0.017	176.	429.	-186.8	0.07	0.90	0.23	3.86	94.	10.0	279.9	2.0
09	01	01	1	12	47.5	0.448	0.742	0.017	309.	720.	-170.5	0.11	0.90	0.22	4.86	56.	10.0	280.9	2.0
09	01	01	1	13	49.0	0.405	0.820	0.014	403.	621.	-122.0	0.07	0.90	0.21	4.86	63.	10.0	281.4	2.0
09	01	01	1	14	42.7	0.405	0.809	0.014	444.	619.	-139.5	0.11	0.90	0.22	4.36	59.	10.0	282.0	2.0
09	01	01	1	15	60.8	0.372	0.922	0.014	463.	545.	-75.6	0.07	0.90	0.25	4.36	72.	10.0	281.4	2.0
09	01	01	1	16	14.1	0.309	0.569	0.016	467.	414.	-187.5	0.11	0.90	0.34	3.36	54.	10.0	282.0	2.0
09	01	01	1	17	-30.4	0.311	-9.000	-9.000	-999.	417.	89.1	0.07	0.90	0.58	4.36	61.	10.0	280.4	2.0
09	01	01	1	18	-27.0	0.239	-9.000	-9.000	-999.	282.	45.2	0.11	0.90	1.00	3.36	47.	10.0	279.9	2.0
09	01	01	1	19	-14.9	0.131	-9.000	-9.000	-999.	120.	13.7	0.07	0.90	1.00	2.86	64.	10.0	279.2	2.0

```
 09 01 01   1 20   -5.8  0.078 -9.000 -9.000 -999.   53.      7.3  0.11   0.90   1.00
1.76   47.   10.0  278.8    2.0
 09 01 01   1 21 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.10   0.90   1.00
0.00    0.   10.0  277.5    2.0
 09 01 01   1 22   -4.9  0.070 -9.000 -9.000 -999.   44.      6.2  0.07   0.90   1.00
1.76   82.   10.0  276.4    2.0
 09 01 01   1 23 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.10   0.90   1.00
0.00    0.   10.0  277.0    2.0
 09 01 01   1 24 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.10   0.90   1.00
0.00    0.   10.0  277.0    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 09 01 01 01   10.0 1   51.    2.86   279.3   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRACK ***
INCLUDING SOURCE(S): CO_TRK ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
600025.02	4173327.09	32.56214	(11123006)	600813.58	4173328.92	30.97904	(11123006)
601084.94	4173335.36	29.23804	(12121807)	601387.26	4173341.59	30.44364	(12121807)
601418.62	4173270.98	31.88995	(12121606)	601304.68	4173265.57	31.13968	(12121606)
601028.94	4173259.27	28.85813	(12121606)	600760.91	4173261.13	31.45285	(11122908)
600524.80	4173262.30	31.30148	(09122008)	599889.44	4173259.72	32.34729	(09122008)
599443.10	4173245.53	34.14842	(09122008)	599444.39	4173328.81	34.12310	(11123006)
600123.59	4173327.32	32.32560	(11123006)	600222.16	4173327.55	32.08503	(11123006)
600320.73	4173327.78	32.27903	(11123006)	600419.30	4173328.01	31.54776	(11123006)
600517.87	4173328.23	31.37597	(11123006)	600616.44	4173328.46	30.70516	(11123006)
600715.01	4173328.69	30.39118	(11123006)	600904.03	4173331.07	29.55013	(13011106)
600994.49	4173333.21	28.97972	(13120207)	601160.52	4173336.92	29.85565	(12121807)
601236.10	4173338.47	30.00648	(12121807)	601311.68	4173340.03	30.13756	(12121807)
601361.65	4173268.27	31.57444	(12121606)	601212.77	4173263.47	30.95106	(12121606)
601120.86	4173261.37	30.39785	(12121606)	600939.60	4173259.89	30.16777	(11120508)
600850.26	4173260.51	31.01230	(09122107)	600682.21	4173261.52	31.07421	(11122908)
600603.51	4173261.91	31.20761	(09122008)	600434.04	4173261.93	31.51020	(09122008)
600343.27	4173261.56	32.39351	(09122008)	600252.51	4173261.19	31.77660	(09122008)
600161.74	4173260.83	31.97365	(09122008)	600070.97	4173260.46	32.16387	(09122008)
599980.21	4173260.09	32.34050	(09122008)	599800.17	4173256.88	31.31968	(09122008)
599710.90	4173254.05	31.88297	(09122008)	599621.64	4173251.21	32.98442	(09122008)
599532.37	4173248.37	33.86351	(09122008)	599541.16	4173328.52	34.25378	(11123006)

```
        599637.94   4173328.23       33.79326  (11123006)              599734.71
4173327.95       33.07879  (11123006)
        599831.48   4173327.66       32.57921  (11123006)              599928.25
4173327.38       32.65527  (11123006)
        596788.77   4173280.62        2.23335  (10122307)              596788.77
4173326.66        2.23851  (09011108)
        596763.77   4173280.62        2.21100  (10122307)              596763.77
4173326.66        2.21561  (09011108)
        596749.74   4173254.12        2.22442  (10122307)              596787.19
4173216.62        2.30562  (10013006)
        596738.77   4173280.62        2.18905  (10122307)              596738.77
4173326.66        2.19334  (09011108)
        596728.39   4173245.29        2.20830  (10122307)              596778.33
4173195.29        2.31739  (10013006)
        596713.77   4173280.62        2.16740  (10122307)              596713.77
4173326.66        2.17174  (09011108)
        596813.14   4173351.65        2.32012  (10021206)              596856.54
4173352.75        2.36545  (10021206)
        596899.95   4173353.84        2.41212  (10021206)              596943.36
4173354.94        2.46034  (10021206)
        596986.76   4173356.03        2.50991  (10021206)              597030.17
4173357.13        2.56142  (10021206)
        597073.57   4173358.23        2.61465  (10021206)              597116.98
4173359.32        2.66992  (10021206)
        596812.51   4173376.64        2.35800  (10021206)              596855.91
4173377.74        2.40248  (10021206)
        596899.32   4173378.84        2.44813  (10021206)              596942.73
4173379.93        2.49511  (10021206)
        596986.13   4173381.03        2.54341  (10021206)              597029.54
4173382.12        2.59284  (10021206)
        597072.94   4173383.22        2.64461  (10021206)              597116.35
4173384.31        2.69775  (10021206)
        596785.97   4173390.33        2.34486  (10021206)              596749.42
4173352.84        2.26141  (10021206)
        596811.88   4173401.64        2.37449  (10021206)              596855.28
4173402.73        2.41713  (10021206)
        596898.69   4173403.83        2.46103  (10021206)              596942.09
4173404.92        2.50573  (10021206)
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRACK ***
INCLUDING SOURCE(S): CO_TRK ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
596985.50	4173406.02	2.55139	(10021206)	597028.91	4173407.11	2.59837	(10021206)
597072.31	4173408.21	2.64678	(10021206)	597115.72	4173409.31	2.69687	(10021206)
596776.71	4173411.55	2.34266	(10021206)	596727.97	4173361.57	2.25692	(10021206)
596811.25	4173426.63	2.36977	(10021206)	596854.65	4173427.72	2.40994	(10021206)
596898.06	4173428.82	2.45117	(10021206)	596941.46	4173429.92	2.49260	(10021206)
596984.87	4173431.01	2.53517	(10021206)	597028.28	4173432.11	2.57893	(10021206)
597071.68	4173433.20	2.62382	(10021206)	597115.09	4173434.30	2.66991	(10021206)
597167.75	4173357.79	2.73107	(10021206)	597217.11	4173356.27	2.79293	(10021206)
597266.47	4173354.74	2.85740	(10021206)	597315.84	4173353.22	2.92499	(10021206)
597365.20	4173351.69	2.99634	(10021206)	597414.56	4173350.16	3.06941	(10021206)
597463.93	4173348.64	3.14583	(10021206)	597513.29	4173347.11	3.22576	(10021206)
597562.65	4173345.59	3.30949	(10021206)	597168.52	4173382.78	2.76201	(10021206)
597217.88	4173381.26	2.82489	(10021206)	597267.24	4173379.73	2.89077	(10021206)
597316.61	4173378.20	2.96037	(10021206)	597365.97	4173376.68	3.03170	(10021206)
597415.33	4173375.15	3.10618	(10021206)	597464.70	4173373.63	3.18405	(10021206)
597514.06	4173372.10	3.26551	(10021206)	597563.42	4173370.58	3.35084	(10021206)
597169.29	4173407.77	2.76355	(10021206)	597218.65	4173406.24	2.82614	(10021206)
597268.02	4173404.72	2.89292	(10021206)	597317.38	4173403.19	2.96101	(10021206)
597366.74	4173401.67	3.03174	(10021206)	597416.11	4173400.14	3.10542	(10021206)
597465.47	4173398.62	3.18235	(10021206)	597514.83	4173397.09	3.26268	(10021206)
597564.20	4173395.56	3.34682	(10021206)	597170.06	4173432.76	2.73645	(10021206)

```
        597219.43   4173431.23        2.79707  (10021206)              597268.79
4173429.71        2.86170  (10021206)
        597318.15   4173428.18        2.92720  (10021206)              597367.52
4173426.65        2.99542  (10021206)
        597416.88   4173425.13        3.06657  (10021206)              597466.24
4173423.60        3.14090  (10021206)
        597515.61   4173422.08        3.21900  (10021206)              597564.97
4173420.55        3.30086  (10021206)
        597586.82   4173318.84        3.26170  (10021206)              597583.93
4173277.91        3.24102  (10122307)
        597611.76   4173317.08        3.30008  (10021206)              597608.87
4173276.15        3.28791  (10122307)
        597627.11   4173343.10        3.42391  (10021206)              597590.86
4173383.22        3.40297  (10021206)
        597636.69   4173315.32        3.33924  (10021206)              597633.80
4173274.39        3.33578  (10122307)
        597648.86   4173350.60        3.48571  (10021206)              597600.53
4173404.09        3.39990  (10021206)
        597661.63   4173313.56        3.37990  (10021206)              597658.74
4173272.63        3.38484  (10122307)
        597558.96   4173254.67        3.24013  (10013006)              597509.28
4173254.73        3.15335  (10013006)
        597459.60   4173254.80        3.06850  (10013006)              597409.91
4173254.86        2.98942  (10013006)
        597360.23   4173254.92        2.91372  (10013006)              597310.55
4173254.99        2.84368  (10122307)
        597260.87   4173255.05        2.77717  (10122307)              597211.19
4173255.11        2.71348  (10122307)
        597161.51   4173255.18        2.65226  (10122307)              597111.83
4173255.24        2.59346  (10122307)
        597062.14   4173255.30        2.53689  (10122307)              597012.46
4173255.37        2.48113  (10122307)
        596962.78   4173255.43        2.42877  (10122307)              596913.10
4173255.49        2.37832  (10122307)
        596863.42   4173255.56        2.32922  (10122307)              596813.74
4173255.62        2.28142  (10122307)
        597558.93   4173229.67        3.30180  (10013006)              597509.24
4173229.73        3.21339  (10013006)
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRACK ***
INCLUDING SOURCE(S): CO_TRK ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
597459.56	4173229.80	3.12981	(10013006)	597409.88	4173229.86	3.05052	(10013006)
597360.20	4173229.92	2.97318	(10013006)	597310.52	4173229.99	2.90174	(10013006)
597260.84	4173230.05	2.83033	(10013006)	597211.16	4173230.11	2.76480	(10013006)
597161.48	4173230.18	2.69963	(10013006)	597111.79	4173230.24	2.63711	(10013006)
597062.11	4173230.30	2.57756	(10013006)	597012.43	4173230.37	2.52009	(10013006)
596962.75	4173230.43	2.46504	(10013006)	596913.07	4173230.49	2.41202	(10013006)
596863.39	4173230.56	2.35952	(10013006)	596813.71	4173230.62	2.31014	(10013006)
597584.49	4173214.72	3.36613	(10013006)	597621.95	4173249.58	3.37216	(10013006)
597558.89	4173204.67	3.32299	(10013006)	597509.21	4173204.73	3.23603	(10013006)
597459.53	4173204.80	3.15450	(10013006)	597409.85	4173204.86	3.07671	(10013006)
597360.17	4173204.92	3.00175	(10013006)	597310.49	4173204.99	2.92988	(10013006)
597260.81	4173205.05	2.86017	(10013006)	597211.13	4173205.11	2.79498	(10013006)
597161.44	4173205.18	2.73113	(10013006)	597111.76	4173205.24	2.66987	(10013006)
597062.08	4173205.30	2.61091	(10013006)	597012.40	4173205.37	2.55400	(10013006)
596962.72	4173205.43	2.49911	(10013006)	596913.04	4173205.49	2.44549	(10013006)
596863.36	4173205.56	2.39364	(10013006)	596813.67	4173205.62	2.34443	(10013006)
597592.99	4173193.07	3.37761	(10013006)	597642.93	4173239.55	3.43866	(10013006)
597558.86	4173179.67	3.29835	(10013006)	597509.18	4173179.73	3.21758	(10013006)
597459.50	4173179.80	3.14108	(10013006)	597409.82	4173179.86	3.06629	(10013006)
597360.14	4173179.92	2.99468	(10013006)	597310.46	4173179.99	2.92441	(10013006)
597260.77	4173180.05	2.85772	(10013006)	597211.09	4173180.11	2.79415	(10013006)

```
        597161.41   4173180.18        2.73311  (10013006)              597111.73
4173180.24        2.67426  (10013006)
        597062.05   4173180.30        2.61710  (10013006)              597012.37
4173180.37        2.56188  (10013006)
        596962.69   4173180.43        2.50842  (10013006)              596913.01
4173180.49        2.45571  (10013006)
        596863.32   4173180.56        2.40545  (10013006)              596813.64
4173180.62        2.35746  (10013006)
        597561.88   4173320.60        3.22427  (10021206)              597117.61
4173334.33        2.61497  (10021206)
        596813.77   4173326.66        2.26156  (10021206)              596813.77
4173280.62        2.25609  (10122307)
        597558.99   4173279.67        3.19503  (10122307)              597473.03
4173323.35        3.08343  (10021206)
        597384.17   4173326.09        2.95224  (10021206)              597295.32
4173328.84        2.83150  (10021206)
        597206.46   4173331.58        2.71936  (10021206)              597041.65
4173332.41        2.51886  (10021206)
        596965.69   4173330.50        2.42745  (10021206)              596889.73
4173328.58        2.34213  (10021206)
        596906.92   4173280.50        2.34613  (10122307)              597000.07
4173280.38        2.44116  (10122307)
        597093.23   4173280.26        2.54467  (10122307)              597186.38
4173280.15        2.65463  (10122307)
        597279.53   4173280.03        2.77331  (10122307)              597372.69
4173279.91        2.90178  (10122307)
        597465.84   4173279.79        3.04229  (10122307)
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STATION ***
INCLUDING SOURCE(S): CO_STAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
600025.02	4173327.09	1.22692	(13121607)	600813.58	4173328.92	0.92705	(13121607)
601084.94	4173335.36	0.82910	(13121607)	601387.26	4173341.59	0.77941	(13121607)
601418.62	4173270.98	0.72718	(13121607)	601304.68	4173265.57	0.74940	(13121607)
601028.94	4173259.27	0.78925	(13121607)	600760.91	4173261.13	0.87232	(13121607)
600524.80	4173262.30	0.92362	(13121607)	599889.44	4173259.72	1.22120	(13121607)
599443.10	4173245.53	1.60099	(12050206)	599444.39	4173328.81	1.75477	(13121607)
600123.59	4173327.32	1.17067	(13121607)	600222.16	4173327.55	1.11870	(13121607)
600320.73	4173327.78	1.11267	(13121607)	600419.30	4173328.01	1.02957	(13121607)
600517.87	4173328.23	1.00207	(13121607)	600616.44	4173328.46	0.94983	(13121607)
600715.01	4173328.69	0.92736	(13121607)	600904.03	4173331.07	0.88363	(13121607)
600994.49	4173333.21	0.85561	(13121607)	601160.52	4173336.92	0.83673	(13121607)
601236.10	4173338.47	0.81884	(13121607)	601311.68	4173340.03	0.79871	(13121607)
601361.65	4173268.27	0.73817	(13121607)	601212.77	4173263.47	0.75440	(13121607)
601120.86	4173261.37	0.78183	(13121607)	600939.60	4173259.89	0.81539	(13121607)
600850.26	4173260.51	0.84506	(13121607)	600682.21	4173261.52	0.86708	(13121607)
600603.51	4173261.91	0.89458	(13121607)	600434.04	4173261.93	0.96029	(13121607)
600343.27	4173261.56	1.03160	(13121607)	600252.51	4173261.19	1.03399	(13121607)
600161.74	4173260.83	1.07595	(13121607)	600070.97	4173260.46	1.12092	(13121607)
599980.21	4173260.09	1.16921	(13121607)	599800.17	4173256.88	1.27073	(13121607)
599710.90	4173254.05	1.32683	(12050206)	599621.64	4173251.21	1.45520	(12050206)
599532.37	4173248.37	1.52912	(12050206)	599541.16	4173328.52	1.65630	(13121607)

599637.94 4173328.23 1.56689 (13121607) 599734.71
4173327.95 1.44903 (13121607)
599831.48 4173327.66 1.35259 (13121607) 599928.25
4173327.38 1.28714 (13121607)
596788.77 4173280.62 35.72454 (09122008) 596788.77
4173326.66 37.46540 (11123006)
596763.77 4173280.62 30.56458 (12012608) 596763.77
4173326.66 31.36963 (11123006)
596749.74 4173254.12 22.23687 (11122908) 596787.19
4173216.62 16.26040 (09020508)
596738.77 4173280.62 26.49088 (12012608) 596738.77
4173326.66 26.62814 (11123006)
596728.39 4173245.29 19.45750 (09122107) 596778.33
4173195.29 15.23264 (11121907)
596713.77 4173280.62 23.51653 (12012608) 596713.77
4173326.66 23.30136 (10021206)
596813.14 4173351.65 24.78524 (13011106) 596856.54
4173352.75 24.87465 (13120207)
596899.95 4173353.84 24.86494 (13120207) 596943.36
4173354.94 24.77866 (13120207)
596986.76 4173356.03 24.48248 (11012806) 597030.17
4173357.13 24.19131 (13012708)
597073.57 4173358.23 23.37940 (13012708) 597116.98
4173359.32 23.23713 (12012007)
596812.51 4173376.64 18.42421 (13120207) 596855.91
4173377.74 18.37875 (11012806)
596899.32 4173378.84 18.26861 (11012806) 596942.73
4173379.93 17.76864 (13012708)
596986.13 4173381.03 17.99076 (13012708) 597029.54
4173382.12 18.51403 (12012007)
597072.94 4173383.22 19.56759 (12010607) 597116.35
4173384.31 18.94472 (13022306)
596785.97 4173390.33 16.16022 (11012806) 596749.42
4173352.84 22.59277 (11123006)
596811.88 4173401.64 14.22373 (11012806) 596855.28
4173402.73 14.33459 (13012708)
596898.69 4173403.83 15.16813 (11012806) 596942.09
4173404.92 16.88147 (12012007)

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STATION ***
INCLUDING SOURCE(S): CO_STAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
596985.50	4173406.02	16.96573	(11012607)	597028.91	4173407.11	17.97937	(11012607)
597072.31	4173408.21	18.98063	(12010607)	597115.72	4173409.31	15.17387	(12010607)
596776.71	4173411.55	13.16176	(11012806)	596727.97	4173361.57	19.63353	(13011106)
596811.25	4173426.63	14.38095	(12012007)	596854.65	4173427.72	14.69682	(12012007)
596898.06	4173428.82	14.75715	(10012308)	596941.46	4173429.92	15.34298	(11012607)
596984.87	4173431.01	15.56451	(11012607)	597028.28	4173432.11	16.15434	(12010607)
597071.68	4173433.20	15.20513	(12012006)	597115.09	4173434.30	12.31581	(09102207)
597167.75	4173357.79	22.84602	(09022106)	597217.11	4173356.27	23.39691	(11012607)
597266.47	4173354.74	22.20519	(12010607)	597315.84	4173353.22	21.79368	(09010806)
597365.20	4173351.69	21.95685	(09010806)	597414.56	4173350.16	22.02902	(09010806)
597463.93	4173348.64	22.05861	(12121807)	597513.29	4173347.11	23.04669	(09010806)
597562.65	4173345.59	22.21822	(10020706)	597168.52	4173382.78	19.45770	(12121607)
597217.88	4173381.26	18.52803	(12121607)	597267.24	4173379.73	17.10901	(09022106)
597316.61	4173378.20	15.63814	(10121907)	597365.97	4173376.68	15.77269	(09022106)
597415.33	4173375.15	15.68628	(09010806)	597464.70	4173373.63	15.88928	(09010806)
597514.06	4173372.10	15.99694	(09010806)	597563.42	4173370.58	16.01172	(09010806)
597169.29	4173407.77	16.26103	(09020106)	597218.65	4173406.24	15.60878	(09020106)
597268.02	4173404.72	15.54371	(12121607)	597317.38	4173403.19	14.78170	(09022106)
597366.74	4173401.67	13.66132	(09022106)	597416.11	4173400.14	12.52724	(10121907)
597465.47	4173398.62	12.44194	(09022106)	597514.83	4173397.09	12.44721	(09010806)
597564.20	4173395.56	12.58749	(09010806)	597170.06	4173432.76	13.58388	(12120506)

```
        597219.43   4173431.23       13.83603  (09020106)              597268.79
4173429.71       13.70951  (09020106)
        597318.15   4173428.18       13.52010  (12121607)              597367.52
4173426.65       13.15221  (12121607)
        597416.88   4173425.13       12.35112  (09022106)              597466.24
4173423.60       11.35071  (09022106)
        597515.61   4173422.08       10.35751  (09022106)              597564.97
4173420.55       10.23484  (10121907)
        597586.82   4173318.84       31.42291  (10011408)              597583.93
4173277.91       30.10547  (12121606)
        597611.76   4173317.08       25.33403  (10011408)              597608.87
4173276.15       24.80692  (12121606)
        597627.11   4173343.10       18.88785  (12121807)              597590.86
4173383.22       13.98895  (09010806)
        597636.69   4173315.32       20.89543  (10011408)              597633.80
4173274.39       20.97943  (12121606)
        597648.86   4173350.60       17.54954  (12121807)              597600.53
4173404.09       12.71440  (12121607)
        597661.63   4173313.56       18.23264  (13121607)              597658.74
4173272.63       17.95926  (12121606)
        597558.96   4173254.67       22.03794  (13012506)              597509.28
4173254.73       22.08123  (13012506)
        597459.60   4173254.80       22.07642  (13012506)              597409.91
4173254.86       21.96175  (12120308)
        597360.23   4173254.92       21.99948  (12121308)              597310.55
4173254.99       21.60707  (12121308)
        597260.87   4173255.05       21.33936  (12120308)              597211.19
4173255.11       21.35580  (12123108)
        597161.51   4173255.18       23.11274  (13122408)              597111.83
4173255.24       24.26682  (12121006)
        597062.14   4173255.30       24.93539  (10122606)              597012.46
4173255.37       25.19425  (10122106)
        596962.78   4173255.43       25.94656  (10122106)              596913.10
4173255.49       25.19274  (09020408)
        596863.42   4173255.56       25.49539  (11122908)              596813.74
4173255.62       24.00489  (11120508)
        597558.93   4173229.67       16.27499  (12120308)              597509.24
4173229.73       16.91247  (09122007)
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STATION ***
INCLUDING SOURCE(S): CO_STAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
597459.56	4173229.80	17.35613	(12121108)	597409.88	4173229.86	17.01807	(09122007)
597360.20	4173229.92	15.66383	(11030406)	597310.52	4173229.99	15.36750	(12123108)
597260.84	4173230.05	15.19464	(10120607)	597211.16	4173230.11	15.94428	(10011506)
597161.48	4173230.18	16.69799	(12013108)	597111.79	4173230.24	17.24371	(12013108)
597062.11	4173230.30	17.03694	(09121206)	597012.43	4173230.37	16.78840	(12121006)
596962.75	4173230.43	17.14147	(12121006)	596913.07	4173230.49	17.48682	(12121006)
596863.39	4173230.56	17.70843	(12121006)	596813.71	4173230.62	17.97835	(12121006)
597584.49	4173214.72	14.60589	(12121108)	597621.95	4173249.58	18.13350	(13012506)
597558.89	4173204.67	13.42747	(09123006)	597509.21	4173204.73	13.18142	(09122007)
597459.53	4173204.80	13.14291	(09123006)	597409.85	4173204.86	12.73735	(09123006)
597360.17	4173204.92	12.48312	(10020408)	597310.49	4173204.99	12.39775	(12121108)
597260.81	4173205.05	12.35270	(12121108)	597211.13	4173205.11	13.43037	(10120607)
597161.44	4173205.18	13.57410	(09020508)	597111.76	4173205.24	13.87992	(10011708)
597062.08	4173205.30	14.42345	(12013108)	597012.40	4173205.37	13.78122	(09121206)
596962.72	4173205.43	13.43752	(12011608)	596913.04	4173205.49	13.64175	(12121006)
596863.36	4173205.56	13.77926	(12121006)	596813.67	4173205.62	14.33071	(12022107)
597592.99	4173193.07	12.55013	(09122007)	597642.93	4173239.55	15.94233	(13012506)
597558.86	4173179.67	12.63451	(10042206)	597509.18	4173179.73	11.21802	(13122908)
597459.50	4173179.80	10.78352	(12121108)	597409.82	4173179.86	10.63532	(12121108)
597360.14	4173179.92	10.60308	(12121108)	597310.46	4173179.99	10.56602	(12121108)
597260.77	4173180.05	10.42375	(12121108)	597211.09	4173180.11	9.88196	(11030406)

```
        597161.41   4173180.18       10.70541  (11021007)              597111.73
4173180.24       12.09976  (12022107)
        597062.05   4173180.30       11.74660  (10011506)              597012.37
4173180.37       11.85353  (12013108)
        596962.69   4173180.43       11.66164  (12013108)              596913.01
4173180.49       11.50870  (09121206)
        596863.32   4173180.56       11.48467  (09022207)              596813.64
4173180.62       11.60641  (12012207)
        597561.88   4173320.60       36.99807  (10011408)              597117.61
4173334.33       38.74964  (13120207)
        596813.77   4173326.66       42.24850  (11123006)              596813.77
4173280.62       39.53789  (09122008)
        597558.99   4173279.67       36.41810  (12121606)              597473.03
4173323.35       37.22902  (12121807)
        597384.17   4173326.09       36.93747  (12121807)              597295.32
4173328.84       36.45517  (12121807)
        597206.46   4173331.58       36.60319  (13120207)              597041.65
4173332.41       40.12054  (11123006)
        596965.69   4173330.50       40.50733  (11123006)              596889.73
4173328.58       41.66667  (11123006)
        596906.92   4173280.50       40.25230  (09122008)              597000.07
4173280.38       38.68061  (11122908)
        597093.23   4173280.26       39.20098  (09122107)              597186.38
4173280.15       36.92632  (09122107)
        597279.53   4173280.03       36.67925  (13012506)              597372.69
4173279.91       36.60671  (12021508)
        597465.84   4173279.79       36.61315  (12021508)
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CO_TRK , CO_STAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
600025.02	4173327.09	32.56214	(11123006)	600813.58	4173328.92	30.97904	(11123006)
601084.94	4173335.36	29.30245	(12121807)	601387.26	4173341.59	30.48795	(12121807)
601418.62	4173270.98	32.17940	(12121606)	601304.68	4173265.57	31.45471	(12121606)
601028.94	4173259.27	29.24469	(12121606)	600760.91	4173261.13	31.45285	(11122908)
600524.80	4173262.30	31.30148	(09122008)	599889.44	4173259.72	32.34729	(09122008)
599443.10	4173245.53	34.14842	(09122008)	599444.39	4173328.81	34.12310	(11123006)
600123.59	4173327.32	32.32560	(11123006)	600222.16	4173327.55	32.08503	(11123006)
600320.73	4173327.78	32.27903	(11123006)	600419.30	4173328.01	31.54776	(11123006)
600517.87	4173328.23	31.37597	(11123006)	600616.44	4173328.46	30.70516	(11123006)
600715.01	4173328.69	30.39118	(11123006)	600904.03	4173331.07	29.55013	(13011106)
600994.49	4173333.21	29.05719	(10011408)	601160.52	4173336.92	29.90792	(12121807)
601236.10	4173338.47	30.05533	(12121807)	601311.68	4173340.03	30.18407	(12121807)
601361.65	4173268.27	31.87636	(12121606)	601212.77	4173263.47	31.29176	(12121606)
601120.86	4173261.37	30.75662	(12121606)	600939.60	4173259.89	30.16777	(11120508)
600850.26	4173260.51	31.01230	(09122107)	600682.21	4173261.52	31.07421	(11122908)
600603.51	4173261.91	31.20761	(09122008)	600434.04	4173261.93	31.51020	(09122008)
600343.27	4173261.56	32.39351	(09122008)	600252.51	4173261.19	31.77660	(09122008)
600161.74	4173260.83	31.97365	(09122008)	600070.97	4173260.46	32.16387	(09122008)
599980.21	4173260.09	32.34050	(09122008)	599800.17	4173256.88	31.31968	(09122008)
599710.90	4173254.05	31.88297	(09122008)	599621.64	4173251.21	32.98442	(09122008)
599532.37	4173248.37	33.86351	(09122008)	599541.16	4173328.52	34.25378	(11123006)

```
        599637.94   4173328.23       33.79326  (11123006)              599734.71
4173327.95       33.07879  (11123006)
        599831.48   4173327.66       32.57921  (11123006)              599928.25
4173327.38       32.65527  (11123006)
        596788.77   4173280.62       36.69108  (12012608)              596788.77
4173326.66       38.28030  (11123006)
        596763.77   4173280.62       32.18356  (12012608)              596763.77
4173326.66       32.23640  (10021206)
        596749.74   4173254.12       22.48091  (11122908)              596787.19
4173216.62       16.26040  (09020508)
        596738.77   4173280.62       28.09075  (12012608)              596738.77
4173326.66       28.33941  (10021206)
        596728.39   4173245.29       19.66592  (11122908)              596778.33
4173195.29       15.23264  (11121907)
        596713.77   4173280.62       25.09765  (12012608)              596713.77
4173326.66       25.46932  (10021206)
        596813.14   4173351.65       24.82892  (13011106)              596856.54
4173352.75       24.89970  (13120207)
        596899.95   4173353.84       24.89188  (13120207)              596943.36
4173354.94       24.80777  (13120207)
        596986.76   4173356.03       24.49085  (11012806)              597030.17
4173357.13       24.19230  (13012708)
        597073.57   4173358.23       23.38045  (13012708)              597116.98
4173359.32       23.23713  (12012007)
        596812.51   4173376.64       18.45463  (13120207)              596855.91
4173377.74       18.38757  (11012806)
        596899.32   4173378.84       18.27837  (11012806)              596942.73
4173379.93       17.77202  (11012806)
        596986.13   4173381.03       17.99195  (13012708)              597029.54
4173382.12       18.51403  (12012007)
        597072.94   4173383.22       19.56759  (12010607)              597116.35
4173384.31       18.94472  (13022306)
        596785.97   4173390.33       16.16939  (11012806)              596749.42
4173352.84       23.50633  (11123006)
        596811.88   4173401.64       14.23489  (11012806)              596855.28
4173402.73       14.33580  (13012708)
        596898.69   4173403.83       15.18141  (11012806)              596942.09
4173404.92       16.88147  (12012007)
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CO_TRK , CO_STAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
596985.50	4173406.02	16.96573	(11012607)	597028.91	4173407.11	17.97937	(11012607)
597072.31	4173408.21	18.98063	(12010607)	597115.72	4173409.31	15.17387	(12010607)
596776.71	4173411.55	13.17343	(11012806)	596727.97	4173361.57	20.20933	(11123006)
596811.25	4173426.63	14.38095	(12012007)	596854.65	4173427.72	14.69682	(12012007)
596898.06	4173428.82	14.75715	(10012308)	596941.46	4173429.92	15.34298	(11012607)
596984.87	4173431.01	15.56451	(11012607)	597028.28	4173432.11	16.15434	(12010607)
597071.68	4173433.20	15.20513	(12012006)	597115.09	4173434.30	12.31581	(09102207)
597167.75	4173357.79	22.84602	(09022106)	597217.11	4173356.27	23.39691	(11012607)
597266.47	4173354.74	22.20519	(12010607)	597315.84	4173353.22	21.79368	(09010806)
597365.20	4173351.69	21.95685	(09010806)	597414.56	4173350.16	22.02902	(09010806)
597463.93	4173348.64	22.05861	(12121807)	597513.29	4173347.11	23.04669	(09010806)
597562.65	4173345.59	22.21822	(10020706)	597168.52	4173382.78	19.45770	(12121607)
597217.88	4173381.26	18.52803	(12121607)	597267.24	4173379.73	17.10901	(09022106)
597316.61	4173378.20	15.63814	(10121907)	597365.97	4173376.68	15.77269	(09022106)
597415.33	4173375.15	15.68628	(09010806)	597464.70	4173373.63	15.88928	(09010806)
597514.06	4173372.10	15.99694	(09010806)	597563.42	4173370.58	16.01172	(09010806)
597169.29	4173407.77	16.26103	(09020106)	597218.65	4173406.24	15.60878	(09020106)
597268.02	4173404.72	15.54371	(12121607)	597317.38	4173403.19	14.78170	(09022106)
597366.74	4173401.67	13.66132	(09022106)	597416.11	4173400.14	12.52724	(10121907)
597465.47	4173398.62	12.44194	(09022106)	597514.83	4173397.09	12.44721	(09010806)
597564.20	4173395.56	12.58749	(09010806)	597170.06	4173432.76	13.58388	(12120506)

```
        597219.43   4173431.23       13.83603  (09020106)              597268.79
4173429.71       13.70951  (09020106)
        597318.15   4173428.18       13.52010  (12121607)              597367.52
4173426.65       13.15221  (12121607)
        597416.88   4173425.13       12.35112  (09022106)              597466.24
4173423.60       11.35071  (09022106)
        597515.61   4173422.08       10.35751  (09022106)              597564.97
4173420.55       10.23484  (10121907)
        597586.82   4173318.84       31.42291  (10011408)              597583.93
4173277.91       30.10547  (12121606)
        597611.76   4173317.08       25.33403  (10011408)              597608.87
4173276.15       24.80692  (12121606)
        597627.11   4173343.10       18.88785  (12121807)              597590.86
4173383.22       13.98895  (09010806)
        597636.69   4173315.32       20.89543  (10011408)              597633.80
4173274.39       20.97943  (12121606)
        597648.86   4173350.60       17.54954  (12121807)              597600.53
4173404.09       12.71440  (12121607)
        597661.63   4173313.56       18.23264  (13121607)              597658.74
4173272.63       17.95926  (12121606)
        597558.96   4173254.67       22.03794  (13012506)              597509.28
4173254.73       22.08123  (13012506)
        597459.60   4173254.80       22.07642  (13012506)              597409.91
4173254.86       21.96175  (12120308)
        597360.23   4173254.92       21.99948  (12121308)              597310.55
4173254.99       21.60707  (12121308)
        597260.87   4173255.05       21.33936  (12120308)              597211.19
4173255.11       21.35580  (12123108)
        597161.51   4173255.18       23.11274  (13122408)              597111.83
4173255.24       24.26733  (12121006)
        597062.14   4173255.30       24.93861  (10122606)              597012.46
4173255.37       25.20324  (10122106)
        596962.78   4173255.43       25.95485  (10122106)              596913.10
4173255.49       25.38875  (09020408)
        596863.42   4173255.56       25.76267  (11122908)              596813.74
4173255.62       24.12289  (11022006)
        597558.93   4173229.67       16.27499  (12120308)              597509.24
4173229.73       16.91247  (09122007)
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CO_TRK , CO_STAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
597459.56	4173229.80	17.35613	(12121108)	597409.88	4173229.86	17.01807	(09122007)
597360.20	4173229.92	15.66383	(11030406)	597310.52	4173229.99	15.36750	(12123108)
597260.84	4173230.05	15.19464	(10120607)	597211.16	4173230.11	15.94428	(10011506)
597161.48	4173230.18	16.69799	(12013108)	597111.79	4173230.24	17.24371	(12013108)
597062.11	4173230.30	17.03694	(09121206)	597012.43	4173230.37	16.78923	(12121006)
596962.75	4173230.43	17.14211	(12121006)	596913.07	4173230.49	17.48730	(12121006)
596863.39	4173230.56	17.70883	(12121006)	596813.71	4173230.62	17.97869	(12121006)
597584.49	4173214.72	14.60589	(12121108)	597621.95	4173249.58	18.13350	(13012506)
597558.89	4173204.67	13.42747	(09123006)	597509.21	4173204.73	13.18142	(09122007)
597459.53	4173204.80	13.14291	(09123006)	597409.85	4173204.86	12.73735	(09123006)
597360.17	4173204.92	12.48312	(10020408)	597310.49	4173204.99	12.39775	(12121108)
597260.81	4173205.05	12.35270	(12121108)	597211.13	4173205.11	13.43037	(10120607)
597161.44	4173205.18	13.57410	(09020508)	597111.76	4173205.24	13.87992	(10011708)
597062.08	4173205.30	14.42345	(12013108)	597012.40	4173205.37	13.78122	(09121206)
596962.72	4173205.43	13.43753	(12011608)	596913.04	4173205.49	13.64296	(12121006)
596863.36	4173205.56	13.78023	(12121006)	596813.67	4173205.62	14.33071	(12022107)
597592.99	4173193.07	12.55013	(09122007)	597642.93	4173239.55	15.94233	(13012506)
597558.86	4173179.67	12.63451	(10042206)	597509.18	4173179.73	11.21802	(13122908)
597459.50	4173179.80	10.78352	(12121108)	597409.82	4173179.86	10.63532	(12121108)
597360.14	4173179.92	10.60308	(12121108)	597310.46	4173179.99	10.56602	(12121108)
597260.77	4173180.05	10.42375	(12121108)	597211.09	4173180.11	9.88196	(11030406)

```
        597161.41   4173180.18       10.70541  (11021007)              597111.73
4173180.24       12.09976  (12022107)
        597062.05   4173180.30       11.74660  (10011506)              597012.37
4173180.37       11.85353  (12013108)
        596962.69   4173180.43       11.66164  (12013108)              596913.01
4173180.49       11.50870  (09121206)
        596863.32   4173180.56       11.48467  (09022207)              596813.64
4173180.62       11.60641  (12012207)
        597561.88   4173320.60       36.99807  (10011408)              597117.61
4173334.33       38.77968  (13120207)
        596813.77   4173326.66       43.07668  (11123006)              596813.77
4173280.62       39.86967  (09122008)
        597558.99   4173279.67       36.41810  (12121606)              597473.03
4173323.35       37.22902  (12121807)
        597384.17   4173326.09       36.93747  (12121807)              597295.32
4173328.84       36.45517  (12121807)
        597206.46   4173331.58       36.63664  (13120207)              597041.65
4173332.41       41.12012  (11123006)
        596965.69   4173330.50       41.44405  (11123006)              596889.73
4173328.58       42.54637  (11123006)
        596906.92   4173280.50       40.61108  (09122008)              597000.07
4173280.38       39.04138  (09122008)
        597093.23   4173280.26       39.36206  (11122908)              597186.38
4173280.15       37.05231  (09122107)
        597279.53   4173280.03       36.67925  (13012506)              597372.69
4173279.91       36.60671  (12021508)
        597465.84   4173279.79       36.61315  (12021508)
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRACK ***
INCLUDING SOURCE(S): CO_TRK ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
600025.02	4173327.09	8.42383b	(13011408)	600813.58	4173328.92	8.69947b	(13011408)
601084.94	4173335.36	8.77871c	(10020708)	601387.26	4173341.59	9.12891c	(10020708)
601418.62	4173270.98	7.79691c	(13010608)	601304.68	4173265.57	8.75259c	(13102308)
601028.94	4173259.27	11.47302c	(12011608)	600760.91	4173261.13	12.33515c	(12011608)
600524.80	4173262.30	11.91034c	(12011608)	599889.44	4173259.72	11.90812c	(12011608)
599443.10	4173245.53	13.13680c	(12011608)	599444.39	4173328.81	9.27983b	(13011408)
600123.59	4173327.32	8.37427b	(13011408)	600222.16	4173327.55	8.32700b	(13011408)
600320.73	4173327.78	8.60255b	(13011408)	600419.30	4173328.01	8.19561c	(10020708)
600517.87	4173328.23	8.37010c	(10020708)	600616.44	4173328.46	8.34799c	(10020708)
600715.01	4173328.69	8.35314c	(10020708)	600904.03	4173331.07	8.57493c	(10020708)
600994.49	4173333.21	8.74126c	(10020708)	601160.52	4173336.92	8.97239c	(10020708)
601236.10	4173338.47	9.01598c	(10020708)	601311.68	4173340.03	9.06898c	(10020708)
601361.65	4173268.27	8.62481c	(13102308)	601212.77	4173263.47	10.59030c	(12121008)
601120.86	4173261.37	11.54228c	(12121008)	600939.60	4173259.89	12.02684c	(12011608)
600850.26	4173260.51	12.29492c	(12011608)	600682.21	4173261.52	11.88753c	(12011608)
600603.51	4173261.91	11.89986c	(12011608)	600434.04	4173261.93	11.89706c	(12011608)
600343.27	4173261.56	12.36608c	(12011608)	600252.51	4173261.19	11.99369c	(12011608)
600161.74	4173260.83	12.05445c	(12011608)	600070.97	4173260.46	12.10709c	(12011608)
599980.21	4173260.09	12.11094c	(12011608)	599800.17	4173256.88	11.83120c	(12011608)
599710.90	4173254.05	12.19214c	(12011608)	599621.64	4173251.21	12.74100c	(12011608)
599532.37	4173248.37	12.94909c	(12011608)	599541.16	4173328.52	9.42798b	(13011408)

```
        599637.94   4173328.23        9.26807b (13011408)              599734.71
4173327.95        8.70939b (13011408)
        599831.48   4173327.66        8.24940b (13011408)              599928.25
4173327.38        8.47147b (13011408)
        596788.77   4173280.62        0.44080c (11121508)              596788.77
4173326.66        0.41990c (11110408)
        596763.77   4173280.62        0.43556c (11121508)              596763.77
4173326.66        0.41537c (11110408)
        596749.74   4173254.12        0.46599c (11121508)              596787.19
4173216.62        0.51964c (11121508)
        596738.77   4173280.62        0.43043c (11121508)              596738.77
4173326.66        0.41095c (11110408)
        596728.39   4173245.29        0.47165c (11121508)              596778.33
4173195.29        0.54015c (11121508)
        596713.77   4173280.62        0.42543c (11121508)              596713.77
4173326.66        0.40664c (11110408)
        596813.14   4173351.65        0.41665c (11110408)              596856.54
4173352.75        0.42410c (11110408)
        596899.95   4173353.84        0.43180c (11110408)              596943.36
4173354.94        0.43973c (11110408)
        596986.76   4173356.03        0.44793c (11110408)              597030.17
4173357.13        0.45641c (11110408)
        597073.57   4173358.23        0.46516c (11110408)              597116.98
4173359.32        0.47424c (11110408)
        596812.51   4173376.64        0.40776c (11110408)              596855.91
4173377.74        0.41482c (11110408)
        596899.32   4173378.84        0.42211c (11110408)              596942.73
4173379.93        0.42963c (11110408)
        596986.13   4173381.03        0.43734c (11110408)              597029.54
4173382.12        0.44526c (11110408)
        597072.94   4173383.22        0.45352c (11110408)              597116.35
4173384.31        0.46200c (11110408)
        596785.97   4173390.33        0.39797c (11110408)              596749.42
4173352.84        0.40535c (11110408)
        596811.88   4173401.64        0.39807c (11110408)              596855.28
4173402.73        0.40474c (11110408)
        596898.69   4173403.83        0.41157c (11110408)              596942.09
4173404.92        0.41859c (11110408)
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRACK ***
INCLUDING SOURCE(S): CO_TRK ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
596985.50	4173406.02	0.42581c	(11110408)	597028.91	4173407.11	0.43325c	(11110408)
597072.31	4173408.21	0.44113c	(10021208)	597115.72	4173409.31	0.44948c	(10021208)
596776.71	4173411.55	0.39044c	(10021208)	596727.97	4173361.57	0.39931c	(11110408)
596811.25	4173426.63	0.39496c	(10021208)	596854.65	4173427.72	0.40166c	(10021208)
596898.06	4173428.82	0.40853c	(10021208)	596941.46	4173429.92	0.41543c	(10021208)
596984.87	4173431.01	0.42253c	(10021208)	597028.28	4173432.11	0.42982c	(10021208)
597071.68	4173433.20	0.43730c	(10021208)	597115.09	4173434.30	0.44499c	(10021208)
597167.75	4173357.79	0.48618c	(11110408)	597217.11	4173356.27	0.49829c	(11110408)
597266.47	4173354.74	0.51103c	(11110408)	597315.84	4173353.22	0.52445c	(11110408)
597365.20	4173351.69	0.53855c	(11110408)	597414.56	4173350.16	0.55316c	(11110408)
597463.93	4173348.64	0.56851c	(11110408)	597513.29	4173347.11	0.58452c	(11110408)
597562.65	4173345.59	0.60132c	(11110408)	597168.52	4173382.78	0.47404c	(11110408)
597217.88	4173381.26	0.48590c	(11110408)	597267.24	4173379.73	0.49829c	(11110408)
597316.61	4173378.20	0.51130c	(11110408)	597365.97	4173376.68	0.52473c	(11110408)
597415.33	4173375.15	0.53887c	(11110408)	597464.70	4173373.63	0.55360c	(11110408)
597514.06	4173372.10	0.56907c	(11110408)	597563.42	4173370.58	0.58530c	(11110408)
597169.29	4173407.77	0.46067c	(11110408)	597218.65	4173406.24	0.47198c	(11110408)
597268.02	4173404.72	0.48389c	(11110408)	597317.38	4173403.19	0.49614c	(11110408)
597366.74	4173401.67	0.50896c	(11110408)	597416.11	4173400.14	0.52239c	(11110408)
597465.47	4173398.62	0.53652c	(11110408)	597514.83	4173397.09	0.55134c	(11110408)
597564.20	4173395.56	0.56692c	(11110408)	597170.06	4173432.76	0.45608c	(10021208)

```
        597219.43   4173431.23        0.46618c (10021208)              597268.79
4173429.71        0.47695c (10021208)
        597318.15   4173428.18        0.48787c (10021208)              597367.52
4173426.65        0.49924c (10021208)
        597416.88   4173425.13        0.51109c (10021208)              597466.24
4173423.60        0.52348c (10021208)
        597515.61   4173422.08        0.53650c (10021208)              597564.97
4173420.55        0.55014c (10021208)
        597586.82   4173318.84        0.62405c (11110408)              597583.93
4173277.91        0.68728c (11121508)
        597611.76   4173317.08        0.63383c (11110408)              597608.87
4173276.15        0.70217c (11121508)
        597627.11   4173343.10        0.62495c (11110408)              597590.86
4173383.22        0.58473c (11110408)
        597636.69   4173315.32        0.64385c (11110408)              597633.80
4173274.39        0.71744c (11121508)
        597648.86   4173350.60        0.62807c (11110408)              597600.53
4173404.09        0.57025c (11110408)
        597661.63   4173313.56        0.65418c (11110408)              597658.74
4173272.63        0.73318c (11121508)
        597558.96   4173254.67        0.72602c (11121508)              597509.28
4173254.73        0.70374c (11121508)
        597459.60   4173254.80        0.68186c (11121508)              597409.91
4173254.86        0.66159c (11121508)
        597360.23   4173254.92        0.64240c (11121508)              597310.55
4173254.99        0.62416c (11121508)
        597260.87   4173255.05        0.60678c (11121508)              597211.19
4173255.11        0.59011c (11121508)
        597161.51   4173255.18        0.57408c (11121508)              597111.83
4173255.24        0.55885c (11121508)
        597062.14   4173255.30        0.54418c (11121508)              597012.46
4173255.37        0.52966c (11121508)
        596962.78   4173255.43        0.51626c (11121508)              596913.10
4173255.49        0.50340c (11121508)
        596863.42   4173255.56        0.49089c (11121508)              596813.74
4173255.62        0.47874c (11121508)
        597558.93   4173229.67        0.77368c (11121508)              597509.24
4173229.73        0.74959c (11121508)
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRACK ***
INCLUDING SOURCE(S): CO_TRK ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
597459.56	4173229.80	0.72694c	(11121508)	597409.88	4173229.86	0.70555c	(11121508)
597360.20	4173229.92	0.68469c	(11121508)	597310.52	4173229.99	0.66552c	(11121508)
597260.84	4173230.05	0.64643c	(11121508)	597211.16	4173230.11	0.62902c	(11121508)
597161.48	4173230.18	0.61172c	(11121508)	597111.79	4173230.24	0.59518c	(11121508)
597062.11	4173230.30	0.57947c	(11121508)	597012.43	4173230.37	0.56431c	(11121508)
596962.75	4173230.43	0.54994c	(11121508)	596913.07	4173230.49	0.53614c	(11121508)
596863.39	4173230.56	0.52263c	(11121508)	596813.71	4173230.62	0.50993c	(11121508)
597584.49	4173214.72	0.81265c	(11121508)	597621.95	4173249.58	0.76574c	(11121508)
597558.89	4173204.67	0.81537c	(11121508)	597509.21	4173204.73	0.79018c	(11121508)
597459.53	4173204.80	0.76663c	(11121508)	597409.85	4173204.86	0.74433c	(11121508)
597360.17	4173204.92	0.72293c	(11121508)	597310.49	4173204.99	0.70245c	(11121508)
597260.81	4173205.05	0.68250c	(11121508)	597211.13	4173205.11	0.66399c	(11121508)
597161.44	4173205.18	0.64600c	(11121508)	597111.76	4173205.24	0.62873c	(11121508)
597062.08	4173205.30	0.61221c	(11121508)	597012.40	4173205.37	0.59637c	(11121508)
596962.72	4173205.43	0.58129c	(11121508)	596913.04	4173205.49	0.56654c	(11121508)
596863.36	4173205.56	0.55228c	(11121508)	596813.67	4173205.62	0.53888c	(11121508)
597592.99	4173193.07	0.84991c	(11121508)	597642.93	4173239.55	0.79694c	(11121508)
597558.86	4173179.67	0.84917c	(11121508)	597509.18	4173179.73	0.82388c	(11121508)
597459.50	4173179.80	0.79982c	(11121508)	597409.82	4173179.86	0.77689c	(11121508)
597360.14	4173179.92	0.75491c	(11121508)	597310.46	4173179.99	0.73341c	(11121508)
597260.77	4173180.05	0.71330c	(11121508)	597211.09	4173180.11	0.69413c	(11121508)

```
        597161.41   4173180.18        0.67575c (11121508)              597111.73
4173180.24        0.65820c (11121508)
        597062.05   4173180.30        0.64129c (11121508)              597012.37
4173180.37        0.62493c (11121508)
        596962.69   4173180.43        0.60933c (11121508)              596913.01
4173180.49        0.59388c (11121508)
        596863.32   4173180.56        0.57916c (11121508)              596813.64
4173180.62        0.56514c (11121508)
        597561.88   4173320.60        0.61461c (11110408)              597117.61
4173334.33        0.48407c (11110408)
        596813.77   4173326.66        0.42445c (11110408)              596813.77
4173280.62        0.44612c (11121508)
        597558.99   4173279.67        0.67267c (11121508)              597473.03
4173323.35        0.58423c (11110408)
        597384.17   4173326.09        0.55616c (11110408)              597295.32
4173328.84        0.53045c (11110408)
        597206.46   4173331.58        0.50645c (11110408)              597041.65
4173332.41        0.46791c (11110408)
        596965.69   4173330.50        0.45259c (11110408)              596889.73
4173328.58        0.43817c (11110408)
        596906.92   4173280.50        0.46738c (11121508)              597000.07
4173280.38        0.48980c (11121508)
        597093.23   4173280.26        0.51454c (11121508)              597186.38
4173280.15        0.54106c (11121508)
        597279.53   4173280.03        0.56973c (11121508)              597372.69
4173279.91        0.60069c (11121508)
        597465.84   4173279.79        0.63509c (11121508)
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STATION ***
INCLUDING SOURCE(S): CO_STAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
600025.02	4173327.09	0.21834c	(13010608)	600813.58	4173328.92	0.15507c	(13010608)
601084.94	4173335.36	0.13818c	(13121608)	601387.26	4173341.59	0.12990c	(13121608)
601418.62	4173270.98	0.13743c	(13010608)	601304.68	4173265.57	0.14446c	(13010608)
601028.94	4173259.27	0.15840c	(13010608)	600760.91	4173261.13	0.17654c	(13010608)
600524.80	4173262.30	0.19103c	(13010608)	599889.44	4173259.72	0.26412c	(13010608)
599443.10	4173245.53	0.36226c	(13010608)	599444.39	4173328.81	0.30997c	(13010608)
600123.59	4173327.32	0.20738c	(13010608)	600222.16	4173327.55	0.19727c	(13010608)
600320.73	4173327.78	0.19176c	(13010608)	600419.30	4173328.01	0.17988c	(13010608)
600517.87	4173328.23	0.17339c	(13010608)	600616.44	4173328.46	0.16453c	(13010608)
600715.01	4173328.69	0.15883c	(13010608)	600904.03	4173331.07	0.14785c	(13010608)
600994.49	4173333.21	0.14260c	(13121608)	601160.52	4173336.92	0.13945c	(13121608)
601236.10	4173338.47	0.13647c	(13121608)	601311.68	4173340.03	0.13312c	(13121608)
601361.65	4173268.27	0.14089c	(13010608)	601212.77	4173263.47	0.14786c	(13010608)
601120.86	4173261.37	0.15445c	(13010608)	600939.60	4173259.89	0.16409c	(13010608)
600850.26	4173260.51	0.17042c	(13010608)	600682.21	4173261.52	0.17781c	(13010608)
600603.51	4173261.91	0.18399c	(13010608)	600434.04	4173261.93	0.19969c	(13010608)
600343.27	4173261.56	0.21385c	(13010608)	600252.51	4173261.19	0.21767c	(13010608)
600161.74	4173260.83	0.22809c	(13010608)	600070.97	4173260.46	0.23932c	(13010608)
599980.21	4173260.09	0.25124c	(13010608)	599800.17	4173256.88	0.27905c	(13010608)
599710.90	4173254.05	0.29533c	(13010608)	599621.64	4173251.21	0.32210c	(13010608)
599532.37	4173248.37	0.34199c	(13010608)	599541.16	4173328.52	0.29194c	(13010608)

```
        599637.94   4173328.23        0.27547c (13010608)              599734.71
4173327.95        0.25742c (13010608)
        599831.48   4173327.66        0.24183c (13010608)              599928.25
4173327.38        0.22958c (13010608)
        596788.77   4173280.62       12.67707c (12011608)              596788.77
4173326.66        8.00249c (11110408)
        596763.77   4173280.62        9.47804c (12011608)              596763.77
4173326.66        6.59855c (11110408)
        596749.74   4173254.12        7.82775c (12011608)              596787.19
4173216.62        6.70985c (12121008)
        596738.77   4173280.62        7.33356c (12011608)              596738.77
4173326.66        5.55553c (11110408)
        596728.39   4173245.29        6.67554c (12011608)              596778.33
4173195.29        5.63773c (12121008)
        596713.77   4173280.62        6.45763c (11121508)              596713.77
4173326.66        4.85438c (11110408)
        596813.14   4173351.65        7.03353b (13011408)              596856.54
4173352.75        7.32199b (13011408)
        596899.95   4173353.84        7.29988b (13011408)              596943.36
4173354.94        7.25310b (13011408)
        596986.76   4173356.03        7.17896b (13011408)              597030.17
4173357.13        7.46333c (12120616)
        597073.57   4173358.23        7.76717c (12120616)              597116.98
4173359.32        7.89815c (12120616)
        596812.51   4173376.64        5.43043c (12012008)              596855.91
4173377.74        5.51703c (12012008)
        596899.32   4173378.84        5.44773c (12012008)              596942.73
4173379.93        5.27528c (12012008)
        596986.13   4173381.03        5.57096c (12012008)              597029.54
4173382.12        5.94599c (12012008)
        597072.94   4173383.22        6.22744c (12012008)              597116.35
4173384.31        5.71659c (12012008)
        596785.97   4173390.33        4.89618c (12012008)              596749.42
4173352.84        4.82115c (13021708)
        596811.88   4173401.64        4.25516c (12012008)              596855.28
4173402.73        4.30294c (12012008)
        596898.69   4173403.83        4.47193c (12012008)              596942.09
4173404.92        5.10413c (12012008)
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STATION ***
INCLUDING SOURCE(S): CO_STAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
596985.50	4173406.02	5.32148c	(12012008)	597028.91	4173407.11	5.35013c	(12012008)
597072.31	4173408.21	5.16203c	(12012008)	597115.72	4173409.31	4.67202c	(10122008)
596776.71	4173411.55	4.12996c	(12012008)	596727.97	4173361.57	4.12745c	(13021708)
596811.25	4173426.63	4.15072c	(12012008)	596854.65	4173427.72	4.33431c	(12012008)
596898.06	4173428.82	4.52599c	(12012008)	596941.46	4173429.92	4.64265c	(12012008)
596984.87	4173431.01	4.60761c	(12012008)	597028.28	4173432.11	4.43056c	(12012008)
597071.68	4173433.20	4.05813c	(12010608)	597115.09	4173434.30	3.93059c	(10122008)
597167.75	4173357.79	7.92346c	(12120616)	597217.11	4173356.27	7.87213c	(12120616)
597266.47	4173354.74	7.78384c	(12120616)	597315.84	4173353.22	7.63792c	(12120616)
597365.20	4173351.69	7.37801c	(12120616)	597414.56	4173350.16	7.22989c	(12120616)
597463.93	4173348.64	7.05802c	(12120616)	597513.29	4173347.11	6.79602c	(12120616)
597562.65	4173345.59	6.67419c	(10020708)	597168.52	4173382.78	5.95030c	(12120616)
597217.88	4173381.26	5.38682c	(12120616)	597267.24	4173379.73	5.22550c	(09010808)
597316.61	4173378.20	5.23108c	(09010808)	597365.97	4173376.68	5.20923c	(09010808)
597415.33	4173375.15	5.00076c	(09010808)	597464.70	4173373.63	4.89964c	(09010808)
597514.06	4173372.10	4.69137c	(12120616)	597563.42	4173370.58	4.45809c	(12121808)
597169.29	4173407.77	5.06815c	(10122008)	597218.65	4173406.24	4.83162c	(10122008)
597268.02	4173404.72	4.35150c	(10122008)	597317.38	4173403.19	4.20638c	(09022108)
597366.74	4173401.67	3.97541c	(09022108)	597416.11	4173400.14	3.90363c	(09010808)
597465.47	4173398.62	3.95603c	(09010808)	597514.83	4173397.09	3.67906c	(12120616)
597564.20	4173395.56	3.48375c	(12121808)	597170.06	4173432.76	4.55519c	(10122008)

```
        597219.43   4173431.23        4.47272c (10122008)              597268.79
4173429.71        4.10632c (10122008)
        597318.15   4173428.18        3.84290c (10011208)              597367.52
4173426.65        3.65221c (09022108)
        597416.88   4173425.13        3.48777c (09022108)              597466.24
4173423.60        3.28813c (10122008)
        597515.61   4173422.08        3.17673c (10122008)              597564.97
4173420.55        2.90982c (10122008)
        597586.82   4173318.84        9.40910c (10020708)              597583.93
4173277.91        7.10869c (13010608)
        597611.76   4173317.08        7.45760c (10020708)              597608.87
4173276.15        5.86634c (13010608)
        597627.11   4173343.10        5.63682c (10020708)              597590.86
4173383.22        3.84799c (13032608)
        597636.69   4173315.32        6.07506c (10020708)              597633.80
4173274.39        4.93094c (13010608)
        597648.86   4173350.60        5.10099c (10020708)              597600.53
4173404.09        3.11008c (10033108)
        597661.63   4173313.56        5.13623c (10020708)              597658.74
4173272.63        4.18995c (13010608)
        597558.96   4173254.67        6.32876c (13102308)              597509.28
4173254.73        6.64060c (13102308)
        597459.60   4173254.80        6.75021c (13102308)              597409.91
4173254.86        6.92931c (12121008)
        597360.23   4173254.92        8.05054c (12121008)              597310.55
4173254.99        8.80154c (12121008)
        597260.87   4173255.05        9.25945c (12121008)              597211.19
4173255.11        9.49916c (12121008)
        597161.51   4173255.18        9.47783c (12121008)              597111.83
4173255.24       10.02823c (12121008)
        597062.14   4173255.30        9.32642c (12121008)              597012.46
4173255.37        9.79309c (12121008)
        596962.78   4173255.43       10.05394c (12121008)              596913.10
4173255.49        9.93885c (12121008)
        596863.42   4173255.56        9.93961c (12121008)              596813.74
4173255.62        9.48977c (12121008)
        597558.93   4173229.67        4.59183c (13102308)              597509.24
4173229.73        4.85481c (13102308)
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STATION ***
INCLUDING SOURCE(S): CO_STAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
597459.56	4173229.80	5.29246c	(13102308)	597409.88	4173229.86	5.33767c	(13102308)
597360.20	4173229.92	5.31496c	(13102308)	597310.52	4173229.99	5.73382c	(12121008)
597260.84	4173230.05	6.35840c	(12121008)	597211.16	4173230.11	6.90760c	(12121008)
597161.48	4173230.18	7.23638c	(12121008)	597111.79	4173230.24	7.44757c	(12121008)
597062.11	4173230.30	7.17845c	(12121008)	597012.43	4173230.37	7.11599c	(12121008)
596962.75	4173230.43	7.29152c	(12121008)	596913.07	4173230.49	7.46772c	(12121008)
596863.39	4173230.56	7.52938c	(12121008)	596813.71	4173230.62	7.66371c	(12121008)
597584.49	4173214.72	4.06443c	(13102308)	597621.95	4173249.58	3.88603c	(13010608)
597558.89	4173204.67	3.93277c	(13102308)	597509.21	4173204.73	4.28144c	(13102308)
597459.53	4173204.80	4.22930c	(13102308)	597409.85	4173204.86	4.25238c	(13102308)
597360.17	4173204.92	4.09432c	(13102308)	597310.49	4173204.99	3.93870c	(13102308)
597260.81	4173205.05	4.13580c	(12012208)	597211.13	4173205.11	5.06122c	(12121008)
597161.44	4173205.18	5.53280c	(12121008)	597111.76	4173205.24	5.92391c	(12121008)
597062.08	4173205.30	5.90898c	(12121008)	597012.40	4173205.37	5.82312c	(12121008)
596962.72	4173205.43	5.85555c	(12121008)	596913.04	4173205.49	5.92632c	(12121008)
596863.36	4173205.56	5.98067c	(12121008)	596813.67	4173205.62	6.09582c	(12121008)
597592.99	4173193.07	3.58138c	(13102308)	597642.93	4173239.55	3.26708c	(13010608)
597558.86	4173179.67	3.78605c	(13102308)	597509.18	4173179.73	3.66080c	(13102308)
597459.50	4173179.80	3.59036c	(13102308)	597409.82	4173179.86	3.46257c	(13102308)
597360.14	4173179.92	3.32452c	(13102308)	597310.46	4173179.99	3.18843c	(13102308)
597260.77	4173180.05	3.08075c	(13102308)	597211.09	4173180.11	3.30808c	(12012208)

```
        597161.41   4173180.18        3.94680c (12012208)              597111.73
4173180.24        4.42958c (12121008)
        597062.05   4173180.30        4.87723c (12121008)              597012.37
4173180.37        4.89295c (12121008)
        596962.69   4173180.43        4.96028c (12121008)              596913.01
4173180.49        4.98930c (12121008)
        596863.32   4173180.56        5.03384c (12121008)              596813.64
4173180.62        5.11043c (12121008)
        597561.88   4173320.60       11.09179c (10020708)              597117.61
4173334.33       10.62975c (12120616)
        596813.77   4173326.66        9.40648c (11110408)              596813.77
4173280.62       14.86516c (12011608)
        597558.99   4173279.67        9.50451c (13102308)              597473.03
4173323.35       11.15978c (10020708)
        597384.17   4173326.09       10.98708c (12091908)              597295.32
4173328.84       10.88612c (12091908)
        597206.46   4173331.58       10.62405c (12091908)              597041.65
4173332.41       10.26600b (13011408)
        596965.69   4173330.50        9.89815b (13011408)              596889.73
4173328.58        9.81140b (13011408)
        596906.92   4173280.50       15.52697c (12011608)              597000.07
4173280.38       15.05576c (12011608)
        597093.23   4173280.26       15.65829c (12011608)              597186.38
4173280.15       14.88764c (12011608)
        597279.53   4173280.03       13.85882c (12011608)              597372.69
4173279.91       12.47917c (12011608)
        597465.84   4173279.79       10.29388c (12121008)
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CO_TRK , CO_STAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
600025.02	4173327.09	8.42383b	(13011408)	600813.58	4173328.92	8.73973c	(10020708)
601084.94	4173335.36	8.86835c	(10020708)	601387.26	4173341.59	9.20589c	(10020708)
601418.62	4173270.98	7.93433c	(13010608)	601304.68	4173265.57	8.76465c	(13102308)
601028.94	4173259.27	11.47302c	(12011608)	600760.91	4173261.13	12.33515c	(12011608)
600524.80	4173262.30	11.91034c	(12011608)	599889.44	4173259.72	11.90812c	(12011608)
599443.10	4173245.53	13.13680c	(12011608)	599444.39	4173328.81	9.27983b	(13011408)
600123.59	4173327.32	8.37427b	(13011408)	600222.16	4173327.55	8.32700b	(13011408)
600320.73	4173327.78	8.60255b	(13011408)	600419.30	4173328.01	8.32396c	(10020708)
600517.87	4173328.23	8.49072c	(10020708)	600616.44	4173328.46	8.46308c	(10020708)
600715.01	4173328.69	8.46156c	(10020708)	600904.03	4173331.07	8.67261c	(10020708)
600994.49	4173333.21	8.83501c	(10020708)	601160.52	4173336.92	9.05754c	(10020708)
601236.10	4173338.47	9.09817c	(10020708)	601311.68	4173340.03	9.14849c	(10020708)
601361.65	4173268.27	8.63636c	(13102308)	601212.77	4173263.47	10.59030c	(12121008)
601120.86	4173261.37	11.54228c	(12121008)	600939.60	4173259.89	12.02684c	(12011608)
600850.26	4173260.51	12.29492c	(12011608)	600682.21	4173261.52	11.88753c	(12011608)
600603.51	4173261.91	11.89986c	(12011608)	600434.04	4173261.93	11.89706c	(12011608)
600343.27	4173261.56	12.36608c	(12011608)	600252.51	4173261.19	11.99369c	(12011608)
600161.74	4173260.83	12.05445c	(12011608)	600070.97	4173260.46	12.10709c	(12011608)
599980.21	4173260.09	12.11094c	(12011608)	599800.17	4173256.88	11.83120c	(12011608)
599710.90	4173254.05	12.19214c	(12011608)	599621.64	4173251.21	12.74100c	(12011608)
599532.37	4173248.37	12.94909c	(12011608)	599541.16	4173328.52	9.42798b	(13011408)

```
        599637.94   4173328.23        9.26807b (13011408)              599734.71
4173327.95        8.70939b (13011408)
        599831.48   4173327.66        8.24940b (13011408)              599928.25
4173327.38        8.47147b (13011408)
        596788.77   4173280.62       12.97989c (12011608)              596788.77
4173326.66        8.42240c (11110408)
        596763.77   4173280.62        9.77775c (12011608)              596763.77
4173326.66        7.01392c (11110408)
        596749.74   4173254.12        8.11059c (12011608)              596787.19
4173216.62        6.70992c (12121008)
        596738.77   4173280.62        7.73853c (11121508)              596738.77
4173326.66        5.96647c (11110408)
        596728.39   4173245.29        6.95026c (12011608)              596778.33
4173195.29        5.63788c (12121008)
        596713.77   4173280.62        6.88306c (11121508)              596713.77
4173326.66        5.26103c (11110408)
        596813.14   4173351.65        7.27853b (13011408)              596856.54
4173352.75        7.57277b (13011408)
        596899.95   4173353.84        7.55661b (13011408)              596943.36
4173354.94        7.51602b (13011408)
        596986.76   4173356.03        7.44825b (13011408)              597030.17
4173357.13        7.46333c (12120616)
        597073.57   4173358.23        7.76717c (12120616)              597116.98
4173359.32        7.89815c (12120616)
        596812.51   4173376.64        5.48228b (13011408)              596855.91
4173377.74        5.55834b (13011408)
        596899.32   4173378.84        5.53419b (13011408)              596942.73
4173379.93        5.44139b (13011408)
        596986.13   4173381.03        5.57096c (12012008)              597029.54
4173382.12        5.94599c (12012008)
        597072.94   4173383.22        6.22744c (12012008)              597116.35
4173384.31        5.71659c (12012008)
        596785.97   4173390.33        4.89618c (12012008)              596749.42
4173352.84        5.01841c (13021708)
        596811.88   4173401.64        4.25516c (12012008)              596855.28
4173402.73        4.30294c (12012008)
        596898.69   4173403.83        4.47193c (12012008)              596942.09
4173404.92        5.10413c (12012008)
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CO_TRK , CO_STAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
596985.50	4173406.02	5.32148c	(12012008)	597028.91	4173407.11	5.35013c	(12012008)
597072.31	4173408.21	5.16203c	(12012008)	597115.72	4173409.31	4.67202c	(10122008)
596776.71	4173411.55	4.12996c	(12012008)	596727.97	4173361.57	4.32686c	(13021708)
596811.25	4173426.63	4.15072c	(12012008)	596854.65	4173427.72	4.33431c	(12012008)
596898.06	4173428.82	4.52599c	(12012008)	596941.46	4173429.92	4.64265c	(12012008)
596984.87	4173431.01	4.60761c	(12012008)	597028.28	4173432.11	4.43056c	(12012008)
597071.68	4173433.20	4.05813c	(12010608)	597115.09	4173434.30	3.93059c	(10122008)
597167.75	4173357.79	7.92346c	(12120616)	597217.11	4173356.27	7.87213c	(12120616)
597266.47	4173354.74	7.78384c	(12120616)	597315.84	4173353.22	7.63792c	(12120616)
597365.20	4173351.69	7.37801c	(12120616)	597414.56	4173350.16	7.22989c	(12120616)
597463.93	4173348.64	7.05802c	(12120616)	597513.29	4173347.11	6.79602c	(12120616)
597562.65	4173345.59	6.67419c	(10020708)	597168.52	4173382.78	5.95030c	(12120616)
597217.88	4173381.26	5.38682c	(12120616)	597267.24	4173379.73	5.22550c	(09010808)
597316.61	4173378.20	5.23108c	(09010808)	597365.97	4173376.68	5.20923c	(09010808)
597415.33	4173375.15	5.00076c	(09010808)	597464.70	4173373.63	4.89964c	(09010808)
597514.06	4173372.10	4.69137c	(12120616)	597563.42	4173370.58	4.45809c	(12121808)
597169.29	4173407.77	5.06815c	(10122008)	597218.65	4173406.24	4.83162c	(10122008)
597268.02	4173404.72	4.35150c	(10122008)	597317.38	4173403.19	4.20638c	(09022108)
597366.74	4173401.67	3.97541c	(09022108)	597416.11	4173400.14	3.90363c	(09010808)
597465.47	4173398.62	3.95603c	(09010808)	597514.83	4173397.09	3.67906c	(12120616)
597564.20	4173395.56	3.48375c	(12121808)	597170.06	4173432.76	4.55519c	(10122008)

```
        597219.43   4173431.23        4.47272c (10122008)              597268.79
4173429.71        4.10632c (10122008)
        597318.15   4173428.18        3.84290c (10011208)              597367.52
4173426.65        3.65221c (09022108)
        597416.88   4173425.13        3.48777c (09022108)              597466.24
4173423.60        3.28813c (10122008)
        597515.61   4173422.08        3.17673c (10122008)              597564.97
4173420.55        2.90982c (10122008)
        597586.82   4173318.84        9.40910c (10020708)              597583.93
4173277.91        7.10869c (13010608)
        597611.76   4173317.08        7.45760c (10020708)              597608.87
4173276.15        5.86634c (13010608)
        597627.11   4173343.10        5.63682c (10020708)              597590.86
4173383.22        3.84799c (13032608)
        597636.69   4173315.32        6.07506c (10020708)              597633.80
4173274.39        4.93094c (13010608)
        597648.86   4173350.60        5.10099c (10020708)              597600.53
4173404.09        3.11008c (10033108)
        597661.63   4173313.56        5.13623c (10020708)              597658.74
4173272.63        4.18995c (13010608)
        597558.96   4173254.67        6.32876c (13102308)              597509.28
4173254.73        6.64060c (13102308)
        597459.60   4173254.80        6.75021c (13102308)              597409.91
4173254.86        6.92956c (12121008)
        597360.23   4173254.92        8.05077c (12121008)              597310.55
4173254.99        8.80176c (12121008)
        597260.87   4173255.05        9.25964c (12121008)              597211.19
4173255.11        9.49931c (12121008)
        597161.51   4173255.18        9.47794c (12121008)              597111.83
4173255.24       10.02831c (12121008)
        597062.14   4173255.30        9.32649c (12121008)              597012.46
4173255.37        9.79315c (12121008)
        596962.78   4173255.43       10.05399c (12121008)              596913.10
4173255.49        9.93889c (12121008)
        596863.42   4173255.56        9.93964c (12121008)              596813.74
4173255.62        9.66334c (12011608)
        597558.93   4173229.67        4.59183c (13102308)              597509.24
4173229.73        4.85481c (13102308)
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CO_TRK , CO_STAT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
597459.56	4173229.80	5.29246c	(13102308)	597409.88	4173229.86	5.33767c	(13102308)
597360.20	4173229.92	5.31496c	(13102308)	597310.52	4173229.99	5.73410c	(12121008)
597260.84	4173230.05	6.35865c	(12121008)	597211.16	4173230.11	6.90784c	(12121008)
597161.48	4173230.18	7.23660c	(12121008)	597111.79	4173230.24	7.44778c	(12121008)
597062.11	4173230.30	7.17863c	(12121008)	597012.43	4173230.37	7.11612c	(12121008)
596962.75	4173230.43	7.29162c	(12121008)	596913.07	4173230.49	7.46780c	(12121008)
596863.39	4173230.56	7.52945c	(12121008)	596813.71	4173230.62	7.66376c	(12121008)
597584.49	4173214.72	4.06443c	(13102308)	597621.95	4173249.58	3.88603c	(13010608)
597558.89	4173204.67	3.93277c	(13102308)	597509.21	4173204.73	4.28144c	(13102308)
597459.53	4173204.80	4.22930c	(13102308)	597409.85	4173204.86	4.25238c	(13102308)
597360.17	4173204.92	4.09432c	(13102308)	597310.49	4173204.99	3.93870c	(13102308)
597260.81	4173205.05	4.13580c	(12012208)	597211.13	4173205.11	5.06155c	(12121008)
597161.44	4173205.18	5.53309c	(12121008)	597111.76	4173205.24	5.92416c	(12121008)
597062.08	4173205.30	5.90920c	(12121008)	597012.40	4173205.37	5.82334c	(12121008)
596962.72	4173205.43	5.85576c	(12121008)	596913.04	4173205.49	5.92652c	(12121008)
596863.36	4173205.56	5.98084c	(12121008)	596813.67	4173205.62	6.09595c	(12121008)
597592.99	4173193.07	3.58138c	(13102308)	597642.93	4173239.55	3.26708c	(13010608)
597558.86	4173179.67	3.78605c	(13102308)	597509.18	4173179.73	3.66080c	(13102308)
597459.50	4173179.80	3.59036c	(13102308)	597409.82	4173179.86	3.46257c	(13102308)
597360.14	4173179.92	3.32452c	(13102308)	597310.46	4173179.99	3.18843c	(13102308)
597260.77	4173180.05	3.08075c	(13102308)	597211.09	4173180.11	3.30831c	(12121008)

```
        597161.41   4173180.18        3.94680c (12012208)              597111.73
4173180.24        4.42998c (12121008)
        597062.05   4173180.30        4.87758c (12121008)              597012.37
4173180.37        4.89325c (12121008)
        596962.69   4173180.43        4.96053c (12121008)              596913.01
4173180.49        4.98952c (12121008)
        596863.32   4173180.56        5.03404c (12121008)              596813.64
4173180.62        5.11063c (12121008)
        597561.88   4173320.60       11.09179c (10020708)              597117.61
4173334.33       10.62975c (12120616)
        596813.77   4173326.66        9.83093c (11110408)              596813.77
4173280.62       15.17116c (12011608)
        597558.99   4173279.67        9.50451c (13102308)              597473.03
4173323.35       11.15978c (10020708)
        597384.17   4173326.09       10.98708c (12091908)              597295.32
4173328.84       10.88612c (12091908)
        597206.46   4173331.58       10.62405c (12091908)              597041.65
4173332.41       10.52829b (13011408)
        596965.69   4173330.50       10.14922b (13011408)              596889.73
4173328.58       10.05218b (13011408)
        596906.92   4173280.50       15.84554c (12011608)              597000.07
4173280.38       15.38750c (12011608)
        597093.23   4173280.26       16.00449c (12011608)              597186.38
4173280.15       15.24914c (12011608)
        597279.53   4173280.03       14.23686c (12011608)              597372.69
4173279.91       12.87505c (12011608)
        597465.84   4173279.79       10.29407c (12121008)
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF CO IN MICROGRAMS/M**3 **

NETWORK GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
TRACK	HIGH 1ST HIGH VALUE IS	34.25378	ON 11123006: AT (599541.16, 4173328.52, 107.00, 107.00, 1.20)	DC	
STATION	HIGH 1ST HIGH VALUE IS	42.24850	ON 11123006: AT (596813.77, 4173326.66, 100.00, 100.00, 1.20)	DC	
ALL	HIGH 1ST HIGH VALUE IS	43.07668	ON 11123006: AT (596813.77, 4173326.66, 100.00, 100.00, 1.20)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** THE SUMMARY OF HIGHEST 8-HR RESULTS ***

** CONC OF CO IN MICROGRAMS/M**3 **

NETWORK GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
TRACK	HIGH 1ST HIGH VALUE IS	13.13680c	ON 12011608: AT (599443.10, 4173245.53, 106.88, 106.88, 1.20)	DC	
STATION	HIGH 1ST HIGH VALUE IS	15.65829c	ON 12011608: AT (597093.23, 4173280.26, 101.00, 101.00, 1.20)	DC	
ALL	HIGH 1ST HIGH VALUE IS	16.00449c	ON 12011608: AT (597093.23, 4173280.26, 101.00, 101.00, 1.20)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN

*** Message Summary : AERMOD Model Execution ***

--------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   0 Warning Message(s)
A Total of   15235 Informational Message(s)

A Total of   43872 Hours Were Processed

A Total of   13448 Calm Hours Identified

A Total of   1787 Missing Hours Identified (4.07 Percent)

******** FATAL ERROR MESSAGES ********
*** NONE ***

******** WARNING MESSAGES ********
*** NONE ***

****
*** AERMOD Finishes Successfully ***
****

HARP2 - HRACalc (dated 19044) 7/22/2020 1:19:42 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 0
Total Exposure Duration: 2

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 2
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home

3rd Trimester to 16 years: OFF
16 years to 70 years: ON

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|DBRs changed|FAH changed|
Calculating cancer risk
Cancer risk saved to: C:\Users\19551\OneDrive - ICF\Valley Link\HARP\Dublin_Station_0_2CancerRisk.csv
Calculating chronic risk
Chronic risk saved to: C:\Users\19551\OneDrive - ICF\Valley Link\HARP\Dublin_Station_0_2NCChronicRisk.csv
Calculating acute risk
Acute risk saved to: C:\Users\19551\OneDrive - ICF\Valley Link\HARP\Dublin_Station_0_2NCAcuteRisk.csv
HRA ran successfully

HARP2 - HRACalc (dated 19044) 7/22/2020 1:45:36 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 2
Total Exposure Duration: 2

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 2
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home

3rd Trimester to 16 years: OFF
16 years to 70 years: ON

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|DBRs changed|FAH changed|
Calculating cancer risk
Cancer risk saved to: C:\Users\19551\OneDrive - ICF\Valley Link\HARP\Dublin_Station_2_9CancerRisk.csv
Calculating chronic risk
Chronic risk saved to: C:\Users\19551\OneDrive - ICF\Valley Link\HARP\Dublin_Station_2_9NCChronicRisk.csv
Calculating acute risk
Acute risk saved to: C:\Users\19551\OneDrive - ICF\Valley Link\HARP\Dublin_Station_2_9NCAcuteRisk.csv
HRA ran successfully

HARP2 - HRACalc (dated 19044) 7/22/2020 1:17:49 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 0
Total Exposure Duration: 2

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 2
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home

3rd Trimester to 16 years: OFF
16 years to 70 years: ON

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|DBRs changed|FAH changed|
Calculating cancer risk
Cancer risk saved to: C:\Users\19551\OneDrive - ICF\Valley Link\HARP\Dublin_Track_0_2CancerRisk.csv
Calculating chronic risk
Chronic risk saved to: C:\Users\19551\OneDrive - ICF\Valley Link\HARP\Dublin_Track_0_2NCChronicRisk.csv
Calculating acute risk
Acute risk saved to: C:\Users\19551\OneDrive - ICF\Valley Link\HARP\Dublin_Track_0_2NCAcuteRisk.csv
HRA ran successfully

HARP2 - HRACalc (dated 19044) 7/22/2020 1:40:14 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 2
Total Exposure Duration: 2

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 2
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home

3rd Trimester to 16 years: OFF
16 years to 70 years: ON

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|DBRs changed|FAH changed|
Calculating cancer risk
Cancer risk saved to: C:\Users\19551\OneDrive - ICF\Valley Link\HARP\Dublin_Track_2_9CancerRisk.csv
Calculating chronic risk
Chronic risk saved to: C:\Users\19551\OneDrive - ICF\Valley Link\HARP\Dublin_Track_2_9NCChronicRisk.csv
Calculating acute risk
Acute risk saved to: C:\Users\19551\OneDrive - ICF\Valley Link\HARP\Dublin_Track_2_9NCAcuteRisk.csv
HRA ran successfully

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.9.0
** Lakes Environmental Software Inc.
** Date: 7/22/2020
** File: C:\Lakes\AERMOD View\Tracy HRA_M\Tracy HRA_M.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE Valley Link HRA Tracy
   TITLETWO Tier 4 Mitigation Construction
   MODELOPT CONC FASTAREA
   AVERTIME ANNUAL
   URBANOPT 91812 Tracy,_CA
   POLLUTID DPM
   FLAGPOLE 1.20
   RUNORNOT NOT
   ERRORFIL "Tracy HRA_M.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION TRACK22      AREAPOLY   638522.103  4177309.794       19.770
** DESCRSRC Track Segment
   LOCATION TRACK23      AREAPOLY   638522.103  4177309.794       19.770
** DESCRSRC Track Segment
   LOCATION TRACK24      AREAPOLY   638522.103  4177309.794       19.770
** DESCRSRC Track Segment
   LOCATION STN23        AREAPOLY   638707.022  4177532.277       18.810
** DESCRSRC Tracy Station
   LOCATION STN24        AREAPOLY   638707.022  4177532.277       18.810
** DESCRSRC Tracy Station
** Source Parameters **
   SRCPARAM TRACK22      5.2461E-08     3.000        33     0.700
   AREAVERT TRACK22      638522.103 4177309.794 638343.901 4177221.399
   AREAVERT TRACK22      638056.738 4177083.691 637703.350 4176902.854
   AREAVERT TRACK22      637321.818 4176712.694 636866.053 4176483.885
   AREAVERT TRACK22      636327.379 4176212.231 636323.054 4176252.436
   AREAVERT TRACK22      637151.119 4176671.325 637431.890 4176808.993
   AREAVERT TRACK22      637877.830 4177034.843 637948.893 4177069.885
   AREAVERT TRACK22      637948.207 4177112.612 638289.058 4177285.531
   AREAVERT TRACK22      638352.729 4177317.618 638409.552 4177295.332
   AREAVERT TRACK22      638496.675 4177338.005 638623.016 4177402.510
   AREAVERT TRACK22      638746.092 4177464.261 638904.557 4177541.844
   AREAVERT TRACK22      638991.989 4177583.390 639106.217 4177637.877
   AREAVERT TRACK22      639183.334 4177677.215 639308.090 4177739.591
   AREAVERT TRACK22      639390.702 4177781.567 639455.628 4177816.509
   AREAVERT TRACK22      639495.758 4177850.609 639516.384 4177883.608
```

```
   AREAVERT TRACK22      639514.901 4177810.898 639304.156 4177704.800
   AREAVERT TRACK22      639064.632 4177580.774 638931.713 4177509.892
   AREAVERT TRACK22      638712.912 4177401.804
   SRCPARAM TRACK23      5.1906E-08     3.000        33     0.700
   AREAVERT TRACK23      638522.103 4177309.794 638343.901 4177221.399
   AREAVERT TRACK23      638056.738 4177083.691 637703.350 4176902.854
   AREAVERT TRACK23      637321.818 4176712.694 636866.053 4176483.885
   AREAVERT TRACK23      636327.379 4176212.231 636323.054 4176252.436
   AREAVERT TRACK23      637151.119 4176671.325 637431.890 4176808.993
   AREAVERT TRACK23      637877.830 4177034.843 637948.893 4177069.885
   AREAVERT TRACK23      637948.207 4177112.612 638289.058 4177285.531
   AREAVERT TRACK23      638352.729 4177317.618 638409.552 4177295.332
   AREAVERT TRACK23      638496.675 4177338.005 638623.016 4177402.510
   AREAVERT TRACK23      638746.092 4177464.261 638904.557 4177541.844
   AREAVERT TRACK23      638991.989 4177583.390 639106.217 4177637.877
   AREAVERT TRACK23      639183.334 4177677.215 639308.090 4177739.591
   AREAVERT TRACK23      639390.702 4177781.567 639455.628 4177816.509
   AREAVERT TRACK23      639495.758 4177850.609 639516.384 4177883.608
   AREAVERT TRACK23      639514.901 4177810.898 639304.156 4177704.800
   AREAVERT TRACK23      639064.632 4177580.774 638931.713 4177509.892
   AREAVERT TRACK23      638712.912 4177401.804
   SRCPARAM TRACK24      4.1389E-11     3.000        33     0.700
   AREAVERT TRACK24      638522.103 4177309.794 638343.901 4177221.399
   AREAVERT TRACK24      638056.738 4177083.691 637703.350 4176902.854
   AREAVERT TRACK24      637321.818 4176712.694 636866.053 4176483.885
   AREAVERT TRACK24      636327.379 4176212.231 636323.054 4176252.436
   AREAVERT TRACK24      637151.119 4176671.325 637431.890 4176808.993
   AREAVERT TRACK24      637877.830 4177034.843 637948.893 4177069.885
   AREAVERT TRACK24      637948.207 4177112.612 638289.058 4177285.531
   AREAVERT TRACK24      638352.729 4177317.618 638409.552 4177295.332
   AREAVERT TRACK24      638496.675 4177338.005 638623.016 4177402.510
   AREAVERT TRACK24      638746.092 4177464.261 638904.557 4177541.844
   AREAVERT TRACK24      638991.989 4177583.390 639106.217 4177637.877
   AREAVERT TRACK24      639183.334 4177677.215 639308.090 4177739.591
   AREAVERT TRACK24      639390.702 4177781.567 639455.628 4177816.509
   AREAVERT TRACK24      639495.758 4177850.609 639516.384 4177883.608
   AREAVERT TRACK24      639514.901 4177810.898 639304.156 4177704.800
   AREAVERT TRACK24      639064.632 4177580.774 638931.713 4177509.892
   AREAVERT TRACK24      638712.912 4177401.804
   SRCPARAM STN23        1.1404E-08     3.000         9     0.700
   AREAVERT STN23        638707.022 4177532.277 638710.840 4177448.346
   AREAVERT STN23        638438.197 4177485.889 638454.101 4177593.330
   AREAVERT STN23        638479.309 4177575.127 638510.496 4177557.351
   AREAVERT STN23        638544.259 4177546.790 638587.863 4177538.507
   AREAVERT STN23        638638.477 4177531.877
   SRCPARAM STN24        2.4943E-09     3.000         9     0.700
   AREAVERT STN24        638707.022 4177532.277 638710.840 4177448.346
   AREAVERT STN24        638438.197 4177485.889 638454.101 4177593.330
   AREAVERT STN24        638479.309 4177575.127 638510.496 4177557.351
   AREAVERT STN24        638544.259 4177546.790 638587.863 4177538.507
   AREAVERT STN24        638638.477 4177531.877
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Seven Days (HRDOW7)"
** Variable Emission Scenario: "Construction"
   EMISFACT TRACK22      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK22      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK22      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK22      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK22      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK22      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK22      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK22      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
```

```
EMISFACT TRACK22      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT TRACK22      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT TRACK22      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT TRACK22      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT TRACK22      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT TRACK22      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT TRACK22      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT TRACK22      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT TRACK22      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT TRACK22      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT TRACK22      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT TRACK22      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT TRACK22      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT TRACK23      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT TRACK23      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT TRACK23      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT TRACK23      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT TRACK23      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT TRACK23      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT TRACK23      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT TRACK23      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT TRACK23      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT TRACK23      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT TRACK23      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT TRACK23      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT TRACK23      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT TRACK23      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT TRACK23      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT TRACK23      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT TRACK23      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT TRACK23      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT TRACK23      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT TRACK23      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT TRACK23      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT TRACK24      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT TRACK24      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT TRACK24      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT TRACK24      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT TRACK24      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT TRACK24      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT TRACK24      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT TRACK24      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT TRACK24      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT TRACK24      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT TRACK24      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT TRACK24      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT TRACK24      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT TRACK24      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT TRACK24      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT STN23        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT STN23        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT STN23        HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT STN23        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT STN23        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT STN23        HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT STN23        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT STN23        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT STN23        HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STN23        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STN23        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STN23        HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STN23        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STN23        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STN23        HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STN23        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STN23        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STN23        HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STN23        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STN23        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STN23        HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STN24        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STN24        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STN24        HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STN24        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STN24        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STN24        HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STN24        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STN24        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STN24        HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STN24        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STN24        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STN24        HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STN24        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STN24        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STN24        HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STN24        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STN24        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STN24        HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP 0-2      TRACK22 TRACK23 STN23
   SRCGROUP 2-9      TRACK24 STN24
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "Tracy HRA_M.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE "C:\Users\19098\Desktop\Local Emissions Analysis\Tracy_2004-2008.SFC"
   PROFFILE "C:\Users\19098\Desktop\Local Emissions Analysis\Tracy_2004-2008.PFL"
   SURFDATA 99008 2004
   UAIRDATA 66666 2004
   PROFBASE 158.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
```

```
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE ANNUAL 0-2 "TRACY HRA_M.AD\AN00G001.PLT" 31
   PLOTFILE ANNUAL 2-9 "TRACY HRA_M.AD\AN00G002.PLT" 32
   SUMMFILE "Tracy HRA_M.sum"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W187     248       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

 **********************************
 *** SETUP Finishes Successfully ***
 **********************************
```

```
 *** AERMOD - VERSION  19191 ***   *** Valley Link HRA Tracy
***        07/22/20
 *** AERMET - VERSION  18081 ***   *** Tier 4 Mitigation Construction
***        02:29:31

PAGE   1
 *** MODELOPTs:    NonDFAULT  CONC  ELEV  FLGPOL  FASTAREA  URBAN  ADJ_U*

                                            ***     MODEL SETUP OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for     5 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =     91812.0 ;  Urban Roughness Length =  1.000 m

 **Model Allows User-Specified Options:
         1. Stack-tip Downwash.
         2. Model Accounts for ELEVated Terrain Effects.
         3. Use Calms Processing Routine.
         4. Use Missing Data Processing Routine.
         5. No Exponential Decay.
         6. Urban Roughness Length of 1.0 Meter Used.

 **Other Options Specified:
         FASTAREA - Use hybrid approach to optimize AREA sources;
                    also applies to LINE sources (formerly TOXICS option)
         ADJ_U*   - Use ADJ_U* option for SBL in AERMET
         CCVR_Sub - Meteorological data includes CCVR substitutions
         TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Accepts FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  DPM

 **Model Calculates ANNUAL Averages Only

 **This Run Includes:      5 Source(s);       2 Source Group(s); and    1281 Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:      0 VOLUME source(s)
                 and:      5 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with      0 line(s)


 **Model Will NOT Run After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  18081

 **Output Options Selected:
          Model Outputs Tables of ANNUAL Averages by Receptor
```

Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 158.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.7 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: Tracy HRA_M.err
**File for Summary of Results: Tracy HRA_M.sum

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	SZ INIT. (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
TRACK22	0	0.52461E-07	638522.1	4177309.8	19.8	3.00	33	0.70	YES	HRDOW7
TRACK23	0	0.51906E-07	638522.1	4177309.8	19.8	3.00	33	0.70	YES	HRDOW7
TRACK24	0	0.41389E-10	638522.1	4177309.8	19.8	3.00	33	0.70	YES	HRDOW7
STN23	0	0.11404E-07	638707.0	4177532.3	18.8	3.00	9	0.70	YES	HRDOW7
STN24	0	0.24943E-08	638707.0	4177532.3	18.8	3.00	9	0.70	YES	HRDOW7

 *** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
0-2	TRACK22 , TRACK23 , STN23 ,
2-9	TRACK24 , STN24 ,

 *** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	91812.	TRACK22 , TRACK23 , TRACK24 , STN23 , STN24 ,

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = TRACK22 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = MONDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = TUESDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = WEDNESDY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = THURSDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = FRIDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01

17 .1000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = TRACK23 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = MONDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = TUESDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = WEDNESDY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = THURSDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = FRIDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01

17 .1000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = TRACK24 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = MONDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = TUESDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = WEDNESDY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = THURSDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = FRIDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01										

17 .1000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

 *** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

 SOURCE ID = STN23   ; SOURCE TYPE = AREAPOLY :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

DAY OF WEEK = MONDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = TUESDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = WEDNESDY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = THURSDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = FRIDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01

17 .1000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = STN24 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = MONDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = TUESDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = WEDNESDY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = THURSDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = FRIDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01

17 .1000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638662.0, 4177429.8, 19.0, 19.0, 1.2); (638639.3, 4177433.0, 18.9, 18.9, 1.2);
(638616.6, 4177436.1, 18.7, 18.7, 1.2); (638593.8, 4177439.2, 18.4, 18.4, 1.2);
(638571.1, 4177442.3, 18.5, 18.5, 1.2); (638548.4, 4177445.5, 18.2, 18.2, 1.2);
(638525.7, 4177448.6, 18.5, 18.5, 1.2); (638503.0, 4177451.7, 18.5, 18.5, 1.2);
(638480.2, 4177454.9, 18.5, 18.5, 1.2); (638457.5, 4177458.0, 18.8, 18.8, 1.2);
(638434.8, 4177461.1, 19.0, 19.0, 1.2); (638724.3, 4177405.1, 19.2, 19.2, 1.2);
(638613.1, 4177411.3, 18.8, 18.8, 1.2); (638590.4, 4177414.5, 18.6, 18.6, 1.2);
(638567.7, 4177417.6, 18.7, 18.7, 1.2); (638545.0, 4177420.7, 18.5, 18.5, 1.2);
(638522.3, 4177423.8, 18.6, 18.6, 1.2); (638499.5, 4177427.0, 18.5, 18.5, 1.2);
(638476.8, 4177430.1, 18.7, 18.7, 1.2); (638454.1, 4177433.2, 18.8, 18.8, 1.2);
(638431.4, 4177436.4, 18.9, 18.9, 1.2); (638720.9, 4177380.3, 19.1, 19.1, 1.2);
(638769.5, 4177412.5, 19.2, 19.2, 1.2); (638677.9, 4177377.2, 19.2, 19.2, 1.2);
(638587.0, 4177389.7, 19.0, 19.0, 1.2); (638564.3, 4177392.8, 18.9, 18.9, 1.2);
(638541.6, 4177395.9, 18.9, 18.9, 1.2); (638518.9, 4177399.1, 18.8, 18.8, 1.2);
(638496.1, 4177402.2, 18.7, 18.7, 1.2); (638473.4, 4177405.3, 18.9, 18.9, 1.2);
(638450.7, 4177408.5, 19.0, 19.0, 1.2); (638428.0, 4177411.6, 19.2, 19.2, 1.2);
(638717.5, 4177355.6, 19.2, 19.2, 1.2); (638758.0, 4177368.2, 19.2, 19.2, 1.2);
(638786.4, 4177394.1, 19.2, 19.2, 1.2); (638802.6, 4177433.3, 19.1, 19.1, 1.2);
(638674.5, 4177352.4, 19.3, 19.3, 1.2); (638651.8, 4177355.5, 19.2, 19.2, 1.2);
(638629.0, 4177358.7, 19.3, 19.3, 1.2); (638538.2, 4177371.2, 19.1, 19.1, 1.2);
(638515.4, 4177374.3, 19.0, 19.0, 1.2); (638492.7, 4177377.4, 19.0, 19.0, 1.2);
(638470.0, 4177380.6, 19.2, 19.2, 1.2); (638447.3, 4177383.7, 19.2, 19.2, 1.2);
(638424.6, 4177386.8, 19.3, 19.3, 1.2); (638413.5, 4177489.5, 19.2, 19.2, 1.2);
(638419.8, 4177532.5, 18.7, 18.7, 1.2); (638426.2, 4177575.5, 18.4, 18.4, 1.2);
(638393.5, 4177474.5, 19.5, 19.5, 1.2); (638391.9, 4177514.7, 19.1, 19.1, 1.2);
(638398.3, 4177557.7, 18.6, 18.6, 1.2); (638404.6,

```
4177600.6,      18.6,      18.6,       1.2);
     ( 638368.7, 4177478.2,      19.6,      19.6,       1.2);         ( 638394.8,
4177431.1,      19.2,      19.2,       1.2);
     ( 638367.2, 4177518.4,      19.2,      19.2,       1.2);         ( 638373.6,
4177561.3,      18.6,      18.6,       1.2);
     ( 638379.9, 4177604.3,      18.5,      18.5,       1.2);         ( 638344.0,
4177481.9,      19.4,      19.4,       1.2);
     ( 638353.5, 4177444.5,      19.3,      19.3,       1.2);         ( 638374.8,
4177416.1,      19.3,      19.3,       1.2);
     ( 638342.5, 4177522.0,      19.2,      19.2,       1.2);         ( 638348.8,
4177565.0,      18.6,      18.6,       1.2);
     ( 638355.2, 4177608.0,      18.2,      18.2,       1.2);         ( 638456.6,
4177615.0,      18.7,      18.7,       1.2);
     ( 638481.3, 4177604.5,      18.7,      18.7,       1.2);         ( 638471.2,
4177635.2,      18.5,      18.5,       1.2);
     ( 638446.8, 4177638.0,      18.7,      18.7,       1.2);         ( 638419.7,
4177620.0,      18.6,      18.6,       1.2);
     ( 638496.0, 4177624.8,      18.6,      18.6,       1.2);         ( 638483.4,
4177655.8,      18.4,      18.4,       1.2);
     ( 638439.6, 4177660.8,      18.4,      18.4,       1.2);         ( 638415.9,
4177650.8,      18.5,      18.5,       1.2);
     ( 638397.9, 4177627.6,      18.4,      18.4,       1.2);         ( 638510.6,
4177645.0,      18.4,      18.4,       1.2);
     ( 638498.7, 4177676.0,      18.3,      18.3,       1.2);         ( 638470.9,
4177679.1,      18.3,      18.3,       1.2);
     ( 638429.2, 4177683.9,      18.2,      18.2,       1.2);         ( 638406.7,
4177674.4,      18.3,      18.3,       1.2);
     ( 638389.5, 4177652.2,      18.3,      18.3,       1.2);         ( 638372.3,
4177630.1,      18.2,      18.2,       1.2);
     ( 638525.2, 4177665.3,      18.1,      18.1,       1.2);         ( 638507.3,
4177588.0,      18.6,      18.6,       1.2);
     ( 638519.7, 4177609.7,      18.4,      18.4,       1.2);         ( 638532.0,
4177631.4,      18.1,      18.1,       1.2);
     ( 638544.4, 4177653.1,      17.9,      17.9,       1.2);         ( 638534.8,
4177575.9,      18.4,      18.4,       1.2);
     ( 638542.3, 4177599.8,      18.2,      18.2,       1.2);         ( 638566.7,
4177618.4,      17.9,      17.9,       1.2);
     ( 638574.1, 4177642.2,      17.8,      17.8,       1.2);         ( 638570.7,
4177567.2,      18.3,      18.3,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638575.4, 4177591.8, 18.2, 18.2, 1.2); (638601.9, 4177612.2, 17.9, 17.9, 1.2);
(638606.5, 4177636.8, 17.7, 17.7, 1.2); (638608.0, 4177561.1, 18.5, 18.5, 1.2);
(638641.7, 4177556.7, 18.5, 18.5, 1.2); (638611.2, 4177585.9, 18.2, 18.2, 1.2);
(638645.0, 4177581.4, 18.5, 18.5, 1.2); (638631.4, 4177608.4, 18.0, 18.0, 1.2);
(638634.6, 4177633.2, 17.8, 17.8, 1.2); (638684.0, 4177557.1, 18.6, 18.6, 1.2);
(638706.9, 4177557.3, 18.8, 18.8, 1.2); (638683.9, 4177582.1, 18.4, 18.4, 1.2);
(638706.7, 4177582.3, 18.4, 18.4, 1.2); (638660.9, 4177607.0, 18.1, 18.1, 1.2);
(638683.7, 4177607.1, 18.2, 18.2, 1.2); (638706.6, 4177607.3, 18.0, 18.0, 1.2);
(638660.7, 4177632.0, 17.9, 17.9, 1.2); (638683.6, 4177632.1, 17.9, 17.9, 1.2);
(638706.4, 4177632.3, 17.8, 17.8, 1.2); (638732.0, 4177533.4, 18.7, 18.7, 1.2);
(638733.9, 4177491.4, 19.0, 19.0, 1.2); (638749.2, 4177551.5, 18.6, 18.6, 1.2);
(638757.9, 4177513.6, 19.1, 19.1, 1.2); (638759.8, 4177471.6, 18.8, 18.8, 1.2);
(638774.2, 4177552.7, 18.5, 18.5, 1.2); (638741.3, 4177593.5, 18.4, 18.4, 1.2);
(638782.9, 4177514.7, 19.0, 19.0, 1.2); (638799.2, 4177553.8, 18.4, 18.4, 1.2);
(638783.7, 4177587.8, 18.3, 18.3, 1.2); (638758.5, 4177611.6, 18.2, 18.2, 1.2);
(638807.9, 4177515.8, 18.7, 18.7, 1.2); (638354.7, 4177198.9, 20.5, 20.5, 1.2);
(638332.6, 4177188.3, 20.4, 20.4, 1.2); (638310.5, 4177177.7, 20.6, 20.6, 1.2);
(638288.4, 4177167.1, 20.5, 20.5, 1.2); (638266.4, 4177156.5, 20.8, 20.8, 1.2);
(638244.3, 4177145.9, 20.7, 20.7, 1.2); (638222.2, 4177135.3, 20.6, 20.6, 1.2);
(638200.1, 4177124.7, 21.0, 21.0, 1.2); (638178.0, 4177114.1, 20.9, 20.9, 1.2);
(638155.9, 4177103.5, 21.1, 21.1, 1.2); (638133.8, 4177092.9, 21.0, 21.0, 1.2);
(638111.7, 4177082.3, 21.1, 21.1, 1.2); (638089.6, 4177071.7, 21.0, 21.0, 1.2);
(638067.6, 4177061.1, 21.1, 21.1, 1.2); (638365.5, 4177176.3, 20.4, 20.4, 1.2);
(638343.4, 4177165.7, 20.5, 20.5, 1.2); (638321.3, 4177155.1, 20.5, 20.5, 1.2);
(638299.2, 4177144.5, 20.6, 20.6, 1.2); (638277.2, 4177133.9, 20.9, 20.9, 1.2);
(638255.1, 4177123.3, 20.9, 20.9, 1.2); (638233.0,

```
4177112.8,      21.0,      21.0,       1.2);
     ( 638210.9, 4177102.2,      21.3,      21.3,      1.2);         ( 638188.8,
4177091.6,      21.2,      21.2,       1.2);
     ( 638166.7, 4177081.0,      21.2,      21.2,      1.2);         ( 638144.6,
4177070.4,      21.3,      21.3,       1.2);
     ( 638122.5, 4177059.8,      21.3,      21.3,      1.2);         ( 638100.5,
4177049.2,      21.1,      21.1,       1.2);
     ( 638078.4, 4177038.6,      21.2,      21.2,      1.2);         ( 638376.3,
4177153.8,      20.4,      20.4,       1.2);
     ( 638354.2, 4177143.2,      20.6,      20.6,      1.2);         ( 638332.2,
4177132.6,      20.5,      20.5,       1.2);
     ( 638310.1, 4177122.0,      20.9,      20.9,      1.2);         ( 638288.0,
4177111.4,      20.9,      20.9,       1.2);
     ( 638265.9, 4177100.8,      21.0,      21.0,      1.2);         ( 638243.8,
4177090.2,      21.1,      21.1,       1.2);
     ( 638221.7, 4177079.6,      21.2,      21.2,      1.2);         ( 638199.6,
4177069.0,      21.5,      21.5,       1.2);
     ( 638177.5, 4177058.4,      21.5,      21.5,      1.2);         ( 638155.4,
4177047.8,      21.6,      21.6,       1.2);
     ( 638133.4, 4177037.2,      21.3,      21.3,      1.2);         ( 638111.3,
4177026.7,      21.4,      21.4,       1.2);
     ( 638089.2, 4177016.1,      21.4,      21.4,      1.2);         ( 638387.1,
4177131.2,      20.3,      20.3,       1.2);
     ( 638365.1, 4177120.6,      20.4,      20.4,      1.2);         ( 638343.0,
4177110.0,      20.5,      20.5,       1.2);
     ( 638320.9, 4177099.4,      20.8,      20.8,      1.2);         ( 638298.8,
4177088.9,      20.9,      20.9,       1.2);
     ( 638276.7, 4177078.3,      20.8,      20.8,      1.2);         ( 638254.6,
4177067.7,      20.9,      20.9,       1.2);
     ( 638232.5, 4177057.1,      21.2,      21.2,      1.2);         ( 638210.4,
4177046.5,      21.5,      21.5,       1.2);
     ( 638188.3, 4177035.9,      21.6,      21.6,      1.2);         ( 638166.2,
4177025.3,      21.6,      21.6,       1.2);
     ( 638144.2, 4177014.7,      21.8,      21.8,      1.2);         ( 638122.1,
4177004.1,      21.6,      21.6,       1.2);
     ( 638100.0, 4176993.5,      21.4,      21.4,      1.2);         ( 638046.0,
4177050.1,      21.3,      21.3,       1.2);
     ( 638024.0, 4177038.8,      21.1,      21.1,      1.2);         ( 638001.9,
4177027.5,      21.4,      21.4,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637979.8, 4177016.2, 21.5, 21.5, 1.2); (637957.7, 4177004.9, 21.6, 21.6, 1.2);
(637935.6, 4176993.6, 21.6, 21.6, 1.2); (637913.5, 4176982.3, 21.2, 21.2, 1.2);
(637891.4, 4176971.0, 21.2, 21.2, 1.2); (637869.4, 4176959.7, 21.2, 21.2, 1.2);
(637847.3, 4176948.4, 21.1, 21.1, 1.2); (637825.2, 4176937.1, 20.7, 20.7, 1.2);
(637803.1, 4176925.8, 20.7, 20.7, 1.2); (637781.0, 4176914.5, 20.7, 20.7, 1.2);
(637758.9, 4176903.2, 20.6, 20.6, 1.2); (637736.8, 4176891.9, 20.6, 20.6, 1.2);
(637714.7, 4176880.6, 20.8, 20.8, 1.2); (638057.4, 4177027.9, 21.4, 21.4, 1.2);
(638035.3, 4177016.6, 21.1, 21.1, 1.2); (638013.2, 4177005.3, 21.5, 21.5, 1.2);
(637991.2, 4176994.0, 21.1, 21.1, 1.2); (637969.1, 4176982.7, 21.5, 21.5, 1.2);
(637947.0, 4176971.4, 21.4, 21.4, 1.2); (637924.9, 4176960.1, 21.2, 21.2, 1.2);
(637902.8, 4176948.8, 21.5, 21.5, 1.2); (637880.7, 4176937.5, 21.8, 21.8, 1.2);
(637858.7, 4176926.2, 21.7, 21.7, 1.2); (637836.6, 4176914.8, 21.7, 21.7, 1.2);
(637814.5, 4176903.5, 21.6, 21.6, 1.2); (637792.4, 4176892.2, 21.6, 21.6, 1.2);
(637770.3, 4176880.9, 21.6, 21.6, 1.2); (637748.2, 4176869.6, 21.6, 21.6, 1.2);
(637726.1, 4176858.3, 21.6, 21.6, 1.2); (638068.8, 4177005.6, 21.4, 21.4, 1.2);
(638046.7, 4176994.3, 21.7, 21.7, 1.2); (638024.6, 4176983.0, 21.3, 21.3, 1.2);
(638002.6, 4176971.7, 21.3, 21.3, 1.2); (637980.5, 4176960.4, 21.5, 21.5, 1.2);
(637958.4, 4176949.1, 21.6, 21.6, 1.2); (637936.3, 4176937.8, 21.0, 21.0, 1.2);
(637914.2, 4176926.5, 21.1, 21.1, 1.2); (637892.1, 4176915.2, 22.0, 22.0, 1.2);
(637870.0, 4176903.9, 21.9, 21.9, 1.2); (637848.0, 4176892.6, 21.7, 21.7, 1.2);
(637825.9, 4176881.3, 21.6, 21.6, 1.2); (637803.8, 4176870.0, 21.5, 21.5, 1.2);
(637781.7, 4176858.7, 21.5, 21.5, 1.2); (637759.6, 4176847.4, 21.4, 21.4, 1.2);
(637737.5, 4176836.1, 21.4, 21.4, 1.2); (638058.1, 4176972.1, 21.7, 21.7, 1.2);
(638036.0, 4176960.8, 21.4, 21.4, 1.2); (638014.0, 4176949.5, 21.6, 21.6, 1.2);
(637991.9, 4176938.2, 21.3, 21.3, 1.2); (637969.8, 4176926.9, 21.7, 21.7, 1.2);
(637947.7, 4176915.5, 21.2, 21.2, 1.2); (637925.6,

```
4176904.2,      20.9,      20.9,       1.2);
     ( 637903.5, 4176892.9,      21.5,      21.5,      1.2);         ( 637881.4,
4176881.6,      21.6,      21.6,       1.2);
     ( 637859.3, 4176870.3,      21.6,      21.6,      1.2);         ( 637837.2,
4176859.0,      21.6,      21.6,       1.2);
     ( 637815.2, 4176847.7,      21.6,      21.6,      1.2);         ( 637793.1,
4176836.4,      21.6,      21.6,       1.2);
     ( 637771.0, 4176825.1,      21.5,      21.5,      1.2);         ( 637748.9,
4176813.8,      21.3,      21.3,       1.2);
     ( 637693.3, 4176869.9,      20.9,      20.9,      1.2);         ( 637672.1,
4176859.3,      21.0,      21.0,       1.2);
     ( 637650.9, 4176848.8,      21.0,      21.0,      1.2);         ( 637629.7,
4176838.2,      21.0,      21.0,       1.2);
     ( 637608.5, 4176827.7,      21.1,      21.1,      1.2);         ( 637587.3,
4176817.1,      21.2,      21.2,       1.2);
     ( 637566.1, 4176806.5,      21.2,      21.2,      1.2);         ( 637544.9,
4176796.0,      21.3,      21.3,       1.2);
     ( 637523.7, 4176785.4,      21.3,      21.3,      1.2);         ( 637502.5,
4176774.8,      21.3,      21.3,       1.2);
     ( 637481.3, 4176764.3,      21.5,      21.5,      1.2);         ( 637460.2,
4176753.7,      21.6,      21.6,       1.2);
     ( 637439.0, 4176743.1,      21.6,      21.6,      1.2);         ( 637417.8,
4176732.6,      21.7,      21.7,       1.2);
     ( 637396.6, 4176722.0,      21.6,      21.6,      1.2);         ( 637375.4,
4176711.4,      21.5,      21.5,       1.2);
     ( 637354.2, 4176700.9,      21.2,      21.2,      1.2);         ( 637333.0,
4176690.3,      21.1,      21.1,       1.2);
     ( 637704.5, 4176847.5,      21.6,      21.6,      1.2);         ( 637683.3,
4176837.0,      21.6,      21.6,       1.2);
     ( 637662.1, 4176826.4,      21.7,      21.7,      1.2);         ( 637640.9,
4176815.8,      21.8,      21.8,       1.2);
     ( 637619.7, 4176805.3,      21.7,      21.7,      1.2);         ( 637598.5,
4176794.7,      21.7,      21.7,       1.2);
     ( 637577.3, 4176784.1,      21.8,      21.8,      1.2);         ( 637556.1,
4176773.6,      21.9,      21.9,       1.2);
     ( 637534.9, 4176763.0,      21.8,      21.8,      1.2);         ( 637513.7,
4176752.5,      21.8,      21.8,       1.2);
     ( 637492.5, 4176741.9,      21.8,      21.8,      1.2);         ( 637471.3,
4176731.3,      21.7,      21.7,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637450.1, 4176720.8, 21.7, 21.7, 1.2); (637428.9, 4176710.2, 21.7, 21.7, 1.2);
(637407.7, 4176699.6, 21.6, 21.6, 1.2); (637386.5, 4176689.1, 21.5, 21.5, 1.2);
(637365.3, 4176678.5, 21.4, 21.4, 1.2); (637344.1, 4176667.9, 21.4, 21.4, 1.2);
(637715.6, 4176825.2, 21.4, 21.4, 1.2); (637694.4, 4176814.6, 21.3, 21.3, 1.2);
(637673.2, 4176804.0, 21.7, 21.7, 1.2); (637652.0, 4176793.5, 21.8, 21.8, 1.2);
(637630.8, 4176782.9, 21.5, 21.5, 1.2); (637609.6, 4176772.3, 21.3, 21.3, 1.2);
(637588.4, 4176761.8, 21.4, 21.4, 1.2); (637567.2, 4176751.2, 21.5, 21.5, 1.2);
(637546.0, 4176740.6, 21.4, 21.4, 1.2); (637524.8, 4176730.1, 21.4, 21.4, 1.2);
(637503.7, 4176719.5, 21.3, 21.3, 1.2); (637482.5, 4176709.0, 21.3, 21.3, 1.2);
(637461.2, 4176698.4, 21.3, 21.3, 1.2); (637440.1, 4176687.8, 21.4, 21.4, 1.2);
(637418.9, 4176677.3, 21.4, 21.4, 1.2); (637397.7, 4176666.7, 21.3, 21.3, 1.2);
(637376.5, 4176656.1, 21.2, 21.2, 1.2); (637355.3, 4176645.6, 21.2, 21.2, 1.2);
(637726.8, 4176802.8, 21.4, 21.4, 1.2); (637705.6, 4176792.2, 21.2, 21.2, 1.2);
(637684.4, 4176781.7, 21.6, 21.6, 1.2); (637663.2, 4176771.1, 21.8, 21.8, 1.2);
(637642.0, 4176760.5, 21.1, 21.1, 1.2); (637620.8, 4176750.0, 21.3, 21.3, 1.2);
(637599.6, 4176739.4, 21.4, 21.4, 1.2); (637578.4, 4176728.8, 21.5, 21.5, 1.2);
(637557.2, 4176718.3, 21.5, 21.5, 1.2); (637536.0, 4176707.7, 21.4, 21.4, 1.2);
(637514.8, 4176697.1, 21.3, 21.3, 1.2); (637493.6, 4176686.6, 20.9, 20.9, 1.2);
(637472.4, 4176676.0, 21.3, 21.3, 1.2); (637451.2, 4176665.4, 21.5, 21.5, 1.2);
(637430.0, 4176654.9, 21.3, 21.3, 1.2); (637408.8, 4176644.3, 21.3, 21.3, 1.2);
(637387.6, 4176633.8, 21.3, 21.3, 1.2); (637366.4, 4176623.2, 21.3, 21.3, 1.2);
(637311.3, 4176679.5, 21.1, 21.1, 1.2); (637289.6, 4176668.6, 21.1, 21.1, 1.2);
(637267.9, 4176657.7, 20.9, 20.9, 1.2); (637246.2, 4176646.8, 20.7, 20.7, 1.2);
(637224.5, 4176635.9, 20.8, 21.9, 1.2); (637202.8, 4176625.0, 22.1, 22.1, 1.2);
(637181.1, 4176614.1, 20.7, 20.7, 1.2); (637159.4, 4176603.2, 20.6, 20.6, 1.2);
(637137.7, 4176592.3, 20.7, 20.7, 1.2); (637116.0,

```
4176581.4,      20.6,      20.6,       1.2);
     ( 637094.3, 4176570.5,      20.4,      20.4,       1.2);         ( 637072.6,
4176559.6,      20.4,      20.4,       1.2);
     ( 637050.9, 4176548.7,      20.4,      20.4,       1.2);         ( 637029.2,
4176537.8,      20.4,      20.4,       1.2);
     ( 637007.5, 4176526.9,      20.5,      20.5,       1.2);         ( 636985.8,
4176516.0,      20.5,      20.5,       1.2);
     ( 636964.1, 4176505.1,      20.5,      20.5,       1.2);         ( 636942.4,
4176494.2,      20.5,      20.5,       1.2);
     ( 636920.7, 4176483.3,      20.5,      20.5,       1.2);         ( 636899.0,
4176472.4,      20.6,      20.6,       1.2);
     ( 636877.3, 4176461.5,      20.5,      20.5,       1.2);         ( 637322.6,
4176657.1,      21.4,      21.4,       1.2);
     ( 637300.8, 4176646.2,      21.4,      21.4,       1.2);         ( 637279.1,
4176635.3,      21.5,      21.5,       1.2);
     ( 637257.4, 4176624.4,      21.3,      21.5,       1.2);         ( 637235.7,
4176613.5,      21.1,      21.3,       1.2);
     ( 637214.0, 4176602.6,      21.7,      21.7,       1.2);         ( 637192.3,
4176591.7,      21.0,      21.0,       1.2);
     ( 637170.6, 4176580.8,      20.9,      20.9,       1.2);         ( 637148.9,
4176569.9,      20.9,      20.9,       1.2);
     ( 637127.2, 4176559.0,      20.6,      20.6,       1.2);         ( 637105.5,
4176548.2,      20.4,      20.4,       1.2);
     ( 637083.8, 4176537.3,      20.5,      20.5,       1.2);         ( 637062.1,
4176526.4,      20.6,      20.6,       1.2);
     ( 637040.4, 4176515.5,      20.8,      20.8,       1.2);         ( 637018.7,
4176504.6,      20.8,      20.8,       1.2);
     ( 636997.0, 4176493.7,      20.8,      20.8,       1.2);         ( 636975.3,
4176482.8,      20.8,      20.8,       1.2);
     ( 636953.6, 4176471.9,      20.9,      20.9,       1.2);         ( 636931.9,
4176461.0,      20.9,      20.9,       1.2);
     ( 636910.2, 4176450.1,      20.8,      20.8,       1.2);         ( 636888.5,
4176439.2,      20.8,      20.8,       1.2);
     ( 637333.8, 4176634.8,      21.3,      21.3,       1.2);         ( 637312.1,
4176623.9,      21.3,      21.3,       1.2);
     ( 637290.4, 4176613.0,      21.2,      21.2,       1.2);         ( 637268.7,
4176602.1,      20.6,      21.0,       1.2);
     ( 637247.0, 4176591.2,      20.9,      20.9,       1.2);         ( 637225.2,
4176580.3,      21.3,      21.3,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637203.6, 4176569.4, 21.6, 21.6, 1.2); (637181.8, 4176558.5, 21.2, 21.2, 1.2);
(637160.1, 4176547.6, 21.4, 21.4, 1.2); (637138.4, 4176536.7, 21.4, 21.4, 1.2);
(637116.7, 4176525.8, 20.6, 20.6, 1.2); (637095.0, 4176514.9, 20.7, 20.7, 1.2);
(637073.3, 4176504.0, 20.7, 20.7, 1.2); (637051.6, 4176493.1, 20.4, 20.4, 1.2);
(637029.9, 4176482.2, 20.6, 20.6, 1.2); (637008.2, 4176471.3, 20.7, 20.7, 1.2);
(636986.5, 4176460.4, 20.7, 20.7, 1.2); (636964.8, 4176449.5, 20.6, 20.6, 1.2);
(636943.1, 4176438.6, 20.6, 20.6, 1.2); (636921.4, 4176427.8, 20.7, 20.7, 1.2);
(636899.7, 4176416.9, 20.6, 20.6, 1.2); (637345.0, 4176612.4, 21.2, 21.2, 1.2);
(637323.3, 4176601.5, 21.2, 21.2, 1.2); (637301.6, 4176590.6, 21.3, 21.3, 1.2);
(637279.9, 4176579.7, 19.7, 21.3, 1.2); (637258.2, 4176568.8, 20.9, 20.9, 1.2);
(637236.5, 4176557.9, 21.4, 21.4, 1.2); (637214.8, 4176547.0, 21.4, 21.4, 1.2);
(637193.1, 4176536.2, 21.2, 21.2, 1.2); (637171.4, 4176525.3, 21.1, 21.1, 1.2);
(637149.7, 4176514.4, 21.5, 21.5, 1.2); (637128.0, 4176503.5, 20.8, 20.8, 1.2);
(637106.2, 4176492.6, 20.9, 20.9, 1.2); (637084.5, 4176481.7, 20.7, 20.7, 1.2);
(637062.8, 4176470.8, 20.6, 20.6, 1.2); (637041.1, 4176459.9, 20.7, 20.7, 1.2);
(637019.4, 4176449.0, 20.8, 20.8, 1.2); (636997.7, 4176438.1, 20.9, 20.9, 1.2);
(636976.0, 4176427.2, 20.7, 20.7, 1.2); (636954.3, 4176416.3, 20.8, 20.8, 1.2);
(636932.6, 4176405.4, 21.0, 21.0, 1.2); (636910.9, 4176394.5, 20.8, 20.8, 1.2);
(636855.8, 4176450.7, 20.5, 20.5, 1.2); (636834.2, 4176439.8, 20.5, 20.5, 1.2);
(636812.7, 4176429.0, 20.7, 20.7, 1.2); (636791.1, 4176418.1, 20.7, 20.7, 1.2);
(636769.6, 4176407.2, 20.7, 20.7, 1.2); (636748.0, 4176396.4, 20.5, 20.5, 1.2);
(636726.5, 4176385.5, 20.6, 20.6, 1.2); (636704.9, 4176374.6, 20.6, 20.6, 1.2);
(636683.4, 4176363.8, 20.6, 20.6, 1.2); (636661.8, 4176352.9, 20.6, 20.6, 1.2);
(636640.3, 4176342.0, 20.5, 20.5, 1.2); (636618.8, 4176331.2, 20.6, 20.6, 1.2);
(636597.2, 4176320.3, 20.6, 20.6, 1.2); (636575.7, 4176309.4, 20.7, 20.7, 1.2);
(636554.1, 4176298.6, 20.6, 20.6, 1.2); (636532.6,

```
4176287.7,      20.7,      20.7,       1.2);
     ( 636511.0, 4176276.8,      20.7,      20.7,      1.2);         ( 636489.5,
4176266.0,      20.7,      20.7,       1.2);
     ( 636467.9, 4176255.1,      20.7,      20.7,      1.2);         ( 636446.4,
4176244.2,      20.8,      20.8,       1.2);
     ( 636424.8, 4176233.4,      20.8,      20.8,      1.2);         ( 636403.3,
4176222.5,      20.8,      20.8,       1.2);
     ( 636381.7, 4176211.6,      20.9,      20.9,      1.2);         ( 636360.2,
4176200.8,      21.1,      21.1,       1.2);
     ( 636338.6, 4176189.9,      21.5,      21.5,      1.2);         ( 636867.0,
4176428.4,      20.8,      20.8,       1.2);
     ( 636845.5, 4176417.5,      20.9,      20.9,      1.2);         ( 636823.9,
4176406.6,      21.0,      21.0,       1.2);
     ( 636802.4, 4176395.8,      21.1,      21.1,      1.2);         ( 636780.8,
4176384.9,      21.2,      21.2,       1.2);
     ( 636759.3, 4176374.0,      20.9,      20.9,      1.2);         ( 636737.7,
4176363.2,      20.8,      20.8,       1.2);
     ( 636716.2, 4176352.3,      20.8,      20.8,      1.2);         ( 636694.6,
4176341.4,      20.7,      20.7,       1.2);
     ( 636673.1, 4176330.6,      20.7,      20.7,      1.2);         ( 636651.6,
4176319.7,      20.7,      20.7,       1.2);
     ( 636630.0, 4176308.8,      20.7,      20.7,      1.2);         ( 636608.5,
4176298.0,      20.8,      20.8,       1.2);
     ( 636586.9, 4176287.1,      20.9,      20.9,      1.2);         ( 636565.4,
4176276.2,      21.1,      21.1,       1.2);
     ( 636543.8, 4176265.4,      21.1,      21.1,      1.2);         ( 636522.3,
4176254.5,      21.1,      21.1,       1.2);
     ( 636500.7, 4176243.6,      21.2,      21.2,      1.2);         ( 636479.2,
4176232.8,      21.3,      21.3,       1.2);
     ( 636457.6, 4176221.9,      21.4,      21.4,      1.2);         ( 636436.1,
4176211.0,      21.6,      21.6,       1.2);
     ( 636414.5, 4176200.2,      21.9,      21.9,      1.2);         ( 636393.0,
4176189.3,      21.9,      21.9,       1.2);
     ( 636371.4, 4176178.4,      21.8,      21.8,      1.2);         ( 636349.9,
4176167.6,      21.5,      21.5,       1.2);
     ( 636878.3, 4176406.0,      20.6,      20.6,      1.2);         ( 636856.7,
4176395.2,      20.7,      20.7,       1.2);
     ( 636835.2, 4176384.3,      20.9,      20.9,      1.2);         ( 636813.6,
4176373.4,      20.9,      20.9,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(636792.1, 4176362.6, 21.2, 21.2, 1.2); (636770.5, 4176351.7, 21.0, 21.0, 1.2);
(636749.0, 4176340.9, 20.6, 20.6, 1.2); (636727.5, 4176330.0, 20.5, 20.5, 1.2);
(636705.9, 4176319.1, 20.5, 20.5, 1.2); (636684.4, 4176308.3, 20.5, 20.5, 1.2);
(636662.8, 4176297.4, 20.5, 20.5, 1.2); (636641.3, 4176286.5, 20.5, 20.5, 1.2);
(636619.7, 4176275.7, 20.6, 20.6, 1.2); (636598.2, 4176264.8, 20.7, 20.7, 1.2);
(636576.6, 4176253.9, 20.8, 20.8, 1.2); (636555.1, 4176243.1, 20.8, 20.8, 1.2);
(636533.5, 4176232.2, 20.9, 20.9, 1.2); (636512.0, 4176221.3, 21.0, 21.0, 1.2);
(636490.4, 4176210.5, 21.1, 21.1, 1.2); (636468.9, 4176199.6, 21.1, 21.1, 1.2);
(636447.3, 4176188.7, 21.6, 21.6, 1.2); (636425.8, 4176177.9, 22.0, 22.0, 1.2);
(636404.2, 4176167.0, 21.7, 21.7, 1.2); (636382.7, 4176156.1, 21.6, 21.6, 1.2);
(636361.2, 4176145.3, 21.9, 21.9, 1.2); (636889.5, 4176383.7, 20.7, 20.7, 1.2);
(636868.0, 4176372.9, 20.9, 20.9, 1.2); (636846.4, 4176362.0, 21.1, 21.1, 1.2);
(636824.9, 4176351.1, 20.9, 20.9, 1.2); (636803.4, 4176340.3, 21.2, 21.2, 1.2);
(636781.8, 4176329.4, 21.0, 21.0, 1.2); (636760.2, 4176318.5, 20.6, 20.6, 1.2);
(636738.7, 4176307.7, 20.6, 20.6, 1.2); (636717.2, 4176296.8, 20.8, 20.8, 1.2);
(636695.6, 4176285.9, 20.6, 20.6, 1.2); (636674.1, 4176275.1, 20.6, 20.6, 1.2);
(636652.5, 4176264.2, 20.8, 20.8, 1.2); (636631.0, 4176253.3, 21.0, 21.0, 1.2);
(636609.4, 4176242.5, 20.6, 20.6, 1.2); (636587.9, 4176231.6, 21.0, 21.0, 1.2);
(636566.3, 4176220.7, 21.0, 21.0, 1.2); (636544.8, 4176209.9, 21.0, 21.0, 1.2);
(636523.2, 4176199.0, 21.1, 21.1, 1.2); (636501.7, 4176188.1, 21.4, 21.4, 1.2);
(636480.1, 4176177.3, 21.0, 21.0, 1.2); (636458.6, 4176166.4, 21.5, 21.5, 1.2);
(636437.1, 4176155.5, 21.8, 21.8, 1.2); (636415.5, 4176144.7, 21.7, 21.7, 1.2);
(636394.0, 4176133.8, 21.4, 21.4, 1.2); (636372.4, 4176122.9, 22.0, 22.0, 1.2);
(636333.6, 4176285.8, 21.4, 21.4, 1.2); (636355.4, 4176296.8, 20.6, 20.6, 1.2);
(636377.1, 4176307.8, 20.3, 20.3, 1.2); (636398.9, 4176318.8, 20.2, 20.2, 1.2);
(636420.7, 4176329.9, 20.2, 20.2, 1.2); (636442.5,

```
4176340.9,      20.2,      20.2,       1.2);
     ( 636464.3, 4176351.9,      20.1,      20.1,      1.2);         ( 636486.1,
4176362.9,      20.2,      20.2,       1.2);
     ( 636507.9, 4176373.9,      20.2,      20.2,      1.2);         ( 636529.7,
4176385.0,      20.2,      20.2,       1.2);
     ( 636551.5, 4176396.0,      20.2,      20.2,      1.2);         ( 636573.3,
4176407.0,      20.1,      20.1,       1.2);
     ( 636595.1, 4176418.0,      20.1,      20.1,      1.2);         ( 636616.9,
4176429.1,      20.1,      20.1,       1.2);
     ( 636638.6, 4176440.1,      20.1,      20.1,      1.2);         ( 636660.4,
4176451.1,      20.2,      20.2,       1.2);
     ( 636682.2, 4176462.1,      20.0,      20.0,      1.2);         ( 636704.0,
4176473.2,      20.0,      20.0,       1.2);
     ( 636725.8, 4176484.2,      19.8,      19.8,      1.2);         ( 636747.6,
4176495.2,      19.8,      19.8,       1.2);
     ( 636769.4, 4176506.2,      20.0,      20.0,      1.2);         ( 636791.2,
4176517.3,      20.0,      20.0,       1.2);
     ( 636813.0, 4176528.3,      20.2,      20.2,      1.2);         ( 636834.8,
4176539.3,      20.3,      20.3,       1.2);
     ( 636856.6, 4176550.3,      20.2,      20.2,      1.2);         ( 636878.3,
4176561.3,      20.3,      20.3,       1.2);
     ( 636900.1, 4176572.4,      20.3,      20.3,      1.2);         ( 636921.9,
4176583.4,      20.3,      20.3,       1.2);
     ( 636943.7, 4176594.4,      20.3,      20.3,      1.2);         ( 636965.5,
4176605.4,      20.2,      20.2,       1.2);
     ( 636987.3, 4176616.5,      20.2,      20.2,      1.2);         ( 637009.1,
4176627.5,      20.4,      20.4,       1.2);
     ( 637030.9, 4176638.5,      20.5,      20.5,      1.2);         ( 637052.7,
4176649.5,      20.4,      20.4,       1.2);
     ( 637074.5, 4176660.6,      20.4,      20.4,      1.2);         ( 637096.2,
4176671.6,      20.4,      20.4,       1.2);
     ( 637118.0, 4176682.6,      20.6,      20.6,      1.2);         ( 637139.8,
4176693.6,      21.2,      21.2,       1.2);
     ( 636322.3, 4176308.1,      20.8,      20.8,      1.2);         ( 636344.1,
4176319.1,      20.6,      20.6,       1.2);
     ( 636365.9, 4176330.1,      20.1,      20.1,      1.2);         ( 636387.7,
4176341.1,      20.1,      20.1,       1.2);
     ( 636409.4, 4176352.2,      20.1,      20.1,      1.2);         ( 636431.2,
4176363.2,      19.9,      19.9,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(636453.0, 4176374.2, 19.9, 19.9, 1.2); (636474.8, 4176385.2, 19.9, 19.9, 1.2);
(636496.6, 4176396.3, 19.8, 19.8, 1.2); (636518.4, 4176407.3, 19.8, 19.8, 1.2);
(636540.2, 4176418.3, 19.8, 19.8, 1.2); (636562.0, 4176429.3, 19.9, 19.9, 1.2);
(636583.8, 4176440.4, 19.8, 19.8, 1.2); (636605.6, 4176451.4, 19.8, 19.8, 1.2);
(636627.4, 4176462.4, 19.9, 19.9, 1.2); (636649.1, 4176473.4, 19.8, 19.8, 1.2);
(636670.9, 4176484.4, 19.9, 19.9, 1.2); (636692.7, 4176495.5, 19.9, 19.9, 1.2);
(636714.5, 4176506.5, 19.8, 19.8, 1.2); (636736.3, 4176517.5, 19.8, 19.8, 1.2);
(636758.1, 4176528.5, 19.9, 19.9, 1.2); (636779.9, 4176539.6, 19.9, 19.9, 1.2);
(636801.7, 4176550.6, 20.0, 20.0, 1.2); (636823.5, 4176561.6, 20.1, 20.1, 1.2);
(636845.3, 4176572.6, 20.1, 20.1, 1.2); (636867.1, 4176583.7, 20.2, 20.2, 1.2);
(636888.9, 4176594.7, 20.1, 20.1, 1.2); (636910.6, 4176605.7, 20.1, 20.1, 1.2);
(636932.4, 4176616.7, 20.1, 20.1, 1.2); (636954.2, 4176627.8, 19.9, 19.9, 1.2);
(636976.0, 4176638.8, 19.9, 19.9, 1.2); (636997.8, 4176649.8, 19.8, 19.8, 1.2);
(637019.6, 4176660.8, 19.8, 19.8, 1.2); (637041.4, 4176671.8, 19.8, 19.8, 1.2);
(637063.2, 4176682.9, 20.1, 20.1, 1.2); (637085.0, 4176693.9, 19.6, 19.6, 1.2);
(637106.8, 4176704.9, 20.1, 20.1, 1.2); (637128.6, 4176715.9, 21.0, 21.0, 1.2);
(636311.0, 4176330.4, 20.6, 20.6, 1.2); (636332.8, 4176341.4, 20.7, 20.7, 1.2);
(636354.6, 4176352.4, 20.0, 20.0, 1.2); (636376.4, 4176363.4, 19.7, 19.7, 1.2);
(636398.2, 4176374.5, 19.6, 19.6, 1.2); (636420.0, 4176385.5, 19.5, 19.5, 1.2);
(636441.7, 4176396.5, 19.4, 19.4, 1.2); (636463.5, 4176407.5, 19.4, 19.4, 1.2);
(636485.3, 4176418.6, 19.3, 19.3, 1.2); (636507.1, 4176429.6, 19.2, 19.2, 1.2);
(636528.9, 4176440.6, 19.2, 19.2, 1.2); (636550.7, 4176451.6, 19.1, 19.1, 1.2);
(636572.5, 4176462.7, 19.0, 19.0, 1.2); (636594.3, 4176473.7, 19.4, 19.4, 1.2);
(636616.1, 4176484.7, 19.8, 19.8, 1.2); (636637.9, 4176495.7, 19.6, 19.6, 1.2);
(636659.7, 4176506.8, 19.4, 19.4, 1.2); (636681.4, 4176517.8, 19.9, 19.9, 1.2);
(636703.2, 4176528.8, 19.7, 19.7, 1.2); (636725.0,

```
4176539.8,      19.2,      19.2,       1.2);
     ( 636746.8, 4176550.8,      19.3,      19.3,       1.2);         ( 636768.6,
4176561.9,      19.4,      19.4,       1.2);
     ( 636790.4, 4176572.9,      19.4,      19.4,       1.2);         ( 636812.2,
4176583.9,      19.5,      19.5,       1.2);
     ( 636834.0, 4176594.9,      19.6,      19.6,       1.2);         ( 636855.8,
4176606.0,      19.7,      19.7,       1.2);
     ( 636877.6, 4176617.0,      19.6,      19.6,       1.2);         ( 636899.4,
4176628.0,      19.5,      19.5,       1.2);
     ( 636921.1, 4176639.0,      19.4,      19.4,       1.2);         ( 636942.9,
4176650.1,      19.4,      19.4,       1.2);
     ( 636964.7, 4176661.1,      19.3,      19.3,       1.2);         ( 636986.5,
4176672.1,      19.3,      19.3,       1.2);
     ( 637008.3, 4176683.1,      19.6,      19.6,       1.2);         ( 637030.1,
4176694.2,      19.9,      19.9,       1.2);
     ( 637051.9, 4176705.2,      19.9,      19.9,       1.2);         ( 637073.7,
4176716.2,      19.3,      19.3,       1.2);
     ( 637095.5, 4176727.2,      19.9,      19.9,       1.2);         ( 637117.3,
4176738.2,      20.4,      20.4,       1.2);
     ( 636299.7, 4176352.7,      20.2,      20.2,       1.2);         ( 636321.5,
4176363.7,      20.3,      20.3,       1.2);
     ( 636343.3, 4176374.7,      20.1,      20.1,       1.2);         ( 636365.1,
4176385.8,      19.9,      19.9,       1.2);
     ( 636386.9, 4176396.8,      19.8,      19.8,       1.2);         ( 636408.7,
4176407.8,      19.5,      19.5,       1.2);
     ( 636430.5, 4176418.8,      19.9,      19.9,       1.2);         ( 636452.2,
4176429.9,      19.9,      19.9,       1.2);
     ( 636474.0, 4176440.9,      19.8,      19.8,       1.2);         ( 636495.8,
4176451.9,      19.7,      19.7,       1.2);
     ( 636517.6, 4176462.9,      19.6,      19.6,       1.2);         ( 636539.4,
4176473.9,      19.6,      19.6,       1.2);
     ( 636561.2, 4176485.0,      19.2,      19.2,       1.2);         ( 636583.0,
4176496.0,      19.3,      19.3,       1.2);
     ( 636604.8, 4176507.0,      19.7,      19.7,       1.2);         ( 636626.6,
4176518.0,      19.6,      19.6,       1.2);
     ( 636648.4, 4176529.1,      19.4,      19.4,       1.2);         ( 636670.2,
4176540.1,      19.8,      19.8,       1.2);
     ( 636692.0, 4176551.1,      19.7,      19.7,       1.2);         ( 636713.7,
4176562.1,      19.1,      19.1,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(636735.5, 4176573.2, 19.8, 19.8, 1.2); (636757.3, 4176584.2, 20.0, 20.0, 1.2);
(636779.1, 4176595.2, 20.0, 20.0, 1.2); (636800.9, 4176606.2, 20.0, 20.0, 1.2);
(636822.7, 4176617.2, 20.1, 20.1, 1.2); (636844.5, 4176628.3, 20.1, 20.1, 1.2);
(636866.3, 4176639.3, 20.2, 20.2, 1.2); (636888.1, 4176650.3, 20.1, 20.1, 1.2);
(636909.9, 4176661.3, 20.0, 20.0, 1.2); (636931.7, 4176672.4, 19.9, 19.9, 1.2);
(636953.4, 4176683.4, 19.8, 19.8, 1.2); (636975.2, 4176694.4, 19.7, 19.7, 1.2);
(636997.0, 4176705.4, 19.3, 19.3, 1.2); (637018.8, 4176716.5, 19.1, 19.1, 1.2);
(637040.6, 4176727.5, 19.4, 19.4, 1.2); (637062.4, 4176738.5, 19.3, 19.3, 1.2);
(637084.2, 4176749.5, 19.7, 19.7, 1.2); (637106.0, 4176760.6, 19.9, 19.9, 1.2);
(637161.7, 4176704.4, 21.9, 21.9, 1.2); (637183.3, 4176714.9, 19.0, 22.2, 1.2);
(637204.9, 4176725.5, 20.0, 20.0, 1.2); (637226.5, 4176736.1, 20.2, 20.2, 1.2);
(637248.1, 4176746.7, 20.4, 20.4, 1.2); (637269.7, 4176757.3, 20.5, 20.5, 1.2);
(637291.3, 4176767.9, 20.5, 20.5, 1.2); (637312.9, 4176778.5, 20.5, 20.5, 1.2);
(637334.5, 4176789.1, 20.6, 20.6, 1.2); (637356.1, 4176799.7, 20.6, 20.6, 1.2);
(637377.7, 4176810.3, 20.7, 20.7, 1.2); (637399.3, 4176820.8, 20.6, 20.6, 1.2);
(637420.9, 4176831.4, 20.6, 20.6, 1.2); (637150.7, 4176726.8, 21.3, 21.3, 1.2);
(637172.3, 4176737.4, 19.0, 21.6, 1.2); (637193.9, 4176748.0, 20.0, 20.0, 1.2);
(637215.5, 4176758.6, 19.9, 19.9, 1.2); (637237.1, 4176769.2, 20.0, 20.0, 1.2);
(637258.7, 4176779.8, 20.1, 20.1, 1.2); (637280.3, 4176790.3, 20.2, 20.2, 1.2);
(637301.9, 4176800.9, 20.3, 20.3, 1.2); (637323.5, 4176811.5, 20.3, 20.3, 1.2);
(637345.1, 4176822.1, 20.4, 20.4, 1.2); (637366.7, 4176832.7, 20.5, 20.5, 1.2);
(637388.3, 4176843.3, 20.3, 20.3, 1.2); (637409.9, 4176853.9, 20.1, 20.1, 1.2);
(637139.7, 4176749.3, 20.5, 20.5, 1.2); (637161.3, 4176759.8, 19.4, 19.4, 1.2);
(637182.9, 4176770.4, 19.7, 19.7, 1.2); (637204.5, 4176781.0, 19.2, 19.2, 1.2);
(637226.1, 4176791.6, 19.4, 19.4, 1.2); (637247.7, 4176802.2, 19.4, 19.4, 1.2);
(637269.3, 4176812.8, 19.5, 19.5, 1.2); (637290.9,

```
4176823.4,      19.6,      19.6,       1.2);
     ( 637312.5, 4176834.0,      19.7,      19.7,       1.2);         ( 637334.1,
4176844.6,      19.8,      19.8,       1.2);
     ( 637355.7, 4176855.1,      19.9,      19.9,       1.2);         ( 637377.3,
4176865.7,      19.8,      19.8,       1.2);
     ( 637398.9, 4176876.3,      19.7,      19.7,       1.2);         ( 637128.7,
4176771.7,      19.4,      19.4,       1.2);
     ( 637150.3, 4176782.3,      19.8,      19.8,       1.2);         ( 637171.9,
4176792.9,      19.6,      19.6,       1.2);
     ( 637193.5, 4176803.5,      19.3,      19.3,       1.2);         ( 637215.1,
4176814.1,      19.9,      19.9,       1.2);
     ( 637236.7, 4176824.6,      20.0,      20.0,       1.2);         ( 637258.3,
4176835.2,      20.0,      20.0,       1.2);
     ( 637279.9, 4176845.8,      20.1,      20.1,       1.2);         ( 637301.5,
4176856.4,      20.1,      20.1,       1.2);
     ( 637323.1, 4176867.0,      20.2,      20.2,       1.2);         ( 637344.7,
4176877.6,      20.3,      20.3,       1.2);
     ( 637366.3, 4176888.2,      20.3,      20.3,       1.2);         ( 637387.9,
4176898.8,      20.1,      20.1,       1.2);
     ( 637442.9, 4176842.6,      20.4,      20.4,       1.2);         ( 637465.2,
4176853.9,      20.5,      20.5,       1.2);
     ( 637487.5, 4176865.2,      20.5,      20.5,       1.2);         ( 637509.8,
4176876.5,      20.5,      20.5,       1.2);
     ( 637532.1, 4176887.8,      20.6,      20.6,       1.2);         ( 637554.4,
4176899.0,      20.4,      20.4,       1.2);
     ( 637576.7, 4176910.3,      20.2,      20.2,       1.2);         ( 637599.0,
4176921.6,      20.3,      20.3,       1.2);
     ( 637621.3, 4176932.9,      20.2,      20.2,       1.2);         ( 637643.6,
4176944.2,      20.2,      20.2,       1.2);
     ( 637665.9, 4176955.5,      20.1,      20.1,       1.2);         ( 637688.2,
4176966.8,      20.1,      20.1,       1.2);
     ( 637710.5, 4176978.1,      20.1,      20.1,       1.2);         ( 637732.8,
4176989.4,      20.2,      20.2,       1.2);
     ( 637755.1, 4177000.7,      20.2,      20.2,       1.2);         ( 637777.4,
4177012.0,      20.4,      20.4,       1.2);
     ( 637799.6, 4177023.3,      20.1,      20.1,       1.2);         ( 637821.9,
4177034.6,      20.0,      20.0,       1.2);
     ( 637844.2, 4177045.8,      20.1,      20.1,       1.2);         ( 637866.5,
4177057.1,      20.1,      20.1,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637431.6, 4176864.9, 20.1, 20.1, 1.2); (637453.9, 4176876.2, 20.2, 20.2, 1.2);
(637476.2, 4176887.5, 20.2, 20.2, 1.2); (637498.5, 4176898.8, 20.3, 20.3, 1.2);
(637520.8, 4176910.1, 20.3, 20.3, 1.2); (637543.1, 4176921.3, 20.2, 20.2, 1.2);
(637565.4, 4176932.6, 20.3, 20.3, 1.2); (637587.7, 4176943.9, 20.3, 20.3, 1.2);
(637610.0, 4176955.2, 20.3, 20.3, 1.2); (637632.3, 4176966.5, 20.2, 20.2, 1.2);
(637654.6, 4176977.8, 20.1, 20.1, 1.2); (637676.9, 4176989.1, 20.2, 20.2, 1.2);
(637699.2, 4177000.4, 20.1, 20.1, 1.2); (637721.5, 4177011.7, 20.1, 20.1, 1.2);
(637743.8, 4177023.0, 20.0, 20.0, 1.2); (637766.1, 4177034.3, 20.1, 20.1, 1.2);
(637788.4, 4177045.6, 20.0, 20.0, 1.2); (637810.6, 4177056.9, 19.9, 19.9, 1.2);
(637832.9, 4177068.2, 20.0, 20.0, 1.2); (637855.2, 4177079.4, 20.0, 20.0, 1.2);
(637420.3, 4176887.2, 19.5, 19.5, 1.2); (637442.6, 4176898.5, 19.5, 19.5, 1.2);
(637464.9, 4176909.8, 19.6, 19.6, 1.2); (637487.2, 4176921.1, 19.6, 19.6, 1.2);
(637509.5, 4176932.4, 19.7, 19.7, 1.2); (637531.8, 4176943.7, 19.7, 19.7, 1.2);
(637554.1, 4176954.9, 19.8, 19.8, 1.2); (637576.4, 4176966.2, 19.9, 19.9, 1.2);
(637598.7, 4176977.5, 19.9, 19.9, 1.2); (637621.0, 4176988.8, 19.9, 19.9, 1.2);
(637643.3, 4177000.1, 19.8, 19.8, 1.2); (637665.6, 4177011.4, 19.8, 19.8, 1.2);
(637687.9, 4177022.7, 19.7, 19.7, 1.2); (637710.2, 4177034.0, 19.8, 19.8, 1.2);
(637732.5, 4177045.3, 19.6, 19.6, 1.2); (637754.8, 4177056.6, 20.0, 20.0, 1.2);
(637777.1, 4177067.9, 19.9, 19.9, 1.2); (637799.4, 4177079.2, 19.9, 19.9, 1.2);
(637821.7, 4177090.5, 19.9, 19.9, 1.2); (637843.9, 4177101.8, 20.0, 20.0, 1.2);
(637409.0, 4176909.5, 19.7, 19.7, 1.2); (637431.3, 4176920.8, 19.6, 19.6, 1.2);
(637453.6, 4176932.1, 20.1, 20.1, 1.2); (637475.9, 4176943.4, 20.0, 20.0, 1.2);
(637498.2, 4176954.7, 20.1, 20.1, 1.2); (637520.5, 4176966.0, 19.7, 19.7, 1.2);
(637542.8, 4176977.2, 19.9, 19.9, 1.2); (637565.1, 4176988.5, 20.1, 20.1, 1.2);
(637587.4, 4176999.8, 20.1, 20.1, 1.2); (637609.7, 4177011.1, 20.1, 20.1, 1.2);
(637632.0, 4177022.4, 20.1, 20.1, 1.2); (637654.3,

```
4177033.7,      20.1,      20.1,       1.2);
     ( 637676.6, 4177045.0,      20.0,      20.0,       1.2);         ( 637698.9,
4177056.3,      19.6,      19.6,       1.2);
     ( 637721.2, 4177067.6,      19.5,      19.5,       1.2);         ( 637743.5,
4177078.9,      19.8,      19.8,       1.2);
     ( 637765.8, 4177090.2,      20.2,      20.2,       1.2);         ( 637788.1,
4177101.5,      19.8,      19.8,       1.2);
     ( 637810.4, 4177112.8,      19.9,      19.9,       1.2);         ( 637832.7,
4177124.0,      19.9,      19.9,       1.2);
     ( 637902.3, 4177074.8,      20.2,      20.2,       1.2);         ( 637937.8,
4177092.3,      21.1,      21.1,       1.2);
     ( 637891.2, 4177097.2,      19.7,      19.7,       1.2);         ( 637926.8,
4177114.7,      20.7,      20.7,       1.2);
     ( 637880.2, 4177119.6,      19.8,      19.8,       1.2);         ( 637915.7,
4177137.1,      20.1,      20.1,       1.2);
     ( 637869.1, 4177142.0,      19.9,      19.9,       1.2);         ( 637904.7,
4177159.6,      19.9,      19.9,       1.2);
     ( 637958.2, 4177145.7,      20.1,      20.1,       1.2);         ( 637979.5,
4177156.5,      20.1,      20.1,       1.2);
     ( 638000.8, 4177167.3,      19.8,      19.8,       1.2);         ( 638022.1,
4177178.1,      19.9,      19.9,       1.2);
     ( 638043.4, 4177188.9,      20.0,      20.0,       1.2);         ( 638064.7,
4177199.8,      20.1,      20.1,       1.2);
     ( 638086.0, 4177210.6,      20.1,      20.1,       1.2);         ( 638107.3,
4177221.4,      20.0,      20.0,       1.2);
     ( 638128.6, 4177232.2,      19.9,      19.9,       1.2);         ( 638149.9,
4177243.0,      19.8,      19.8,       1.2);
     ( 638171.2, 4177253.8,      19.9,      19.9,       1.2);         ( 638192.5,
4177264.6,      20.0,      20.0,       1.2);
     ( 638213.8, 4177275.4,      20.1,      20.1,       1.2);         ( 638235.1,
4177286.2,      20.2,      20.2,       1.2);
     ( 638256.4, 4177297.0,      20.1,      20.1,       1.2);         ( 638277.8,
4177307.8,      20.0,      20.0,       1.2);
     ( 637946.9, 4177168.0,      20.0,      20.0,       1.2);         ( 637968.2,
4177178.8,      19.9,      19.9,       1.2);
     ( 637989.5, 4177189.6,      19.6,      19.6,       1.2);         ( 638010.8,
4177200.4,      20.2,      20.2,       1.2);
     ( 638032.1, 4177211.2,      20.3,      20.3,       1.2);         ( 638053.4,
4177222.0,      20.3,      20.3,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638074.7, 4177232.8, 20.4, 20.4, 1.2); (638096.0, 4177243.7, 20.3, 20.3, 1.2);
(638117.3, 4177254.5, 20.2, 20.2, 1.2); (638138.6, 4177265.3, 20.0, 20.0, 1.2);
(638159.9, 4177276.1, 20.1, 20.1, 1.2); (638181.2, 4177286.9, 20.3, 20.3, 1.2);
(638202.5, 4177297.7, 20.4, 20.4, 1.2); (638223.8, 4177308.5, 20.5, 20.5, 1.2);
(638245.1, 4177319.3, 20.5, 20.5, 1.2); (638266.4, 4177330.1, 20.2, 20.2, 1.2);
(637935.6, 4177190.3, 19.5, 19.5, 1.2); (637956.9, 4177201.1, 19.9, 19.9, 1.2);
(637978.2, 4177211.9, 19.6, 19.6, 1.2); (637999.5, 4177222.7, 19.7, 19.7, 1.2);
(638020.8, 4177233.5, 19.9, 19.9, 1.2); (638042.1, 4177244.3, 20.0, 20.0, 1.2);
(638063.4, 4177255.1, 20.1, 20.1, 1.2); (638084.7, 4177266.0, 20.1, 20.1, 1.2);
(638106.0, 4177276.8, 20.2, 20.2, 1.2); (638127.3, 4177287.6, 19.8, 19.8, 1.2);
(638148.6, 4177298.4, 19.8, 19.8, 1.2); (638169.9, 4177309.2, 20.3, 20.3, 1.2);
(638191.2, 4177320.0, 20.0, 20.0, 1.2); (638212.5, 4177330.8, 20.1, 20.1, 1.2);
(638233.8, 4177341.6, 20.2, 20.2, 1.2); (638255.1, 4177352.4, 19.8, 19.8, 1.2);
(637889.5, 4177189.3, 19.7, 19.7, 1.2); (637924.3, 4177212.6, 19.4, 19.4, 1.2);
(637945.6, 4177223.4, 19.3, 19.3, 1.2); (637966.9, 4177234.2, 19.2, 19.2, 1.2);
(637988.2, 4177245.0, 19.2, 19.2, 1.2); (638009.5, 4177255.8, 19.5, 19.5, 1.2);
(638030.8, 4177266.6, 19.6, 19.6, 1.2); (638052.1, 4177277.4, 19.7, 19.7, 1.2);
(638073.4, 4177288.2, 19.8, 19.8, 1.2); (638094.7, 4177299.1, 19.8, 19.8, 1.2);
(638116.0, 4177309.9, 19.7, 19.7, 1.2); (638137.3, 4177320.7, 19.7, 19.7, 1.2);
(638158.6, 4177331.5, 20.1, 20.1, 1.2); (638179.9, 4177342.3, 19.8, 19.8, 1.2);
(638201.2, 4177353.1, 19.9, 19.9, 1.2); (638222.5, 4177363.9, 20.1, 20.1, 1.2);
(638243.8, 4177374.7, 19.6, 19.6, 1.2); (638299.0, 4177318.5, 20.2, 20.2, 1.2);
(638320.2, 4177329.2, 20.2, 20.2, 1.2); (638341.5, 4177339.9, 19.7, 19.7, 1.2);
(638287.8, 4177340.9, 19.9, 19.9, 1.2); (638309.0, 4177351.6, 19.7, 19.7, 1.2);
(638330.2, 4177362.3, 19.4, 19.4, 1.2); (638276.5, 4177363.2, 20.0, 20.0, 1.2);
(638297.8, 4177373.9, 19.4, 19.4, 1.2); (638319.0,

```
4177384.6,      19.3,      19.3,       1.2);
     ( 638265.3, 4177385.5,      20.0,      20.0,      1.2);         ( 638286.5,
4177396.2,      19.5,      19.5,       1.2);
     ( 638307.7, 4177406.9,      19.3,      19.3,      1.2);         ( 638380.8,
4177333.5,      19.5,      19.5,       1.2);
     ( 638418.7, 4177318.6,      19.7,      19.7,      1.2);         ( 638357.4,
4177363.5,      19.3,      19.3,       1.2);
     ( 638389.9, 4177356.7,      19.4,      19.4,      1.2);         ( 638427.8,
4177341.9,      19.5,      19.5,       1.2);
     ( 638364.8, 4177386.7,      19.3,      19.3,      1.2);         ( 638399.1,
4177380.0,      19.4,      19.4,       1.2);
     ( 638436.9, 4177365.1,      19.4,      19.4,      1.2);         ( 638372.9,
4177409.9,      19.3,      19.3,       1.2);
     ( 638340.3, 4177408.4,      19.4,      19.4,      1.2);         ( 638408.2,
4177403.3,      19.3,      19.3,       1.2);
     ( 638446.1, 4177388.4,      19.2,      19.2,      1.2);         ( 638463.9,
4177349.8,      19.4,      19.4,       1.2);
     ( 638485.7, 4177360.5,      19.2,      19.2,      1.2);         ( 638474.7,
4177382.9,      19.1,      19.1,       1.2);
     ( 638463.7, 4177405.4,      18.9,      18.9,      1.2);         ( 638430.9,
4177417.1,      19.1,      19.1,       1.2);
     ( 638452.7, 4177427.8,      18.9,      18.9,      1.2);         ( 638506.4,
4177371.0,      19.0,      19.0,       1.2);
     ( 638527.4, 4177381.8,      19.0,      19.0,      1.2);         ( 638548.5,
4177392.5,      18.9,      18.9,       1.2);
     ( 638569.5, 4177403.3,      18.8,      18.8,      1.2);         ( 638590.6,
4177414.0,      18.6,      18.6,       1.2);
     ( 638611.7, 4177424.8,      18.7,      18.7,      1.2);         ( 638495.0,
4177393.3,      18.8,      18.8,       1.2);
     ( 638516.1, 4177404.0,      18.7,      18.7,      1.2);         ( 638537.1,
4177414.8,      18.6,      18.6,       1.2);
     ( 638558.2, 4177425.5,      18.5,      18.5,      1.2);         ( 638579.2,
4177436.3,      18.5,      18.5,       1.2);
     ( 638600.3, 4177447.0,      18.4,      18.4,      1.2);         ( 638504.7,
4177426.3,      18.5,      18.5,       1.2);
     ( 638525.7, 4177437.0,      18.5,      18.5,      1.2);         ( 638546.8,
4177447.8,      18.2,      18.2,       1.2);
     ( 638567.9, 4177458.6,      18.3,      18.3,      1.2);         ( 638493.3,
4177448.6,      18.4,      18.4,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638514.4, 4177459.3, 18.6, 18.6, 1.2); (638535.4, 4177470.1, 18.4, 18.4, 1.2);
(638632.3, 4177435.1, 18.8, 18.8, 1.2); (638652.8, 4177445.4, 18.9, 18.9, 1.2);
(638714.4, 4177476.3, 19.1, 19.1, 1.2); (638734.9, 4177486.6, 19.0, 19.0, 1.2);
(638621.1, 4177457.5, 18.7, 18.7, 1.2); (638723.7, 4177508.9, 19.0, 19.0, 1.2);
(638712.5, 4177531.3, 18.9, 18.9, 1.2); (638660.2, 4177533.1, 18.5, 18.5, 1.2);
(638680.7, 4177543.3, 18.6, 18.6, 1.2); (638701.2, 4177553.6, 18.8, 18.8, 1.2);
(638774.7, 4177506.1, 19.0, 19.0, 1.2); (638814.3, 4177525.5, 18.7, 18.7, 1.2);
(638854.0, 4177544.9, 18.3, 18.3, 1.2); (638893.6, 4177564.3, 18.4, 18.4, 1.2);
(638763.7, 4177528.6, 18.9, 18.9, 1.2); (638803.3, 4177548.0, 18.4, 18.4, 1.2);
(638843.0, 4177567.4, 18.2, 18.2, 1.2); (638882.6, 4177586.8, 18.0, 18.0, 1.2);
(638732.9, 4177541.3, 18.7, 18.7, 1.2); (638772.5, 4177560.7, 18.4, 18.4, 1.2);
(638812.2, 4177580.1, 18.0, 18.0, 1.2); (638851.8, 4177599.5, 17.8, 17.8, 1.2);
(638721.9, 4177563.8, 18.7, 18.7, 1.2); (638761.5, 4177583.2, 18.4, 18.4, 1.2);
(638801.2, 4177602.6, 18.1, 18.1, 1.2); (638840.8, 4177622.0, 17.6, 17.6, 1.2);
(638915.7, 4177574.8, 18.3, 18.3, 1.2); (638937.5, 4177585.2, 18.2, 18.2, 1.2);
(638959.4, 4177595.6, 18.1, 18.1, 1.2); (638981.3, 4177606.0, 17.9, 17.9, 1.2);
(638905.0, 4177597.4, 18.0, 18.0, 1.2); (638926.8, 4177607.8, 17.9, 17.9, 1.2);
(638948.7, 4177618.2, 17.8, 17.8, 1.2); (638970.5, 4177628.5, 17.8, 17.8, 1.2);
(638872.4, 4177609.6, 17.7, 17.7, 1.2); (638894.2, 4177620.0, 17.8, 17.8, 1.2);
(638916.1, 4177630.4, 17.8, 17.8, 1.2); (638937.9, 4177640.7, 17.7, 17.7, 1.2);
(638959.8, 4177651.1, 17.6, 17.6, 1.2); (638861.6, 4177632.2, 17.5, 17.5, 1.2);
(638883.5, 4177642.5, 17.7, 17.7, 1.2); (638905.4, 4177652.9, 17.7, 17.7, 1.2);
(638927.2, 4177663.3, 17.2, 17.2, 1.2); (638949.1, 4177673.7, 17.5, 17.5, 1.2);
(639019.3, 4177624.1, 17.7, 17.7, 1.2); (639057.4, 4177642.3, 17.5, 17.5, 1.2);
(639095.5, 4177660.4, 17.5, 17.5, 1.2); (639008.5, 4177646.7, 17.8, 17.8, 1.2);
(639046.6, 4177664.8, 17.7, 17.7, 1.2); (639084.7,

```
4177683.0,      17.5,      17.5,       1.2);
     ( 638997.8, 4177669.2,      17.7,      17.7,      1.2);         ( 639035.9,
4177687.4,      17.7,      17.7,       1.2);
     ( 639073.9, 4177705.6,      17.3,      17.3,      1.2);         ( 638987.0,
4177691.8,      17.5,      17.5,       1.2);
     ( 639025.1, 4177710.0,      17.6,      17.6,      1.2);         ( 639063.2,
4177728.1,      17.2,      17.2,       1.2);
     ( 639133.4, 4177679.8,      17.4,      17.4,      1.2);         ( 639172.0,
4177699.5,      17.4,      17.4,       1.2);
     ( 639122.1, 4177702.1,      17.3,      17.3,      1.2);         ( 639160.6,
4177721.8,      17.4,      17.4,       1.2);
     ( 639110.7, 4177724.4,      17.3,      17.3,      1.2);         ( 639149.2,
4177744.0,      17.3,      17.3,       1.2);
     ( 639099.3, 4177746.6,      17.2,      17.2,      1.2);         ( 639137.9,
4177766.3,      17.2,      17.2,       1.2);
     ( 639193.0, 4177710.0,      17.3,      17.3,      1.2);         ( 639213.7,
4177720.4,      17.3,      17.3,       1.2);
     ( 639234.5, 4177730.8,      17.2,      17.2,      1.2);         ( 639255.3,
4177741.2,      17.2,      17.2,       1.2);
     ( 639276.1, 4177751.6,      17.1,      17.1,      1.2);         ( 639296.9,
4177761.9,      17.1,      17.1,       1.2);
     ( 639181.8, 4177732.3,      17.3,      17.3,      1.2);         ( 639202.6,
4177742.7,      17.2,      17.2,       1.2);
     ( 639223.4, 4177753.1,      16.9,      16.9,      1.2);         ( 639244.1,
4177763.5,      16.9,      16.9,       1.2);
     ( 639264.9, 4177773.9,      17.0,      17.0,      1.2);         ( 639285.7,
4177784.3,      17.1,      17.1,       1.2);
     ( 639170.6, 4177754.7,      17.3,      17.3,      1.2);         ( 639191.4,
4177765.1,      17.2,      17.2,       1.2);
     ( 639212.2, 4177775.5,      17.0,      17.0,      1.2);         ( 639233.0,
4177785.9,      16.8,      16.8,       1.2);
     ( 639253.8, 4177796.3,      16.9,      16.9,      1.2);         ( 639274.6,
4177806.7,      16.9,      16.9,       1.2);
     ( 639159.4, 4177777.0,      17.2,      17.2,      1.2);         ( 639180.2,
4177787.4,      17.2,      17.2,       1.2);
     ( 639201.0, 4177797.8,      17.1,      17.1,      1.2);         ( 639221.8,
4177808.2,      16.7,      16.7,       1.2);
     ( 639242.6, 4177818.6,      16.8,      16.8,      1.2);         ( 639263.4,
4177829.0,      16.7,      16.7,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(639317.4, 4177772.4, 17.1, 17.1, 1.2); (639338.1, 4177782.9, 17.2, 17.2, 1.2);
(639358.7, 4177793.4, 17.2, 17.2, 1.2); (639379.4, 4177803.8, 17.2, 17.2, 1.2);
(639306.1, 4177794.7, 17.2, 17.2, 1.2); (639326.8, 4177805.1, 17.2, 17.2, 1.2);
(639347.4, 4177815.6, 17.1, 17.1, 1.2); (639368.1, 4177826.1, 17.1, 17.1, 1.2);
(639294.8, 4177816.9, 16.9, 16.9, 1.2); (639315.4, 4177827.4, 16.9, 16.9, 1.2);
(639336.1, 4177837.9, 16.9, 16.9, 1.2); (639356.7, 4177848.4, 17.0, 17.0, 1.2);
(639283.4, 4177839.2, 16.6, 16.6, 1.2); (639304.1, 4177849.7, 16.6, 16.6, 1.2);
(639324.8, 4177860.2, 16.6, 16.6, 1.2); (639345.4, 4177870.7, 16.8, 16.8, 1.2);
(639400.5, 4177815.2, 17.2, 17.2, 1.2); (639422.1, 4177826.9, 17.0, 17.0, 1.2);
(639443.8, 4177838.5, 17.0, 17.0, 1.2); (639388.7, 4177837.2, 16.9, 16.9, 1.2);
(639410.3, 4177848.9, 17.0, 17.0, 1.2); (639431.9, 4177860.5, 16.8, 16.8, 1.2);
(639376.8, 4177859.3, 16.9, 16.9, 1.2); (639398.4, 4177870.9, 16.9, 16.9, 1.2);
(639420.1, 4177882.5, 16.6, 16.6, 1.2); (639386.6, 4177892.9, 16.7, 16.7, 1.2);
(639408.2, 4177904.6, 16.6, 16.6, 1.2); (639466.2, 4177858.3, 16.8, 16.8, 1.2);
(639450.0, 4177877.3, 16.8, 16.8, 1.2); (639447.2, 4177907.8, 16.7, 16.7, 1.2);
(639431.0, 4177926.8, 16.5, 16.5, 1.2); (639484.9, 4177880.4, 16.7, 16.7, 1.2);
(639474.0, 4177910.1, 16.7, 16.7, 1.2); (639454.3, 4177945.2, 16.6, 16.6, 1.2);
(639526.1, 4177788.6, 17.9, 17.9, 1.2); (639505.1, 4177778.0, 17.8, 17.8, 1.2);
(639484.0, 4177767.3, 17.6, 17.6, 1.2); (639462.9, 4177756.7, 17.6, 17.6, 1.2);
(639441.8, 4177746.1, 17.9, 17.9, 1.2); (639420.8, 4177735.5, 17.9, 17.9, 1.2);
(639399.7, 4177724.9, 18.0, 18.0, 1.2); (639378.6, 4177714.3, 18.0, 18.0, 1.2);
(639357.6, 4177703.7, 17.9, 17.9, 1.2); (639336.5, 4177693.1, 18.1, 18.1, 1.2);
(639315.4, 4177682.5, 18.2, 18.2, 1.2); (639547.3, 4177775.2, 17.5, 17.5, 1.2);
(639516.3, 4177755.6, 18.1, 18.1, 1.2); (639495.2, 4177745.0, 17.6, 17.6, 1.2);
(639474.2, 4177734.4, 17.9, 17.9, 1.2); (639453.1, 4177723.8, 17.7, 17.7, 1.2);
(639432.0, 4177713.2, 17.6, 17.6, 1.2); (639410.9,

```
4177702.6,      17.8,      17.8,       1.2);
     ( 639389.9, 4177692.0,      18.0,      18.0,       1.2);         ( 639368.8,
4177681.4,      17.9,      17.9,       1.2);
     ( 639347.7, 4177670.8,      18.0,      18.0,       1.2);         ( 639326.6,
4177660.1,      18.0,      18.0,       1.2);
     ( 639563.5, 4177757.4,      17.7,      17.7,       1.2);         ( 639527.6,
4177733.3,      18.3,      18.3,       1.2);
     ( 639506.5, 4177722.7,      18.1,      18.1,       1.2);         ( 639485.4,
4177712.1,      17.6,      17.6,       1.2);
     ( 639464.3, 4177701.5,      17.7,      17.7,       1.2);         ( 639443.2,
4177690.9,      17.7,      17.7,       1.2);
     ( 639422.2, 4177680.2,      17.9,      17.9,       1.2);         ( 639401.1,
4177669.6,      18.0,      18.0,       1.2);
     ( 639380.0, 4177659.0,      17.9,      17.9,       1.2);         ( 639359.0,
4177648.4,      18.0,      18.0,       1.2);
     ( 639337.9, 4177637.8,      18.1,      18.1,       1.2);         ( 639573.1,
4177733.6,      17.7,      17.7,       1.2);
     ( 639538.8, 4177711.0,      18.2,      18.2,       1.2);         ( 639517.7,
4177700.4,      18.1,      18.1,       1.2);
     ( 639496.6, 4177689.8,      17.8,      17.8,       1.2);         ( 639475.6,
4177679.1,      17.9,      17.9,       1.2);
     ( 639454.5, 4177668.5,      18.0,      18.0,       1.2);         ( 639433.4,
4177657.9,      18.2,      18.2,       1.2);
     ( 639412.4, 4177647.3,      18.2,      18.2,       1.2);         ( 639391.3,
4177636.7,      18.1,      18.1,       1.2);
     ( 639370.2, 4177626.1,      18.0,      18.0,       1.2);         ( 639349.1,
4177615.5,      17.8,      17.8,       1.2);
     ( 639293.9, 4177671.3,      18.2,      18.2,       1.2);         ( 639272.1,
4177660.0,      18.1,      18.1,       1.2);
     ( 639250.3, 4177648.8,      18.1,      18.1,       1.2);         ( 639228.6,
4177637.5,      18.1,      18.1,       1.2);
     ( 639206.8, 4177626.2,      18.2,      18.2,       1.2);         ( 639185.0,
4177614.9,      18.2,      18.2,       1.2);
     ( 639163.2, 4177603.7,      18.2,      18.2,       1.2);         ( 639141.5,
4177592.4,      18.3,      18.3,       1.2);
     ( 639119.7, 4177581.1,      18.3,      18.3,       1.2);         ( 639097.9,
4177569.8,      18.5,      18.5,       1.2);
     ( 639076.1, 4177558.6,      18.5,      18.5,       1.2);         ( 639305.4,
4177649.1,      18.1,      18.1,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(639283.6, 4177637.8, 18.1, 18.1, 1.2); (639261.8, 4177626.6, 18.1, 18.1, 1.2);
(639240.1, 4177615.3, 18.1, 18.1, 1.2); (639218.3, 4177604.0, 18.2, 18.2, 1.2);
(639196.5, 4177592.8, 18.2, 18.2, 1.2); (639174.7, 4177581.5, 18.2, 18.2, 1.2);
(639153.0, 4177570.2, 18.2, 18.2, 1.2); (639131.2, 4177558.9, 18.3, 18.3, 1.2);
(639109.4, 4177547.6, 18.4, 18.4, 1.2); (639087.6, 4177536.4, 18.4, 18.4, 1.2);
(639316.9, 4177626.9, 18.0, 18.0, 1.2); (639295.1, 4177615.6, 17.9, 17.9, 1.2);
(639273.3, 4177604.4, 18.1, 18.1, 1.2); (639251.5, 4177593.1, 18.2, 18.2, 1.2);
(639229.8, 4177581.8, 18.2, 18.2, 1.2); (639208.0, 4177570.5, 18.2, 18.2, 1.2);
(639186.2, 4177559.3, 18.3, 18.3, 1.2); (639164.4, 4177548.0, 18.3, 18.3, 1.2);
(639142.7, 4177536.7, 18.4, 18.4, 1.2); (639120.9, 4177525.4, 18.4, 18.4, 1.2);
(639099.1, 4177514.2, 18.5, 18.5, 1.2); (639328.4, 4177604.7, 17.8, 17.8, 1.2);
(639306.6, 4177593.4, 18.0, 18.0, 1.2); (639284.8, 4177582.2, 17.9, 17.9, 1.2);
(639263.0, 4177570.9, 17.9, 17.9, 1.2); (639241.3, 4177559.6, 18.1, 18.1, 1.2);
(639219.5, 4177548.3, 18.1, 18.1, 1.2); (639197.7, 4177537.1, 18.2, 18.2, 1.2);
(639175.9, 4177525.8, 18.3, 18.3, 1.2); (639154.2, 4177514.5, 18.4, 18.4, 1.2);
(639132.4, 4177503.2, 18.5, 18.5, 1.2); (639110.6, 4177492.0, 18.8, 18.8, 1.2);
(639038.4, 4177538.5, 18.6, 18.6, 1.2); (639000.4, 4177518.2, 18.7, 18.7, 1.2);
(638962.5, 4177498.0, 18.8, 18.8, 1.2); (639050.2, 4177516.4, 18.6, 18.6, 1.2);
(639012.2, 4177496.1, 18.7, 18.7, 1.2); (638974.2, 4177475.9, 18.9, 18.9, 1.2);
(639062.0, 4177494.3, 18.6, 18.6, 1.2); (639024.0, 4177474.1, 18.8, 18.8, 1.2);
(638986.0, 4177453.8, 18.9, 18.9, 1.2); (639073.7, 4177472.3, 18.8, 18.8, 1.2);
(639035.7, 4177452.0, 18.9, 18.9, 1.2); (638997.8, 4177431.8, 19.2, 19.2, 1.2);
(638920.9, 4177476.7, 18.8, 18.8, 1.2); (638899.0, 4177465.9, 18.9, 18.9, 1.2);
(638877.2, 4177455.0, 18.9, 18.9, 1.2); (638855.3, 4177444.2, 18.9, 18.9, 1.2);
(638833.4, 4177433.4, 19.0, 19.0, 1.2); (638811.5, 4177422.6, 19.1, 19.1, 1.2);
(638789.6, 4177411.8, 19.2, 19.2, 1.2); (638767.7,

```
4177401.0,      19.2,      19.2,       1.2);
     ( 638745.9, 4177390.2,      19.2,      19.2,       1.2);         ( 638724.0,
4177379.4,      19.1,      19.1,       1.2);
     ( 638953.9, 4177465.1,      18.8,      18.8,       1.2);         ( 638932.0,
4177454.2,      19.0,      19.0,       1.2);
     ( 638910.1, 4177443.4,      19.1,      19.1,       1.2);         ( 638888.2,
4177432.6,      19.2,      19.2,       1.2);
     ( 638866.3, 4177421.8,      19.2,      19.2,       1.2);         ( 638844.5,
4177411.0,      19.3,      19.3,       1.2);
     ( 638822.6, 4177400.2,      19.2,      19.2,       1.2);         ( 638800.7,
4177389.4,      19.2,      19.2,       1.2);
     ( 638778.8, 4177378.6,      19.1,      19.1,       1.2);         ( 638756.9,
4177367.8,      19.2,      19.2,       1.2);
     ( 638735.1, 4177357.0,      19.1,      19.1,       1.2);         ( 638964.9,
4177442.6,      19.0,      19.0,       1.2);
     ( 638943.1, 4177431.8,      19.2,      19.2,       1.2);         ( 638921.2,
4177421.0,      19.2,      19.2,       1.2);
     ( 638899.3, 4177410.2,      19.2,      19.2,       1.2);         ( 638877.4,
4177399.4,      19.3,      19.3,       1.2);
     ( 638855.5, 4177388.6,      19.3,      19.3,       1.2);         ( 638833.7,
4177377.8,      19.3,      19.3,       1.2);
     ( 638811.8, 4177367.0,      19.3,      19.3,       1.2);         ( 638789.9,
4177356.2,      19.1,      19.1,       1.2);
     ( 638768.0, 4177345.4,      19.3,      19.3,       1.2);         ( 638746.1,
4177334.6,      19.2,      19.2,       1.2);
     ( 638976.0, 4177420.2,      19.2,      19.2,       1.2);         ( 638954.1,
4177409.4,      19.3,      19.3,       1.2);
     ( 638932.2, 4177398.6,      19.3,      19.3,       1.2);         ( 638910.4,
4177387.8,      19.3,      19.3,       1.2);
     ( 638888.5, 4177377.0,      19.3,      19.3,       1.2);         ( 638866.6,
4177366.2,      19.3,      19.3,       1.2);
     ( 638844.7, 4177355.4,      19.2,      19.2,       1.2);         ( 638822.8,
4177344.6,      19.3,      19.3,       1.2);
     ( 638801.0, 4177333.8,      19.1,      19.1,       1.2);         ( 638779.1,
4177323.0,      18.9,      18.9,       1.2);
     ( 638757.2, 4177312.1,      19.4,      19.4,       1.2);         ( 638702.6,
4177369.1,      19.1,      19.1,       1.2);
     ( 638681.4, 4177358.8,      19.2,      19.2,       1.2);         ( 638660.2,
4177348.6,      19.3,      19.3,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638639.0, 4177338.4, 19.4, 19.4, 1.2); (638617.8, 4177328.2, 19.5, 19.5, 1.2);
(638596.6, 4177317.9, 19.6, 19.6, 1.2); (638575.4, 4177307.7, 19.9, 19.9, 1.2);
(638554.2, 4177297.5, 20.0, 20.0, 1.2); (638533.0, 4177287.3, 20.1, 20.1, 1.2);
(638713.4, 4177346.5, 19.2, 19.2, 1.2); (638692.2, 4177336.3, 19.0, 19.0, 1.2);
(638671.0, 4177326.1, 19.2, 19.2, 1.2); (638649.8, 4177315.9, 19.5, 19.5, 1.2);
(638628.6, 4177305.6, 19.6, 19.6, 1.2); (638607.4, 4177295.4, 19.8, 19.8, 1.2);
(638586.2, 4177285.2, 20.0, 20.0, 1.2); (638565.0, 4177275.0, 20.1, 20.1, 1.2);
(638543.8, 4177264.8, 20.1, 20.1, 1.2); (638724.3, 4177324.0, 19.2, 19.2, 1.2);
(638703.1, 4177313.8, 19.2, 19.2, 1.2); (638681.9, 4177303.6, 19.4, 19.4, 1.2);
(638660.7, 4177293.3, 19.8, 19.8, 1.2); (638639.5, 4177283.1, 20.0, 20.0, 1.2);
(638618.3, 4177272.9, 20.0, 20.0, 1.2); (638597.1, 4177262.7, 20.3, 20.3, 1.2);
(638575.9, 4177252.5, 20.2, 20.2, 1.2); (638554.7, 4177242.2, 20.4, 20.4, 1.2);
(638735.2, 4177301.5, 19.4, 19.4, 1.2); (638714.0, 4177291.3, 19.4, 19.4, 1.2);
(638692.7, 4177281.1, 19.6, 19.6, 1.2); (638671.5, 4177270.8, 19.8, 19.8, 1.2);
(638650.3, 4177260.6, 20.0, 20.0, 1.2); (638629.1, 4177250.4, 20.2, 20.2, 1.2);
(638607.9, 4177240.2, 20.2, 20.2, 1.2); (638586.7, 4177229.9, 20.2, 20.2, 1.2);
(638565.5, 4177219.7, 20.2, 20.2, 1.2); (638510.9, 4177276.3, 20.0, 20.0, 1.2);
(638488.7, 4177265.3, 19.9, 19.9, 1.2); (638466.4, 4177254.2, 20.0, 20.0, 1.2);
(638444.1, 4177243.2, 20.1, 20.1, 1.2); (638421.8, 4177232.1, 20.2, 20.2, 1.2);
(638399.6, 4177221.1, 20.2, 20.2, 1.2); (638377.3, 4177210.0, 20.3, 20.3, 1.2);
(638522.1, 4177253.9, 20.0, 20.0, 1.2); (638499.8, 4177242.9, 20.0, 20.0, 1.2);
(638477.5, 4177231.8, 20.1, 20.1, 1.2); (638455.2, 4177220.8, 20.1, 20.1, 1.2);
(638433.0, 4177209.8, 20.2, 20.2, 1.2); (638410.7, 4177198.7, 20.2, 20.2, 1.2);
(638388.4, 4177187.7, 20.2, 20.2, 1.2); (638533.2, 4177231.6, 20.1, 20.1, 1.2);
(638510.9, 4177220.5, 20.1, 20.1, 1.2); (638488.6, 4177209.5, 20.3, 20.3, 1.2);
(638466.3, 4177198.4, 20.3, 20.3, 1.2); (638444.1,

```
4177187.4,      20.4,      20.4,       1.2);
     ( 638421.8, 4177176.3,      20.4,      20.4,       1.2);         ( 638399.5,
4177165.3,      20.2,      20.2,       1.2);
     ( 638544.3, 4177209.2,      20.2,      20.2,       1.2);         ( 638522.0,
4177198.1,      20.3,      20.3,       1.2);
     ( 638499.7, 4177187.1,      20.3,      20.3,       1.2);         ( 638477.4,
4177176.0,      20.2,      20.2,       1.2);
     ( 638455.2, 4177165.0,      20.2,      20.2,       1.2);         ( 638432.9,
4177153.9,      20.2,      20.2,       1.2);
     ( 638410.6, 4177142.9,      20.2,      20.2,       1.2);         ( 636319.0,
4176278.4,      21.1,      21.1,       1.2);
     ( 636307.3, 4176300.4,      20.8,      20.8,       1.2);         ( 636295.6,
4176323.8,      20.3,      20.3,       1.2);
     ( 636283.8, 4176345.8,      20.2,      20.2,       1.2);         ( 636304.4,
4176273.2,      20.6,      20.6,       1.2);
     ( 636296.3, 4176295.2,      20.6,      20.6,       1.2);         ( 636281.6,
4176319.4,      20.2,      20.2,       1.2);
     ( 636267.7, 4176337.7,      19.5,      19.5,       1.2);         ( 638522.1,
4177309.8,      19.8,      19.8,       1.2);
     ( 638343.9, 4177221.4,      20.4,      20.4,       1.2);         ( 638056.7,
4177083.7,      21.2,      21.2,       1.2);
     ( 637703.4, 4176902.8,      20.4,      20.4,       1.2);         ( 637321.8,
4176712.7,      20.8,      20.8,       1.2);
     ( 636866.1, 4176483.9,      20.4,      20.4,       1.2);         ( 636327.4,
4176212.2,      21.7,      21.7,       1.2);
     ( 636323.1, 4176252.4,      21.5,      21.5,       1.2);         ( 637151.1,
4176671.3,      20.8,      22.0,       1.2);
     ( 637431.9, 4176809.0,      20.9,      20.9,       1.2);         ( 637877.8,
4177034.8,      20.3,      20.3,       1.2);
     ( 637948.9, 4177069.9,      21.1,      21.1,       1.2);         ( 637948.2,
4177112.6,      20.5,      20.5,       1.2);
     ( 638289.1, 4177285.5,      20.0,      20.0,       1.2);         ( 638352.7,
4177317.6,      19.7,      19.7,       1.2);
     ( 638409.6, 4177295.3,      20.0,      20.0,       1.2);         ( 638496.7,
4177338.0,      19.6,      19.6,       1.2);
     ( 638623.0, 4177402.5,      19.1,      19.1,       1.2);         ( 638746.1,
4177464.3,      19.0,      19.0,       1.2);
     ( 638904.6, 4177541.8,      18.6,      18.6,       1.2);         ( 638992.0,
4177583.4,      18.7,      18.7,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(639106.2, 4177637.9, 18.5, 18.5, 1.2); (639183.3, 4177677.2, 18.2, 18.2, 1.2);
(639308.1, 4177739.6, 17.9, 17.9, 1.2); (639390.7, 4177781.6, 17.6, 17.6, 1.2);
(639455.6, 4177816.5, 17.3, 17.3, 1.2); (639495.8, 4177850.6, 17.2, 17.2, 1.2);
(639516.4, 4177883.6, 17.0, 17.0, 1.2); (639514.9, 4177810.9, 17.7, 17.7, 1.2);
(639304.2, 4177704.8, 18.1, 18.1, 1.2); (639064.6, 4177580.8, 18.6, 18.6, 1.2);
(638931.7, 4177509.9, 18.8, 18.8, 1.2); (638712.9, 4177401.8, 19.3, 19.3, 1.2);
(638707.0, 4177532.3, 18.8, 18.8, 1.2); (638710.8, 4177448.3, 19.2, 19.2, 1.2);
(638438.2, 4177485.9, 18.9, 18.9, 1.2); (638454.1, 4177593.3, 18.8, 18.8, 1.2);
(638479.3, 4177575.1, 18.6, 18.6, 1.2); (638510.5, 4177557.3, 18.5, 18.5, 1.2);
(638544.3, 4177546.8, 18.4, 18.4, 1.2); (638587.9, 4177538.5, 18.4, 18.4, 1.2);
(638638.5, 4177531.9, 18.5, 18.5, 1.2);

```
                                            *** METEOROLOGICAL DAYS SELECTED FOR
PROCESSING ***
                                                               (1=YES; 0=NO)

            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1

                NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS
INCLUDED IN THE DATA FILE.



                                  *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED
CATEGORIES ***
                                                            (METERS/SEC)

                                                 1.54,   3.09,   5.14,   8.23,  10.80,
```

 *** MODELOPTs:

 *** Message Summary : AERMOD Model Execution ***

  --------- Summary of Total Messages --------

 A Total of   0 Fatal Error Message(s)
 A Total of   1 Warning Message(s)
 A Total of   0 Informational Message(s)

    ******** FATAL ERROR MESSAGES ********
               *** NONE ***

    ********   WARNING MESSAGES   ********
 ME W187   248   MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

    ****
    *** AERMOD Finishes Successfully ***
    ****

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.9.0
** Lakes Environmental Software Inc.
** Date: 7/22/2020
** File: C:\Lakes\AERMOD View\Tracy HRA Alt\Tracy HRA Alt.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE Valley Link HRA Tracy Alternative
   TITLETWO Tier 4 Mitigation Construction
   MODELOPT CONC FASTAREA
   AVERTIME ANNUAL
   URBANOPT 91812 Tracy,_CA
   POLLUTID DPM
   RUNORNOT NOT
   ERRORFIL "Tracy HRA Alt.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION TRACK22      AREAPOLY   638522.103  4177309.794       19.770
** DESCRSRC Track Segment
   LOCATION TRACK23      AREAPOLY   638522.103  4177309.794       19.770
** DESCRSRC Track Segment
   LOCATION TRACK24      AREAPOLY   638522.103  4177309.794       19.770
** DESCRSRC Track Segment
   LOCATION STNALT23     AREAPOLY   638926.451  4177432.079       19.170
** DESCRSRC Station Alternative
   LOCATION STNALT24     AREAPOLY   638926.451  4177432.079       19.170
** DESCRSRC Station Alternative
** Source Parameters **
   SRCPARAM TRACK22      5.2461E-08     3.000        33     0.700
   AREAVERT TRACK22      638522.103 4177309.794 638343.901 4177221.399
   AREAVERT TRACK22      638056.738 4177083.691 637703.350 4176902.854
   AREAVERT TRACK22      637321.818 4176712.694 636866.053 4176483.885
   AREAVERT TRACK22      636327.379 4176212.231 636323.054 4176252.436
   AREAVERT TRACK22      637151.119 4176671.325 637431.890 4176808.993
   AREAVERT TRACK22      637877.830 4177034.843 637948.893 4177069.885
   AREAVERT TRACK22      637948.207 4177112.612 638289.058 4177285.531
   AREAVERT TRACK22      638352.729 4177317.618 638409.552 4177295.332
   AREAVERT TRACK22      638496.675 4177338.005 638623.016 4177402.510
   AREAVERT TRACK22      638746.092 4177464.261 638904.557 4177541.844
   AREAVERT TRACK22      638991.989 4177583.390 639106.217 4177637.877
   AREAVERT TRACK22      639183.334 4177677.215 639308.090 4177739.591
   AREAVERT TRACK22      639390.702 4177781.567 639455.628 4177816.509
   AREAVERT TRACK22      639495.758 4177850.609 639516.384 4177883.608
   AREAVERT TRACK22      639514.901 4177810.898 639304.156 4177704.800
```

```
   AREAVERT TRACK22      639064.632 4177580.774 638931.713 4177509.892
   AREAVERT TRACK22      638712.912 4177401.804
   SRCPARAM TRACK23      5.1906E-08     3.000        33     0.700
   AREAVERT TRACK23      638522.103 4177309.794 638343.901 4177221.399
   AREAVERT TRACK23      638056.738 4177083.691 637703.350 4176902.854
   AREAVERT TRACK23      637321.818 4176712.694 636866.053 4176483.885
   AREAVERT TRACK23      636327.379 4176212.231 636323.054 4176252.436
   AREAVERT TRACK23      637151.119 4176671.325 637431.890 4176808.993
   AREAVERT TRACK23      637877.830 4177034.843 637948.893 4177069.885
   AREAVERT TRACK23      637948.207 4177112.612 638289.058 4177285.531
   AREAVERT TRACK23      638352.729 4177317.618 638409.552 4177295.332
   AREAVERT TRACK23      638496.675 4177338.005 638623.016 4177402.510
   AREAVERT TRACK23      638746.092 4177464.261 638904.557 4177541.844
   AREAVERT TRACK23      638991.989 4177583.390 639106.217 4177637.877
   AREAVERT TRACK23      639183.334 4177677.215 639308.090 4177739.591
   AREAVERT TRACK23      639390.702 4177781.567 639455.628 4177816.509
   AREAVERT TRACK23      639495.758 4177850.609 639516.384 4177883.608
   AREAVERT TRACK23      639514.901 4177810.898 639304.156 4177704.800
   AREAVERT TRACK23      639064.632 4177580.774 638931.713 4177509.892
   AREAVERT TRACK23      638712.912 4177401.804
   SRCPARAM TRACK24      4.1389E-11     3.000        33     0.700
   AREAVERT TRACK24      638522.103 4177309.794 638343.901 4177221.399
   AREAVERT TRACK24      638056.738 4177083.691 637703.350 4176902.854
   AREAVERT TRACK24      637321.818 4176712.694 636866.053 4176483.885
   AREAVERT TRACK24      636327.379 4176212.231 636323.054 4176252.436
   AREAVERT TRACK24      637151.119 4176671.325 637431.890 4176808.993
   AREAVERT TRACK24      637877.830 4177034.843 637948.893 4177069.885
   AREAVERT TRACK24      637948.207 4177112.612 638289.058 4177285.531
   AREAVERT TRACK24      638352.729 4177317.618 638409.552 4177295.332
   AREAVERT TRACK24      638496.675 4177338.005 638623.016 4177402.510
   AREAVERT TRACK24      638746.092 4177464.261 638904.557 4177541.844
   AREAVERT TRACK24      638991.989 4177583.390 639106.217 4177637.877
   AREAVERT TRACK24      639183.334 4177677.215 639308.090 4177739.591
   AREAVERT TRACK24      639390.702 4177781.567 639455.628 4177816.509
   AREAVERT TRACK24      639495.758 4177850.609 639516.384 4177883.608
   AREAVERT TRACK24      639514.901 4177810.898 639304.156 4177704.800
   AREAVERT TRACK24      639064.632 4177580.774 638931.713 4177509.892
   AREAVERT TRACK24      638712.912 4177401.804
   SRCPARAM STNALT23     9.6195E-09     3.000        16     0.700
   AREAVERT STNALT23     638926.451 4177432.079 638921.459 4177362.196
   AREAVERT STNALT23     638922.491 4177320.004 638924.196 4177250.605
   AREAVERT STNALT23     638893.399 4177259.693 638872.509 4177311.142
   AREAVERT STNALT23     638851.128 4177344.392 638836.953 4177362.991
   AREAVERT STNALT23     638820.388 4177370.513 638781.487 4177376.980
   AREAVERT STNALT23     638750.794 4177376.407 638717.945 4177376.517
   AREAVERT STNALT23     638717.271 4177401.213 639008.790 4177549.467
   AREAVERT STNALT23     638960.429 4177503.749 638931.190 4177448.482
   SRCPARAM STNALT24     2.1039E-09     3.000        16     0.700
   AREAVERT STNALT24     638926.451 4177432.079 638921.459 4177362.196
   AREAVERT STNALT24     638922.491 4177320.004 638924.196 4177250.605
   AREAVERT STNALT24     638893.399 4177259.693 638872.509 4177311.142
   AREAVERT STNALT24     638851.128 4177344.392 638836.953 4177362.991
   AREAVERT STNALT24     638820.388 4177370.513 638781.487 4177376.980
   AREAVERT STNALT24     638750.794 4177376.407 638717.945 4177376.517
   AREAVERT STNALT24     638717.271 4177401.213 639008.790 4177549.467
   AREAVERT STNALT24     638960.429 4177503.749 638931.190 4177448.482
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Seven Days (HRDOW7)"
** Variable Emission Scenario: "Construction"
   EMISFACT TRACK22      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK22      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK22      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT TRACK22      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT TRACK22      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT TRACK22      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT TRACK22      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT TRACK22      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT TRACK22      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT TRACK22      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT TRACK22      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT TRACK22      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT TRACK22      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT TRACK22      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT TRACK22      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT TRACK22      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT TRACK22      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT TRACK22      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT TRACK23      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT TRACK23      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT TRACK23      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT TRACK23      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT TRACK23      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT TRACK23      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT TRACK23      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT TRACK23      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT TRACK23      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT TRACK23      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT TRACK23      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT TRACK23      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT TRACK23      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT TRACK23      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT TRACK23      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT TRACK23      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT TRACK23      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT TRACK23      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT TRACK24      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT TRACK24      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT TRACK24      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT TRACK24      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT TRACK24      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT TRACK24      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT TRACK24      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT TRACK24      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT TRACK24      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT TRACK24      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT TRACK24      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT TRACK24      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT TRACK24      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT TRACK24      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT TRACK24      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT TRACK24      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT TRACK24      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT TRACK24      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT STNALT23     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT STNALT23     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT STNALT23     HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT STNALT23     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STNALT23     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STNALT23     HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STNALT23     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STNALT23     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STNALT23     HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STNALT23     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STNALT23     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STNALT23     HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STNALT23     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STNALT23     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STNALT23     HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STNALT23     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STNALT23     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STNALT23     HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STNALT24     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STNALT24     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STNALT24     HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STNALT24     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STNALT24     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STNALT24     HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STNALT24     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STNALT24     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STNALT24     HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STNALT24     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STNALT24     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STNALT24     HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STNALT24     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STNALT24     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STNALT24     HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STNALT24     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STNALT24     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STNALT24     HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP 0-2A     TRACK22 TRACK23 STNALT23
   SRCGROUP 2-9A     TRACK24 STNALT24
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "Tracy HRA Alt.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE "C:\Users\19098\Desktop\Local Emissions Analysis\Tracy_2004-2008.SFC"
   PROFFILE "C:\Users\19098\Desktop\Local Emissions Analysis\Tracy_2004-2008.PFL"
   SURFDATA 99008 2004
   UAIRDATA 66666 2004
   PROFBASE 158.0 METERS
```

```
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE ANNUAL 0-2A "TRACY HRA ALT.AD\AN00G001.PLT" 31
   PLOTFILE ANNUAL 2-9A "TRACY HRA ALT.AD\AN00G002.PLT" 32
   SUMMFILE "Tracy HRA Alt.sum"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W187     253       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

 **********************************
 *** SETUP Finishes Successfully ***
 **********************************
```

```
                                                ***     MODEL SETUP OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for     5 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =     91812.0 ;  Urban Roughness Length =  1.000 m

 **Model Allows User-Specified Options:
         1. Stack-tip Downwash.
         2. Model Accounts for ELEVated Terrain Effects.
         3. Use Calms Processing Routine.
         4. Use Missing Data Processing Routine.
         5. No Exponential Decay.
         6. Urban Roughness Length of 1.0 Meter Used.

 **Other Options Specified:
         FASTAREA - Use hybrid approach to optimize AREA sources;
                    also applies to LINE sources (formerly TOXICS option)
         ADJ_U*   - Use ADJ_U* option for SBL in AERMET
         CCVR_Sub - Meteorological data includes CCVR substitutions
         TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Assumes No FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  DPM

 **Model Calculates ANNUAL Averages Only

 **This Run Includes:      5 Source(s);       2 Source Group(s); and    2957 Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:      0 VOLUME source(s)
                 and:      5 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with      0 line(s)


 **Model Will NOT Run After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  18081

 **Output Options Selected:
          Model Outputs Tables of ANNUAL Averages by Receptor
```

Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 158.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.9 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: Tracy HRA Alt.err
**File for Summary of Results: Tracy HRA Alt.sum

 *** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	SZ INIT. (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
TRACK22	0	0.52461E-07	638522.1	4177309.8	19.8	3.00	33	0.70	YES	HRDOW7
TRACK23	0	0.51906E-07	638522.1	4177309.8	19.8	3.00	33	0.70	YES	HRDOW7
TRACK24	0	0.41389E-10	638522.1	4177309.8	19.8	3.00	33	0.70	YES	HRDOW7
STNALT23	0	0.96195E-08	638926.5	4177432.1	19.2	3.00	16	0.70	YES	HRDOW7
STNALT24	0	0.21039E-08	638926.5	4177432.1	19.2	3.00	16	0.70	YES	HRDOW7

 *** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
0-2A	TRACK22 , TRACK23 , STNALT23 ,
2-9A	TRACK24 , STNALT24 ,

 *** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	91812.	TRACK22 , TRACK23 , TRACK24 , STNALT23 , STNALT24 ,

 *** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

 SOURCE ID = TRACK22   ; SOURCE TYPE = AREAPOLY :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                DAY OF WEEK = MONDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = TUESDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = WEDNESDY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = THURSDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = FRIDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01

17 .1000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

 *** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

 SOURCE ID = TRACK23   ; SOURCE TYPE = AREAPOLY :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                DAY OF WEEK = MONDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = TUESDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = WEDNESDY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = THURSDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = FRIDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01

17 .1000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = TRACK24 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = MONDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = TUESDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = WEDNESDY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = THURSDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = FRIDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01

17 .1000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = STNALT23 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = MONDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = TUESDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = WEDNESDY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = THURSDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = FRIDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01										

17 .1000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = STNALT24 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = MONDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = TUESDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = WEDNESDY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = THURSDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = FRIDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01										

17 .1000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638946.5, 4177362.8, 19.3, 19.3, 0.0); (638947.5, 4177320.6, 19.4, 19.4, 0.0);
(638971.4, 4177363.4, 19.4, 19.4, 0.0); (638972.5, 4177321.2, 19.3, 19.3, 0.0);
(638996.4, 4177364.0, 19.4, 19.4, 0.0); (638997.5, 4177321.8, 19.4, 19.4, 0.0);
(639021.4, 4177364.6, 19.4, 19.4, 0.0); (639022.5, 4177322.4, 19.5, 19.5, 0.0);
(638948.1, 4177297.5, 19.4, 19.4, 0.0); (638948.6, 4177274.3, 19.5, 19.5, 0.0);
(638949.2, 4177251.2, 19.6, 19.6, 0.0); (638973.0, 4177298.1, 19.4, 19.4, 0.0);
(638973.6, 4177275.0, 19.6, 19.6, 0.0); (638974.2, 4177251.8, 19.7, 19.7, 0.0);
(638998.0, 4177298.7, 19.5, 19.5, 0.0); (638998.6, 4177275.6, 19.6, 19.6, 0.0);
(638999.2, 4177252.4, 19.7, 19.7, 0.0); (639023.0, 4177299.3, 19.6, 19.6, 0.0);
(639023.6, 4177276.2, 19.6, 19.6, 0.0); (639024.2, 4177253.1, 19.5, 19.5, 0.0);
(638928.3, 4177228.7, 19.8, 19.8, 0.0); (638901.7, 4177231.2, 19.7, 19.7, 0.0);
(638924.9, 4177205.4, 19.8, 19.8, 0.0); (638961.1, 4177224.6, 19.8, 19.8, 0.0);
(638894.7, 4177207.2, 19.7, 19.7, 0.0); (638916.3, 4177181.2, 20.0, 20.0, 0.0);
(638943.1, 4177186.1, 20.0, 20.0, 0.0); (638975.7, 4177203.4, 19.9, 19.9, 0.0);
(638987.4, 4177227.9, 19.8, 19.8, 0.0); (638887.6, 4177183.2, 19.9, 19.9, 0.0);
(638910.8, 4177157.4, 20.1, 20.1, 0.0); (638940.5, 4177163.0, 20.1, 20.1, 0.0);
(638970.2, 4177168.5, 20.2, 20.2, 0.0); (638991.6, 4177184.9, 19.9, 19.9, 0.0);
(639004.6, 4177212.2, 19.8, 19.8, 0.0); (638880.5, 4177159.2, 20.2, 20.2, 0.0);
(638878.3, 4177243.0, 19.6, 19.6, 0.0); (638863.3, 4177267.4, 19.5, 19.5, 0.0);
(638849.4, 4177301.7, 19.3, 19.3, 0.0); (638857.8, 4177231.2, 19.7, 19.7, 0.0);
(638840.1, 4177258.0, 19.5, 19.5, 0.0); (638826.2, 4177292.3, 19.4, 19.4, 0.0);
(638836.0, 4177220.5, 19.6, 19.6, 0.0); (638860.1, 4177198.7, 19.8, 19.8, 0.0);
(638816.9, 4177248.6, 19.5, 19.5, 0.0); (638803.0, 4177282.9, 19.4, 19.4, 0.0);
(638813.6, 4177210.4, 19.7, 19.7, 0.0); (638839.4, 4177187.1, 19.6, 19.6, 0.0);
(638793.8, 4177239.2, 19.5, 19.5, 0.0); (638779.9, 4177273.5, 19.4, 19.4, 0.0);
(638830.1, 4177330.9, 19.3, 19.3, 0.0); (638809.1,

```
4177317.3,      19.2,      19.2,       0.0);
     ( 638788.0, 4177303.8,      19.2,      19.2,       0.0);         ( 638757.4,
4177302.4,      19.4,      19.4,       0.0);
     ( 638810.1, 4177347.8,      19.2,      19.2,       0.0);         ( 638777.4,
4177352.3,      19.2,      19.2,       0.0);
     ( 638773.3, 4177327.7,      18.9,      18.9,       0.0);         ( 638751.3,
4177351.4,      19.2,      19.2,       0.0);
     ( 638752.7, 4177276.4,      19.4,      19.4,       0.0);         ( 638717.9,
4177351.5,      19.2,      19.2,       0.0);
     ( 638750.6, 4177326.4,      19.2,      19.2,       0.0);         ( 638717.8,
4177326.5,      19.2,      19.2,       0.0);
     ( 638734.1, 4177301.5,      19.4,      19.4,       0.0);         ( 638717.6,
4177276.5,      19.4,      19.4,       0.0);
     ( 638693.0, 4177375.8,      19.1,      19.1,       0.0);         ( 638675.5,
4177357.9,      19.3,      19.3,       0.0);
     ( 638650.5, 4177357.3,      19.2,      19.2,       0.0);         ( 638682.9,
4177315.7,      19.2,      19.2,       0.0);
     ( 638625.5, 4177356.6,      19.3,      19.3,       0.0);         ( 638640.6,
4177322.2,      19.4,      19.4,       0.0);
     ( 638665.5, 4177297.8,      19.8,      19.8,       0.0);         ( 638684.5,
4177436.3,      19.1,      19.1,       0.0);
     ( 638715.4, 4177456.4,      19.2,      19.2,       0.0);         ( 638736.2,
4177467.0,      19.1,      19.1,       0.0);
     ( 638757.1, 4177477.5,      18.8,      18.8,       0.0);         ( 638777.9,
4177488.1,      18.8,      18.8,       0.0);
     ( 638798.7, 4177498.7,      18.6,      18.6,       0.0);         ( 638819.5,
4177509.3,      18.6,      18.6,       0.0);
     ( 638840.4, 4177519.9,      18.5,      18.5,       0.0);         ( 638861.2,
4177530.5,      18.5,      18.5,       0.0);
     ( 638882.0, 4177541.1,      18.5,      18.5,       0.0);         ( 638902.8,
4177551.7,      18.5,      18.5,       0.0);
     ( 638923.7, 4177562.3,      18.4,      18.4,       0.0);         ( 638944.5,
4177572.9,      18.5,      18.5,       0.0);
     ( 638965.3, 4177583.4,      18.6,      18.6,       0.0);         ( 638986.1,
4177594.0,      18.5,      18.5,       0.0);
     ( 638668.0, 4177453.8,      18.9,      18.9,       0.0);         ( 638704.1,
4177478.6,      18.8,      18.8,       0.0);
     ( 638724.9, 4177489.2,      19.1,      19.1,       0.0);         ( 638745.7,
4177499.8,      19.1,      19.1,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638766.6, 4177510.4, 19.1, 19.1, 0.0); (638787.4, 4177521.0, 18.9, 18.9, 0.0);
(638808.2, 4177531.6, 18.7, 18.7, 0.0); (638829.0, 4177542.2, 18.3, 18.3, 0.0);
(638849.9, 4177552.8, 18.2, 18.2, 0.0); (638870.7, 4177563.4, 18.2, 18.2, 0.0);
(638891.5, 4177574.0, 18.1, 18.1, 0.0); (638912.3, 4177584.5, 18.0, 18.0, 0.0);
(638933.2, 4177595.1, 17.9, 17.9, 0.0); (638954.0, 4177605.7, 17.8, 17.8, 0.0);
(638974.8, 4177616.3, 17.8, 17.8, 0.0); (638658.4, 4177477.7, 18.6, 18.6, 0.0);
(638626.7, 4177434.4, 18.8, 18.8, 0.0); (638692.8, 4177500.9, 18.7, 18.7, 0.0);
(638713.6, 4177511.5, 19.0, 19.0, 0.0); (638734.4, 4177522.1, 18.9, 18.9, 0.0);
(638755.2, 4177532.7, 18.7, 18.7, 0.0); (638776.1, 4177543.3, 18.5, 18.5, 0.0);
(638796.9, 4177553.9, 18.4, 18.4, 0.0); (638817.7, 4177564.5, 18.1, 18.1, 0.0);
(638838.5, 4177575.1, 18.0, 18.0, 0.0); (638859.4, 4177585.6, 18.0, 18.0, 0.0);
(638880.2, 4177596.2, 17.9, 17.9, 0.0); (638901.0, 4177606.8, 17.9, 17.9, 0.0);
(638921.8, 4177617.4, 17.9, 17.9, 0.0); (638942.6, 4177628.0, 17.8, 17.8, 0.0);
(638963.5, 4177638.6, 17.7, 17.7, 0.0); (639027.6, 4177547.6, 18.6, 18.6, 0.0);
(639009.8, 4177516.1, 18.7, 18.7, 0.0); (638977.6, 4177485.6, 18.8, 18.8, 0.0);
(639043.1, 4177513.1, 18.6, 18.6, 0.0); (639010.9, 4177482.6, 18.7, 18.7, 0.0);
(639064.2, 4177534.0, 18.6, 18.6, 0.0); (639068.1, 4177573.1, 18.5, 18.5, 0.0);
(639012.9, 4177606.9, 18.2, 18.2, 0.0); (639060.3, 4177495.0, 18.6, 18.6, 0.0);
(639028.1, 4177464.5, 18.8, 18.8, 0.0); (639088.4, 4177585.4, 18.5, 18.5, 0.0);
(639077.5, 4177476.8, 18.8, 18.8, 0.0); (639045.2, 4177446.3, 19.0, 19.0, 0.0);
(638963.0, 4177455.2, 18.9, 18.9, 0.0); (638994.9, 4177461.9, 18.8, 18.8, 0.0);
(638975.4, 4177425.1, 19.3, 19.3, 0.0); (639007.2, 4177431.8, 19.2, 19.2, 0.0);
(639029.3, 4177420.1, 19.4, 19.4, 0.0); (638950.5, 4177425.1, 19.2, 19.2, 0.0);
(638999.6, 4177403.4, 19.2, 19.2, 0.0); (638522.1, 4177309.8, 19.8, 19.8, 0.0);
(638343.9, 4177221.4, 20.4, 20.4, 0.0); (638056.7, 4177083.7, 21.2, 21.2, 0.0);
(637703.4, 4176902.8, 20.4, 20.4, 0.0); (637321.8,

```
4176712.7,      20.8,      20.8,       0.0);
     ( 636866.1, 4176483.9,      20.4,      20.4,       0.0);         ( 636327.4,
4176212.2,      21.7,      21.7,       0.0);
     ( 636323.1, 4176252.4,      21.5,      21.5,       0.0);         ( 637151.1,
4176671.3,      20.8,      22.0,       0.0);
     ( 637431.9, 4176809.0,      20.9,      20.9,       0.0);         ( 637877.8,
4177034.8,      20.3,      20.3,       0.0);
     ( 637948.9, 4177069.9,      21.1,      21.1,       0.0);         ( 637948.2,
4177112.6,      20.5,      20.5,       0.0);
     ( 638289.1, 4177285.5,      20.0,      20.0,       0.0);         ( 638352.7,
4177317.6,      19.7,      19.7,       0.0);
     ( 638409.6, 4177295.3,      20.0,      20.0,       0.0);         ( 638496.7,
4177338.0,      19.6,      19.6,       0.0);
     ( 638623.0, 4177402.5,      19.1,      19.1,       0.0);         ( 638746.1,
4177464.3,      19.0,      19.0,       0.0);
     ( 638904.6, 4177541.8,      18.6,      18.6,       0.0);         ( 638992.0,
4177583.4,      18.7,      18.7,       0.0);
     ( 639106.2, 4177637.9,      18.5,      18.5,       0.0);         ( 639183.3,
4177677.2,      18.2,      18.2,       0.0);
     ( 639308.1, 4177739.6,      17.9,      17.9,       0.0);         ( 639390.7,
4177781.6,      17.6,      17.6,       0.0);
     ( 639455.6, 4177816.5,      17.3,      17.3,       0.0);         ( 639495.8,
4177850.6,      17.2,      17.2,       0.0);
     ( 639514.9, 4177810.9,      17.7,      17.7,       0.0);         ( 639304.2,
4177704.8,      18.1,      18.1,       0.0);
     ( 639064.6, 4177580.8,      18.6,      18.6,       0.0);         ( 638712.9,
4177401.8,      19.3,      19.3,       0.0);
     ( 638499.8, 4177298.7,      19.9,      19.9,       0.0);         ( 638477.6,
4177287.7,      19.9,      19.9,       0.0);
     ( 638455.3, 4177276.6,      20.0,      20.0,       0.0);         ( 638433.0,
4177265.6,      20.1,      20.1,       0.0);
     ( 638410.7, 4177254.5,      20.2,      20.2,       0.0);         ( 638388.5,
4177243.5,      20.3,      20.3,       0.0);
     ( 638366.2, 4177232.4,      20.3,      20.3,       0.0);         ( 638321.8,
4177210.8,      20.4,      20.4,       0.0);
     ( 638299.7, 4177200.2,      20.5,      20.5,       0.0);         ( 638277.6,
4177189.6,      20.6,      20.6,       0.0);
     ( 638255.5, 4177179.0,      20.7,      20.7,       0.0);         ( 638233.5,
4177168.4,      20.8,      20.8,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638211.4, 4177157.8, 20.8, 20.8, 0.0); (638189.3, 4177147.2, 20.9, 20.9, 0.0);
(638167.2, 4177136.7, 20.9, 20.9, 0.0); (638145.1, 4177126.1, 20.9, 20.9, 0.0);
(638123.0, 4177115.5, 21.0, 21.0, 0.0); (638100.9, 4177104.9, 21.0, 21.0, 0.0);
(638078.8, 4177094.3, 21.1, 21.1, 0.0); (638034.7, 4177072.4, 21.2, 21.2, 0.0);
(638012.6, 4177061.1, 21.2, 21.2, 0.0); (637990.5, 4177049.8, 21.2, 21.2, 0.0);
(637968.4, 4177038.5, 21.3, 21.3, 0.0); (637946.3, 4177027.2, 21.7, 21.7, 0.0);
(637924.2, 4177015.9, 21.8, 21.8, 0.0); (637902.1, 4177004.6, 20.9, 20.9, 0.0);
(637880.0, 4176993.3, 20.8, 20.8, 0.0); (637858.0, 4176982.0, 20.9, 20.9, 0.0);
(637835.9, 4176970.7, 20.7, 20.7, 0.0); (637813.8, 4176959.4, 20.6, 20.6, 0.0);
(637791.7, 4176948.1, 20.6, 20.6, 0.0); (637769.6, 4176936.8, 20.6, 20.6, 0.0);
(637747.5, 4176925.5, 20.5, 20.5, 0.0); (637725.4, 4176914.2, 20.4, 20.4, 0.0);
(637682.2, 4176892.3, 20.4, 20.4, 0.0); (637661.0, 4176881.7, 20.4, 20.4, 0.0);
(637639.8, 4176871.2, 20.4, 20.4, 0.0); (637618.6, 4176860.6, 20.4, 20.4, 0.0);
(637597.4, 4176850.0, 20.5, 20.5, 0.0); (637576.2, 4176839.5, 20.6, 20.6, 0.0);
(637555.0, 4176828.9, 20.7, 20.7, 0.0); (637533.8, 4176818.3, 20.8, 20.8, 0.0);
(637512.6, 4176807.8, 20.9, 20.9, 0.0); (637491.4, 4176797.2, 21.0, 21.0, 0.0);
(637470.2, 4176786.6, 21.1, 21.1, 0.0); (637449.0, 4176776.1, 21.3, 21.3, 0.0);
(637427.8, 4176765.5, 21.4, 21.4, 0.0); (637406.6, 4176754.9, 21.6, 21.6, 0.0);
(637385.4, 4176744.4, 21.4, 21.4, 0.0); (637364.2, 4176733.8, 21.2, 21.2, 0.0);
(637343.0, 4176723.3, 20.9, 20.9, 0.0); (637300.1, 4176701.8, 20.8, 20.8, 0.0);
(637278.4, 4176690.9, 20.8, 20.8, 0.0); (637256.7, 4176680.0, 20.8, 20.8, 0.0);
(637235.0, 4176669.1, 20.8, 20.8, 0.0); (637213.3, 4176658.2, 20.5, 22.3, 0.0);
(637191.6, 4176647.3, 22.4, 22.4, 0.0); (637169.9, 4176636.4, 21.5, 21.5, 0.0);
(637148.2, 4176625.5, 20.9, 20.9, 0.0); (637126.5, 4176614.6, 20.6, 20.6, 0.0);
(637104.8, 4176603.7, 20.2, 20.2, 0.0); (637083.1, 4176592.8, 20.2, 20.2, 0.0);
(637061.4, 4176581.9, 20.3, 20.3, 0.0); (637039.7,

```
4176571.0,      20.3,      20.3,       0.0);
     ( 637018.0, 4176560.1,      20.4,      20.4,       0.0);         ( 636996.3,
4176549.3,      20.4,      20.4,       0.0);
     ( 636974.6, 4176538.4,      20.5,      20.5,       0.0);         ( 636952.9,
4176527.5,      20.4,      20.4,       0.0);
     ( 636931.2, 4176516.6,      20.4,      20.4,       0.0);         ( 636909.5,
4176505.7,      20.4,      20.4,       0.0);
     ( 636887.8, 4176494.8,      20.4,      20.4,       0.0);         ( 636844.5,
4176473.0,      20.4,      20.4,       0.0);
     ( 636823.0, 4176462.1,      20.5,      20.5,       0.0);         ( 636801.4,
4176451.3,      20.5,      20.5,       0.0);
     ( 636779.9, 4176440.4,      20.5,      20.5,       0.0);         ( 636758.3,
4176429.5,      20.6,      20.6,       0.0);
     ( 636736.8, 4176418.7,      20.5,      20.5,       0.0);         ( 636715.2,
4176407.8,      20.6,      20.6,       0.0);
     ( 636693.7, 4176397.0,      20.5,      20.5,       0.0);         ( 636672.1,
4176386.1,      20.5,      20.5,       0.0);
     ( 636650.6, 4176375.2,      20.5,      20.5,       0.0);         ( 636629.0,
4176364.4,      20.5,      20.5,       0.0);
     ( 636607.5, 4176353.5,      20.5,      20.5,       0.0);         ( 636585.9,
4176342.6,      20.5,      20.5,       0.0);
     ( 636564.4, 4176331.8,      20.5,      20.5,       0.0);         ( 636542.9,
4176320.9,      20.6,      20.6,       0.0);
     ( 636521.3, 4176310.0,      20.6,      20.6,       0.0);         ( 636499.8,
4176299.2,      20.6,      20.6,       0.0);
     ( 636478.2, 4176288.3,      20.6,      20.6,       0.0);         ( 636456.7,
4176277.4,      20.7,      20.7,       0.0);
     ( 636435.1, 4176266.6,      20.7,      20.7,       0.0);         ( 636413.6,
4176255.7,      20.8,      20.8,       0.0);
     ( 636392.0, 4176244.8,      20.8,      20.8,       0.0);         ( 636370.5,
4176234.0,      20.9,      20.9,       0.0);
     ( 636348.9, 4176223.1,      21.5,      21.5,       0.0);         ( 636344.9,
4176263.5,      21.3,      21.3,       0.0);
     ( 636366.6, 4176274.5,      20.7,      20.7,       0.0);         ( 636388.4,
4176285.5,      20.5,      20.5,       0.0);
     ( 636410.2, 4176296.5,      20.5,      20.5,       0.0);         ( 636432.0,
4176307.5,      20.4,      20.4,       0.0);
     ( 636453.8, 4176318.6,      20.4,      20.4,       0.0);         ( 636475.6,
4176329.6,      20.3,      20.3,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(636497.4, 4176340.6, 20.4, 20.4, 0.0); (636519.2, 4176351.6, 20.4, 20.4, 0.0);
(636541.0, 4176362.7, 20.4, 20.4, 0.0); (636562.8, 4176373.7, 20.3, 20.3, 0.0);
(636584.6, 4176384.7, 20.4, 20.4, 0.0); (636606.3, 4176395.7, 20.4, 20.4, 0.0);
(636628.1, 4176406.8, 20.4, 20.4, 0.0); (636649.9, 4176417.8, 20.3, 20.3, 0.0);
(636671.7, 4176428.8, 20.4, 20.4, 0.0); (636693.5, 4176439.8, 20.3, 20.3, 0.0);
(636715.3, 4176450.9, 20.2, 20.2, 0.0); (636737.1, 4176461.9, 20.1, 20.1, 0.0);
(636758.9, 4176472.9, 19.9, 19.9, 0.0); (636780.7, 4176483.9, 19.9, 19.9, 0.0);
(636802.5, 4176494.9, 20.2, 20.2, 0.0); (636824.2, 4176506.0, 20.1, 20.1, 0.0);
(636846.0, 4176517.0, 20.1, 20.1, 0.0); (636867.8, 4176528.0, 20.2, 20.2, 0.0);
(636889.6, 4176539.0, 20.2, 20.2, 0.0); (636911.4, 4176550.1, 20.2, 20.2, 0.0);
(636933.2, 4176561.1, 20.2, 20.2, 0.0); (636955.0, 4176572.1, 20.3, 20.3, 0.0);
(636976.8, 4176583.1, 20.2, 20.2, 0.0); (636998.6, 4176594.2, 20.6, 20.6, 0.0);
(637020.4, 4176605.2, 20.8, 20.8, 0.0); (637042.2, 4176616.2, 20.6, 20.6, 0.0);
(637064.0, 4176627.2, 20.7, 20.7, 0.0); (637085.8, 4176638.2, 20.6, 20.6, 0.0);
(637107.5, 4176649.3, 20.6, 20.6, 0.0); (637129.3, 4176660.3, 20.7, 20.7, 0.0);
(637172.7, 4176681.9, 22.2, 22.2, 0.0); (637194.3, 4176692.5, 19.6, 22.4, 0.0);
(637215.9, 4176703.1, 20.1, 20.1, 0.0); (637237.5, 4176713.7, 20.4, 20.4, 0.0);
(637259.1, 4176724.3, 20.6, 20.6, 0.0); (637280.7, 4176734.9, 21.2, 21.2, 0.0);
(637302.3, 4176745.4, 21.3, 21.3, 0.0); (637323.9, 4176756.0, 21.3, 21.3, 0.0);
(637345.5, 4176766.6, 20.7, 20.7, 0.0); (637367.1, 4176777.2, 20.8, 20.8, 0.0);
(637388.7, 4176787.8, 20.8, 20.8, 0.0); (637410.3, 4176798.4, 20.9, 20.9, 0.0);
(637454.2, 4176820.3, 20.8, 20.8, 0.0); (637476.5, 4176831.6, 20.9, 20.9, 0.0);
(637498.8, 4176842.9, 20.7, 20.7, 0.0); (637521.1, 4176854.2, 20.6, 20.6, 0.0);
(637543.4, 4176865.5, 20.6, 20.6, 0.0); (637565.7, 4176876.8, 20.5, 20.5, 0.0);
(637588.0, 4176888.0, 20.6, 20.6, 0.0); (637610.3, 4176899.3, 20.6, 20.6, 0.0);
(637632.6, 4176910.6, 20.4, 20.4, 0.0); (637654.9,

```
4176921.9,      20.4,      20.4,       0.0);
     ( 637677.2, 4176933.2,      20.3,      20.3,       0.0);         ( 637699.5,
4176944.5,      20.4,      20.4,       0.0);
     ( 637721.8, 4176955.8,      20.4,      20.4,       0.0);         ( 637744.1,
4176967.1,      20.3,      20.3,       0.0);
     ( 637766.3, 4176978.4,      20.4,      20.4,       0.0);         ( 637788.6,
4176989.7,      20.4,      20.4,       0.0);
     ( 637810.9, 4177001.0,      20.4,      20.4,       0.0);         ( 637833.2,
4177012.3,      20.4,      20.4,       0.0);
     ( 637855.5, 4177023.5,      20.4,      20.4,       0.0);         ( 637895.6,
4177043.6,      20.4,      20.4,       0.0);
     ( 637913.4, 4177052.4,      20.9,      20.9,       0.0);         ( 637931.1,
4177061.1,      21.7,      21.7,       0.0);
     ( 637948.6, 4177091.2,      20.7,      20.7,       0.0);         ( 637969.5,
4177123.4,      20.1,      20.1,       0.0);
     ( 637990.8, 4177134.2,      20.0,      20.0,       0.0);         ( 638012.1,
4177145.0,      20.0,      20.0,       0.0);
     ( 638033.4, 4177155.8,      20.1,      20.1,       0.0);         ( 638054.7,
4177166.6,      20.1,      20.1,       0.0);
     ( 638076.0, 4177177.5,      20.1,      20.1,       0.0);         ( 638097.3,
4177188.3,      20.1,      20.1,       0.0);
     ( 638118.6, 4177199.1,      20.1,      20.1,       0.0);         ( 638139.9,
4177209.9,      20.1,      20.1,       0.0);
     ( 638161.2, 4177220.7,      20.0,      20.0,       0.0);         ( 638182.5,
4177231.5,      20.1,      20.1,       0.0);
     ( 638203.9, 4177242.3,      20.1,      20.1,       0.0);         ( 638225.2,
4177253.1,      20.1,      20.1,       0.0);
     ( 638246.5, 4177263.9,      20.1,      20.1,       0.0);         ( 638267.8,
4177274.7,      20.0,      20.0,       0.0);
     ( 638310.3, 4177296.2,      20.0,      20.0,       0.0);         ( 638331.5,
4177306.9,      20.0,      20.0,       0.0);
     ( 638371.7, 4177310.2,      19.6,      19.6,       0.0);         ( 638390.6,
4177302.8,      19.8,      19.8,       0.0);
     ( 638431.3, 4177306.0,      19.9,      19.9,       0.0);         ( 638453.1,
4177316.7,      19.9,      19.9,       0.0);
     ( 638474.9, 4177327.3,      19.8,      19.8,       0.0);         ( 638517.7,
4177348.8,      19.4,      19.4,       0.0);
     ( 638538.8, 4177359.5,      19.4,      19.4,       0.0);         ( 638559.9,
4177370.3,      19.3,      19.3,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638580.9, 4177381.0, 19.2, 19.2, 0.0); (638602.0, 4177391.8, 19.1, 19.1, 0.0);
(638643.5, 4177412.8, 19.0, 19.0, 0.0); (638664.0, 4177423.1, 19.1, 19.1, 0.0);
(638684.6, 4177433.4, 19.1, 19.1, 0.0); (638705.1, 4177443.7, 19.1, 19.1, 0.0);
(638725.6, 4177454.0, 19.3, 19.3, 0.0); (638765.9, 4177474.0, 18.8, 18.8, 0.0);
(638785.7, 4177483.7, 18.8, 18.8, 0.0); (638805.5, 4177493.3, 18.6, 18.6, 0.0);
(638825.3, 4177503.0, 18.7, 18.7, 0.0); (638845.1, 4177512.8, 18.7, 18.7, 0.0);
(638864.9, 4177522.4, 18.7, 18.7, 0.0); (638884.8, 4177532.1, 18.7, 18.7, 0.0);
(638926.4, 4177552.2, 18.6, 18.6, 0.0); (638948.3, 4177562.6, 18.6, 18.6, 0.0);
(638970.1, 4177573.0, 18.7, 18.7, 0.0); (639011.0, 4177592.5, 18.6, 18.6, 0.0);
(639030.1, 4177601.5, 18.6, 18.6, 0.0); (639049.1, 4177610.6, 18.6, 18.6, 0.0);
(639068.1, 4177619.7, 18.5, 18.5, 0.0); (639087.2, 4177628.8, 18.5, 18.5, 0.0);
(639125.5, 4177647.7, 18.4, 18.4, 0.0); (639144.8, 4177657.5, 18.3, 18.3, 0.0);
(639164.1, 4177667.4, 18.3, 18.3, 0.0); (639204.1, 4177687.6, 18.2, 18.2, 0.0);
(639224.9, 4177698.0, 18.1, 18.1, 0.0); (639245.7, 4177708.4, 18.1, 18.1, 0.0);
(639266.5, 4177718.8, 18.0, 18.0, 0.0); (639287.3, 4177729.2, 17.9, 17.9, 0.0);
(639328.7, 4177750.1, 17.8, 17.8, 0.0); (639349.4, 4177760.6, 17.7, 17.7, 0.0);
(639370.1, 4177771.1, 17.6, 17.6, 0.0); (639412.3, 4177793.2, 17.5, 17.5, 0.0);
(639434.0, 4177804.9, 17.3, 17.3, 0.0); (639469.0, 4177827.9, 17.1, 17.1, 0.0);
(639482.4, 4177839.2, 17.0, 17.0, 0.0); (639506.1, 4177867.1, 17.1, 17.1, 0.0);
(639493.8, 4177800.3, 17.7, 17.7, 0.0); (639472.8, 4177789.7, 17.6, 17.6, 0.0);
(639451.7, 4177779.1, 17.4, 17.4, 0.0); (639430.6, 4177768.5, 17.8, 17.8, 0.0);
(639409.5, 4177757.8, 17.8, 17.8, 0.0); (639388.5, 4177747.2, 17.9, 17.9, 0.0);
(639367.4, 4177736.6, 17.9, 17.9, 0.0); (639346.3, 4177726.0, 17.9, 17.9, 0.0);
(639325.2, 4177715.4, 18.1, 18.1, 0.0); (639282.4, 4177693.5, 18.1, 18.1, 0.0);
(639260.6, 4177682.2, 18.1, 18.1, 0.0); (639238.8, 4177671.0, 18.2, 18.2, 0.0);
(639217.1, 4177659.7, 18.3, 18.3, 0.0); (639195.3,

```
4177648.4,      18.4,      18.4,       0.0);
     ( 639173.5, 4177637.1,      18.4,      18.4,       0.0);         ( 639151.7,
4177625.9,      18.4,      18.4,       0.0);
     ( 639130.0, 4177614.6,      18.5,      18.5,       0.0);         ( 639108.2,
4177603.3,      18.5,      18.5,       0.0);
     ( 639086.4, 4177592.0,      18.6,      18.6,       0.0);         ( 639045.6,
4177570.6,      18.6,      18.6,       0.0);
     ( 639026.7, 4177560.5,      18.5,      18.5,       0.0);         ( 638691.7,
4177391.6,      19.4,      19.4,       0.0);
     ( 638670.5, 4177381.4,      19.4,      19.4,       0.0);         ( 638649.3,
4177371.1,      19.3,      19.3,       0.0);
     ( 638628.1, 4177360.9,      19.3,      19.3,       0.0);         ( 638606.9,
4177350.7,      19.4,      19.4,       0.0);
     ( 638585.7, 4177340.5,      19.4,      19.4,       0.0);         ( 638564.5,
4177330.2,      19.6,      19.6,       0.0);
     ( 638543.3, 4177320.0,      19.7,      19.7,       0.0);         ( 638926.5,
4177432.1,      19.2,      19.2,       0.0);
     ( 638921.5, 4177362.2,      19.3,      19.3,       0.0);         ( 638922.5,
4177320.0,      19.3,      19.3,       0.0);
     ( 638924.2, 4177250.6,      19.5,      19.5,       0.0);         ( 638893.4,
4177259.7,      19.5,      19.5,       0.0);
     ( 638872.5, 4177311.1,      19.2,      19.2,       0.0);         ( 638851.1,
4177344.4,      19.2,      19.2,       0.0);
     ( 638837.0, 4177363.0,      19.2,      19.2,       0.0);         ( 638820.4,
4177370.5,      19.3,      19.3,       0.0);
     ( 638781.5, 4177377.0,      19.1,      19.1,       0.0);         ( 638750.8,
4177376.4,      19.1,      19.1,       0.0);
     ( 638718.0, 4177376.5,      19.1,      19.1,       0.0);         ( 639008.8,
4177549.5,      18.6,      18.6,       0.0);
     ( 638960.4, 4177503.8,      18.7,      18.7,       0.0);         ( 638931.2,
4177448.5,      19.1,      19.1,       0.0);
     ( 638924.8, 4177408.8,      19.2,      19.2,       0.0);         ( 638923.1,
4177385.5,      19.3,      19.3,       0.0);
     ( 638922.0, 4177341.1,      19.4,      19.4,       0.0);         ( 638923.1,
4177296.9,      19.3,      19.3,       0.0);
     ( 638923.6, 4177273.7,      19.4,      19.4,       0.0);         ( 638908.8,
4177255.1,      19.5,      19.5,       0.0);
     ( 638886.4, 4177276.8,      19.5,      19.5,       0.0);         ( 638879.5,
4177294.0,      19.3,      19.3,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638861.8, 4177327.8, 19.2, 19.2, 0.0); (638800.9, 4177373.8, 19.2, 19.2, 0.0);
(638766.1, 4177376.7, 19.1, 19.1, 0.0); (638992.7, 4177534.2, 18.7, 18.7, 0.0);
(638976.6, 4177519.0, 18.7, 18.7, 0.0); (638950.7, 4177485.3, 18.8, 18.8, 0.0);
(638940.9, 4177466.9, 18.8, 18.8, 0.0); (638354.7, 4177198.9, 20.5, 20.5, 0.0);
(638332.6, 4177188.3, 20.4, 20.4, 0.0); (638310.5, 4177177.7, 20.6, 20.6, 0.0);
(638288.4, 4177167.1, 20.5, 20.5, 0.0); (638266.4, 4177156.5, 20.8, 20.8, 0.0);
(638244.3, 4177145.9, 20.7, 20.7, 0.0); (638222.2, 4177135.3, 20.6, 20.6, 0.0);
(638200.1, 4177124.7, 21.0, 21.0, 0.0); (638178.0, 4177114.1, 20.9, 20.9, 0.0);
(638155.9, 4177103.5, 21.1, 21.1, 0.0); (638133.8, 4177092.9, 21.0, 21.0, 0.0);
(638111.7, 4177082.3, 21.1, 21.1, 0.0); (638089.6, 4177071.7, 21.0, 21.0, 0.0);
(638067.6, 4177061.1, 21.1, 21.1, 0.0); (638365.5, 4177176.3, 20.4, 20.4, 0.0);
(638343.4, 4177165.7, 20.5, 20.5, 0.0); (638321.3, 4177155.1, 20.5, 20.5, 0.0);
(638299.2, 4177144.5, 20.6, 20.6, 0.0); (638277.2, 4177133.9, 20.9, 20.9, 0.0);
(638255.1, 4177123.3, 20.9, 20.9, 0.0); (638233.0, 4177112.8, 21.0, 21.0, 0.0);
(638210.9, 4177102.2, 21.3, 21.3, 0.0); (638188.8, 4177091.6, 21.2, 21.2, 0.0);
(638166.7, 4177081.0, 21.2, 21.2, 0.0); (638144.6, 4177070.4, 21.3, 21.3, 0.0);
(638122.5, 4177059.8, 21.3, 21.3, 0.0); (638100.5, 4177049.2, 21.1, 21.1, 0.0);
(638078.4, 4177038.6, 21.2, 21.2, 0.0); (638376.3, 4177153.8, 20.4, 20.4, 0.0);
(638354.2, 4177143.2, 20.6, 20.6, 0.0); (638332.2, 4177132.6, 20.5, 20.5, 0.0);
(638310.1, 4177122.0, 20.9, 20.9, 0.0); (638288.0, 4177111.4, 20.9, 20.9, 0.0);
(638265.9, 4177100.8, 21.0, 21.0, 0.0); (638243.8, 4177090.2, 21.1, 21.1, 0.0);
(638221.7, 4177079.6, 21.2, 21.2, 0.0); (638199.6, 4177069.0, 21.5, 21.5, 0.0);
(638177.5, 4177058.4, 21.5, 21.5, 0.0); (638155.4, 4177047.8, 21.6, 21.6, 0.0);
(638133.4, 4177037.2, 21.3, 21.3, 0.0); (638111.3, 4177026.7, 21.4, 21.4, 0.0);
(638089.2, 4177016.1, 21.4, 21.4, 0.0); (638387.1, 4177131.2, 20.3, 20.3, 0.0);
(638365.1, 4177120.6, 20.4, 20.4, 0.0); (638343.0,

```
4177110.0,      20.5,      20.5,       0.0);
     ( 638320.9, 4177099.4,      20.8,      20.8,       0.0);         ( 638298.8,
4177088.9,      20.9,      20.9,       0.0);
     ( 638276.7, 4177078.3,      20.8,      20.8,       0.0);         ( 638254.6,
4177067.7,      20.9,      20.9,       0.0);
     ( 638232.5, 4177057.1,      21.2,      21.2,       0.0);         ( 638210.4,
4177046.5,      21.5,      21.5,       0.0);
     ( 638188.3, 4177035.9,      21.6,      21.6,       0.0);         ( 638166.2,
4177025.3,      21.6,      21.6,       0.0);
     ( 638144.2, 4177014.7,      21.8,      21.8,       0.0);         ( 638122.1,
4177004.1,      21.6,      21.6,       0.0);
     ( 638100.0, 4176993.5,      21.4,      21.4,       0.0);         ( 638046.0,
4177050.1,      21.3,      21.3,       0.0);
     ( 638024.0, 4177038.8,      21.1,      21.1,       0.0);         ( 638001.9,
4177027.5,      21.4,      21.4,       0.0);
     ( 637979.8, 4177016.2,      21.5,      21.5,       0.0);         ( 637957.7,
4177004.9,      21.6,      21.6,       0.0);
     ( 637935.6, 4176993.6,      21.6,      21.6,       0.0);         ( 637913.5,
4176982.3,      21.2,      21.2,       0.0);
     ( 637891.4, 4176971.0,      21.2,      21.2,       0.0);         ( 637869.4,
4176959.7,      21.2,      21.2,       0.0);
     ( 637847.3, 4176948.4,      21.1,      21.1,       0.0);         ( 637825.2,
4176937.1,      20.7,      20.7,       0.0);
     ( 637803.1, 4176925.8,      20.7,      20.7,       0.0);         ( 637781.0,
4176914.5,      20.7,      20.7,       0.0);
     ( 637758.9, 4176903.2,      20.6,      20.6,       0.0);         ( 637736.8,
4176891.9,      20.6,      20.6,       0.0);
     ( 637714.7, 4176880.6,      20.8,      20.8,       0.0);         ( 638057.4,
4177027.9,      21.4,      21.4,       0.0);
     ( 638035.3, 4177016.6,      21.1,      21.1,       0.0);         ( 638013.2,
4177005.3,      21.5,      21.5,       0.0);
     ( 637991.2, 4176994.0,      21.1,      21.1,       0.0);         ( 637969.1,
4176982.7,      21.5,      21.5,       0.0);
     ( 637947.0, 4176971.4,      21.4,      21.4,       0.0);         ( 637924.9,
4176960.1,      21.2,      21.2,       0.0);
     ( 637902.8, 4176948.8,      21.5,      21.5,       0.0);         ( 637880.7,
4176937.5,      21.8,      21.8,       0.0);
     ( 637858.7, 4176926.2,      21.7,      21.7,       0.0);         ( 637836.6,
4176914.8,      21.7,      21.7,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637814.5, 4176903.5, 21.6, 21.6, 0.0); (637792.4, 4176892.2, 21.6, 21.6, 0.0);
(637770.3, 4176880.9, 21.6, 21.6, 0.0); (637748.2, 4176869.6, 21.6, 21.6, 0.0);
(637726.1, 4176858.3, 21.6, 21.6, 0.0); (638068.8, 4177005.6, 21.4, 21.4, 0.0);
(638046.7, 4176994.3, 21.7, 21.7, 0.0); (638024.6, 4176983.0, 21.3, 21.3, 0.0);
(638002.6, 4176971.7, 21.3, 21.3, 0.0); (637980.5, 4176960.4, 21.5, 21.5, 0.0);
(637958.4, 4176949.1, 21.6, 21.6, 0.0); (637936.3, 4176937.8, 21.0, 21.0, 0.0);
(637914.2, 4176926.5, 21.1, 21.1, 0.0); (637892.1, 4176915.2, 22.0, 22.0, 0.0);
(637870.0, 4176903.9, 21.9, 21.9, 0.0); (637848.0, 4176892.6, 21.7, 21.7, 0.0);
(637825.9, 4176881.3, 21.6, 21.6, 0.0); (637803.8, 4176870.0, 21.5, 21.5, 0.0);
(637781.7, 4176858.7, 21.5, 21.5, 0.0); (637759.6, 4176847.4, 21.4, 21.4, 0.0);
(637737.5, 4176836.1, 21.4, 21.4, 0.0); (638058.1, 4176972.1, 21.7, 21.7, 0.0);
(638036.0, 4176960.8, 21.4, 21.4, 0.0); (638014.0, 4176949.5, 21.6, 21.6, 0.0);
(637991.9, 4176938.2, 21.3, 21.3, 0.0); (637969.8, 4176926.9, 21.7, 21.7, 0.0);
(637947.7, 4176915.5, 21.2, 21.2, 0.0); (637925.6, 4176904.2, 20.9, 20.9, 0.0);
(637903.5, 4176892.9, 21.5, 21.5, 0.0); (637881.4, 4176881.6, 21.6, 21.6, 0.0);
(637859.3, 4176870.3, 21.6, 21.6, 0.0); (637837.2, 4176859.0, 21.6, 21.6, 0.0);
(637815.2, 4176847.7, 21.6, 21.6, 0.0); (637793.1, 4176836.4, 21.6, 21.6, 0.0);
(637771.0, 4176825.1, 21.5, 21.5, 0.0); (637748.9, 4176813.8, 21.3, 21.3, 0.0);
(637693.3, 4176869.9, 20.9, 20.9, 0.0); (637672.1, 4176859.3, 21.0, 21.0, 0.0);
(637650.9, 4176848.8, 21.0, 21.0, 0.0); (637629.7, 4176838.2, 21.0, 21.0, 0.0);
(637608.5, 4176827.7, 21.1, 21.1, 0.0); (637587.3, 4176817.1, 21.2, 21.2, 0.0);
(637566.1, 4176806.5, 21.2, 21.2, 0.0); (637544.9, 4176796.0, 21.3, 21.3, 0.0);
(637523.7, 4176785.4, 21.3, 21.3, 0.0); (637502.5, 4176774.8, 21.3, 21.3, 0.0);
(637481.3, 4176764.3, 21.5, 21.5, 0.0); (637460.2, 4176753.7, 21.6, 21.6, 0.0);
(637439.0, 4176743.1, 21.6, 21.6, 0.0); (637417.8, 4176732.6, 21.7, 21.7, 0.0);
(637396.6, 4176722.0, 21.6, 21.6, 0.0); (637375.4,

```
4176711.4,      21.5,      21.5,       0.0);
     ( 637354.2, 4176700.9,      21.2,      21.2,      0.0);         ( 637333.0,
4176690.3,      21.1,      21.1,       0.0);
     ( 637704.5, 4176847.5,      21.6,      21.6,      0.0);         ( 637683.3,
4176837.0,      21.6,      21.6,       0.0);
     ( 637662.1, 4176826.4,      21.7,      21.7,      0.0);         ( 637640.9,
4176815.8,      21.8,      21.8,       0.0);
     ( 637619.7, 4176805.3,      21.7,      21.7,      0.0);         ( 637598.5,
4176794.7,      21.7,      21.7,       0.0);
     ( 637577.3, 4176784.1,      21.8,      21.8,      0.0);         ( 637556.1,
4176773.6,      21.9,      21.9,       0.0);
     ( 637534.9, 4176763.0,      21.8,      21.8,      0.0);         ( 637513.7,
4176752.5,      21.8,      21.8,       0.0);
     ( 637492.5, 4176741.9,      21.8,      21.8,      0.0);         ( 637471.3,
4176731.3,      21.7,      21.7,       0.0);
     ( 637450.1, 4176720.8,      21.7,      21.7,      0.0);         ( 637428.9,
4176710.2,      21.7,      21.7,       0.0);
     ( 637407.7, 4176699.6,      21.6,      21.6,      0.0);         ( 637386.5,
4176689.1,      21.5,      21.5,       0.0);
     ( 637365.3, 4176678.5,      21.4,      21.4,      0.0);         ( 637344.1,
4176667.9,      21.4,      21.4,       0.0);
     ( 637715.6, 4176825.2,      21.4,      21.4,      0.0);         ( 637694.4,
4176814.6,      21.3,      21.3,       0.0);
     ( 637673.2, 4176804.0,      21.7,      21.7,      0.0);         ( 637652.0,
4176793.5,      21.8,      21.8,       0.0);
     ( 637630.8, 4176782.9,      21.5,      21.5,      0.0);         ( 637609.6,
4176772.3,      21.3,      21.3,       0.0);
     ( 637588.4, 4176761.8,      21.4,      21.4,      0.0);         ( 637567.2,
4176751.2,      21.5,      21.5,       0.0);
     ( 637546.0, 4176740.6,      21.4,      21.4,      0.0);         ( 637524.8,
4176730.1,      21.4,      21.4,       0.0);
     ( 637503.7, 4176719.5,      21.3,      21.3,      0.0);         ( 637482.5,
4176709.0,      21.3,      21.3,       0.0);
     ( 637461.2, 4176698.4,      21.3,      21.3,      0.0);         ( 637440.1,
4176687.8,      21.4,      21.4,       0.0);
     ( 637418.9, 4176677.3,      21.4,      21.4,      0.0);         ( 637397.7,
4176666.7,      21.3,      21.3,       0.0);
     ( 637376.5, 4176656.1,      21.2,      21.2,      0.0);         ( 637355.3,
4176645.6,      21.2,      21.2,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637726.8, 4176802.8, 21.4, 21.4, 0.0); (637705.6, 4176792.2, 21.2, 21.2, 0.0);
(637684.4, 4176781.7, 21.6, 21.6, 0.0); (637663.2, 4176771.1, 21.8, 21.8, 0.0);
(637642.0, 4176760.5, 21.1, 21.1, 0.0); (637620.8, 4176750.0, 21.3, 21.3, 0.0);
(637599.6, 4176739.4, 21.4, 21.4, 0.0); (637578.4, 4176728.8, 21.5, 21.5, 0.0);
(637557.2, 4176718.3, 21.5, 21.5, 0.0); (637536.0, 4176707.7, 21.4, 21.4, 0.0);
(637514.8, 4176697.1, 21.3, 21.3, 0.0); (637493.6, 4176686.6, 20.9, 20.9, 0.0);
(637472.4, 4176676.0, 21.3, 21.3, 0.0); (637451.2, 4176665.4, 21.5, 21.5, 0.0);
(637430.0, 4176654.9, 21.3, 21.3, 0.0); (637408.8, 4176644.3, 21.3, 21.3, 0.0);
(637387.6, 4176633.8, 21.3, 21.3, 0.0); (637366.4, 4176623.2, 21.3, 21.3, 0.0);
(637311.3, 4176679.5, 21.1, 21.1, 0.0); (637289.6, 4176668.6, 21.1, 21.1, 0.0);
(637267.9, 4176657.7, 20.9, 20.9, 0.0); (637246.2, 4176646.8, 20.7, 20.7, 0.0);
(637224.5, 4176635.9, 20.8, 21.9, 0.0); (637202.8, 4176625.0, 22.1, 22.1, 0.0);
(637181.1, 4176614.1, 20.7, 20.7, 0.0); (637159.4, 4176603.2, 20.6, 20.6, 0.0);
(637137.7, 4176592.3, 20.7, 20.7, 0.0); (637116.0, 4176581.4, 20.6, 20.6, 0.0);
(637094.3, 4176570.5, 20.4, 20.4, 0.0); (637072.6, 4176559.6, 20.4, 20.4, 0.0);
(637050.9, 4176548.7, 20.4, 20.4, 0.0); (637029.2, 4176537.8, 20.4, 20.4, 0.0);
(637007.5, 4176526.9, 20.5, 20.5, 0.0); (636985.8, 4176516.0, 20.5, 20.5, 0.0);
(636964.1, 4176505.1, 20.5, 20.5, 0.0); (636942.4, 4176494.2, 20.5, 20.5, 0.0);
(636920.7, 4176483.3, 20.5, 20.5, 0.0); (636899.0, 4176472.4, 20.6, 20.6, 0.0);
(636877.3, 4176461.5, 20.5, 20.5, 0.0); (637322.6, 4176657.1, 21.4, 21.4, 0.0);
(637300.8, 4176646.2, 21.4, 21.4, 0.0); (637279.1, 4176635.3, 21.5, 21.5, 0.0);
(637257.4, 4176624.4, 21.3, 21.5, 0.0); (637235.7, 4176613.5, 21.1, 21.3, 0.0);
(637214.0, 4176602.6, 21.7, 21.7, 0.0); (637192.3, 4176591.7, 21.0, 21.0, 0.0);
(637170.6, 4176580.8, 20.9, 20.9, 0.0); (637148.9, 4176569.9, 20.9, 20.9, 0.0);
(637127.2, 4176559.0, 20.6, 20.6, 0.0); (637105.5, 4176548.2, 20.4, 20.4, 0.0);
(637083.8, 4176537.3, 20.5, 20.5, 0.0); (637062.1,

```
4176526.4,      20.6,      20.6,       0.0);
     ( 637040.4, 4176515.5,      20.8,      20.8,       0.0);         ( 637018.7,
4176504.6,      20.8,      20.8,       0.0);
     ( 636997.0, 4176493.7,      20.8,      20.8,       0.0);         ( 636975.3,
4176482.8,      20.8,      20.8,       0.0);
     ( 636953.6, 4176471.9,      20.9,      20.9,       0.0);         ( 636931.9,
4176461.0,      20.9,      20.9,       0.0);
     ( 636910.2, 4176450.1,      20.8,      20.8,       0.0);         ( 636888.5,
4176439.2,      20.8,      20.8,       0.0);
     ( 637333.8, 4176634.8,      21.3,      21.3,       0.0);         ( 637312.1,
4176623.9,      21.3,      21.3,       0.0);
     ( 637290.4, 4176613.0,      21.2,      21.2,       0.0);         ( 637268.7,
4176602.1,      20.6,      21.0,       0.0);
     ( 637247.0, 4176591.2,      20.9,      20.9,       0.0);         ( 637225.2,
4176580.3,      21.3,      21.3,       0.0);
     ( 637203.6, 4176569.4,      21.6,      21.6,       0.0);         ( 637181.8,
4176558.5,      21.2,      21.2,       0.0);
     ( 637160.1, 4176547.6,      21.4,      21.4,       0.0);         ( 637138.4,
4176536.7,      21.4,      21.4,       0.0);
     ( 637116.7, 4176525.8,      20.6,      20.6,       0.0);         ( 637095.0,
4176514.9,      20.7,      20.7,       0.0);
     ( 637073.3, 4176504.0,      20.7,      20.7,       0.0);         ( 637051.6,
4176493.1,      20.4,      20.4,       0.0);
     ( 637029.9, 4176482.2,      20.6,      20.6,       0.0);         ( 637008.2,
4176471.3,      20.7,      20.7,       0.0);
     ( 636986.5, 4176460.4,      20.7,      20.7,       0.0);         ( 636964.8,
4176449.5,      20.6,      20.6,       0.0);
     ( 636943.1, 4176438.6,      20.6,      20.6,       0.0);         ( 636921.4,
4176427.8,      20.7,      20.7,       0.0);
     ( 636899.7, 4176416.9,      20.6,      20.6,       0.0);         ( 637345.0,
4176612.4,      21.2,      21.2,       0.0);
     ( 637323.3, 4176601.5,      21.2,      21.2,       0.0);         ( 637301.6,
4176590.6,      21.3,      21.3,       0.0);
     ( 637279.9, 4176579.7,      19.7,      21.3,       0.0);         ( 637258.2,
4176568.8,      20.9,      20.9,       0.0);
     ( 637236.5, 4176557.9,      21.4,      21.4,       0.0);         ( 637214.8,
4176547.0,      21.4,      21.4,       0.0);
     ( 637193.1, 4176536.2,      21.2,      21.2,       0.0);         ( 637171.4,
4176525.3,      21.1,      21.1,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637149.7, 4176514.4, 21.5, 21.5, 0.0); (637128.0, 4176503.5, 20.8, 20.8, 0.0);
(637106.2, 4176492.6, 20.9, 20.9, 0.0); (637084.5, 4176481.7, 20.7, 20.7, 0.0);
(637062.8, 4176470.8, 20.6, 20.6, 0.0); (637041.1, 4176459.9, 20.7, 20.7, 0.0);
(637019.4, 4176449.0, 20.8, 20.8, 0.0); (636997.7, 4176438.1, 20.9, 20.9, 0.0);
(636976.0, 4176427.2, 20.7, 20.7, 0.0); (636954.3, 4176416.3, 20.8, 20.8, 0.0);
(636932.6, 4176405.4, 21.0, 21.0, 0.0); (636910.9, 4176394.5, 20.8, 20.8, 0.0);
(636855.8, 4176450.7, 20.5, 20.5, 0.0); (636834.2, 4176439.8, 20.5, 20.5, 0.0);
(636812.7, 4176429.0, 20.7, 20.7, 0.0); (636791.1, 4176418.1, 20.7, 20.7, 0.0);
(636769.6, 4176407.2, 20.7, 20.7, 0.0); (636748.0, 4176396.4, 20.5, 20.5, 0.0);
(636726.5, 4176385.5, 20.6, 20.6, 0.0); (636704.9, 4176374.6, 20.6, 20.6, 0.0);
(636683.4, 4176363.8, 20.6, 20.6, 0.0); (636661.8, 4176352.9, 20.6, 20.6, 0.0);
(636640.3, 4176342.0, 20.5, 20.5, 0.0); (636618.8, 4176331.2, 20.6, 20.6, 0.0);
(636597.2, 4176320.3, 20.6, 20.6, 0.0); (636575.7, 4176309.4, 20.7, 20.7, 0.0);
(636554.1, 4176298.6, 20.6, 20.6, 0.0); (636532.6, 4176287.7, 20.7, 20.7, 0.0);
(636511.0, 4176276.8, 20.7, 20.7, 0.0); (636489.5, 4176266.0, 20.7, 20.7, 0.0);
(636467.9, 4176255.1, 20.7, 20.7, 0.0); (636446.4, 4176244.2, 20.8, 20.8, 0.0);
(636424.8, 4176233.4, 20.8, 20.8, 0.0); (636403.3, 4176222.5, 20.8, 20.8, 0.0);
(636381.7, 4176211.6, 20.9, 20.9, 0.0); (636360.2, 4176200.8, 21.1, 21.1, 0.0);
(636338.6, 4176189.9, 21.5, 21.5, 0.0); (636867.0, 4176428.4, 20.8, 20.8, 0.0);
(636845.5, 4176417.5, 20.9, 20.9, 0.0); (636823.9, 4176406.6, 21.0, 21.0, 0.0);
(636802.4, 4176395.8, 21.1, 21.1, 0.0); (636780.8, 4176384.9, 21.2, 21.2, 0.0);
(636759.3, 4176374.0, 20.9, 20.9, 0.0); (636737.7, 4176363.2, 20.8, 20.8, 0.0);
(636716.2, 4176352.3, 20.8, 20.8, 0.0); (636694.6, 4176341.4, 20.7, 20.7, 0.0);
(636673.1, 4176330.6, 20.7, 20.7, 0.0); (636651.6, 4176319.7, 20.7, 20.7, 0.0);
(636630.0, 4176308.8, 20.7, 20.7, 0.0); (636608.5, 4176298.0, 20.8, 20.8, 0.0);
(636586.9, 4176287.1, 20.9, 20.9, 0.0); (636565.4,

```
4176276.2,      21.1,      21.1,       0.0);
     ( 636543.8, 4176265.4,      21.1,      21.1,       0.0);         ( 636522.3,
4176254.5,      21.1,      21.1,       0.0);
     ( 636500.7, 4176243.6,      21.2,      21.2,       0.0);         ( 636479.2,
4176232.8,      21.3,      21.3,       0.0);
     ( 636457.6, 4176221.9,      21.4,      21.4,       0.0);         ( 636436.1,
4176211.0,      21.6,      21.6,       0.0);
     ( 636414.5, 4176200.2,      21.9,      21.9,       0.0);         ( 636393.0,
4176189.3,      21.9,      21.9,       0.0);
     ( 636371.4, 4176178.4,      21.8,      21.8,       0.0);         ( 636349.9,
4176167.6,      21.5,      21.5,       0.0);
     ( 636878.3, 4176406.0,      20.6,      20.6,       0.0);         ( 636856.7,
4176395.2,      20.7,      20.7,       0.0);
     ( 636835.2, 4176384.3,      20.9,      20.9,       0.0);         ( 636813.6,
4176373.4,      20.9,      20.9,       0.0);
     ( 636792.1, 4176362.6,      21.2,      21.2,       0.0);         ( 636770.5,
4176351.7,      21.0,      21.0,       0.0);
     ( 636749.0, 4176340.9,      20.6,      20.6,       0.0);         ( 636727.5,
4176330.0,      20.5,      20.5,       0.0);
     ( 636705.9, 4176319.1,      20.5,      20.5,       0.0);         ( 636684.4,
4176308.3,      20.5,      20.5,       0.0);
     ( 636662.8, 4176297.4,      20.5,      20.5,       0.0);         ( 636641.3,
4176286.5,      20.5,      20.5,       0.0);
     ( 636619.7, 4176275.7,      20.6,      20.6,       0.0);         ( 636598.2,
4176264.8,      20.7,      20.7,       0.0);
     ( 636576.6, 4176253.9,      20.8,      20.8,       0.0);         ( 636555.1,
4176243.1,      20.8,      20.8,       0.0);
     ( 636533.5, 4176232.2,      20.9,      20.9,       0.0);         ( 636512.0,
4176221.3,      21.0,      21.0,       0.0);
     ( 636490.4, 4176210.5,      21.1,      21.1,       0.0);         ( 636468.9,
4176199.6,      21.1,      21.1,       0.0);
     ( 636447.3, 4176188.7,      21.6,      21.6,       0.0);         ( 636425.8,
4176177.9,      22.0,      22.0,       0.0);
     ( 636404.2, 4176167.0,      21.7,      21.7,       0.0);         ( 636382.7,
4176156.1,      21.6,      21.6,       0.0);
     ( 636361.2, 4176145.3,      21.9,      21.9,       0.0);         ( 636889.5,
4176383.7,      20.7,      20.7,       0.0);
     ( 636868.0, 4176372.9,      20.9,      20.9,       0.0);         ( 636846.4,
4176362.0,      21.1,      21.1,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(636824.9, 4176351.1, 20.9, 20.9, 0.0); (636803.4, 4176340.3, 21.2, 21.2, 0.0);
(636781.8, 4176329.4, 21.0, 21.0, 0.0); (636760.2, 4176318.5, 20.6, 20.6, 0.0);
(636738.7, 4176307.7, 20.6, 20.6, 0.0); (636717.2, 4176296.8, 20.8, 20.8, 0.0);
(636695.6, 4176285.9, 20.6, 20.6, 0.0); (636674.1, 4176275.1, 20.6, 20.6, 0.0);
(636652.5, 4176264.2, 20.8, 20.8, 0.0); (636631.0, 4176253.3, 21.0, 21.0, 0.0);
(636609.4, 4176242.5, 20.6, 20.6, 0.0); (636587.9, 4176231.6, 21.0, 21.0, 0.0);
(636566.3, 4176220.7, 21.0, 21.0, 0.0); (636544.8, 4176209.9, 21.0, 21.0, 0.0);
(636523.2, 4176199.0, 21.1, 21.1, 0.0); (636501.7, 4176188.1, 21.4, 21.4, 0.0);
(636480.1, 4176177.3, 21.0, 21.0, 0.0); (636458.6, 4176166.4, 21.5, 21.5, 0.0);
(636437.1, 4176155.5, 21.8, 21.8, 0.0); (636415.5, 4176144.7, 21.7, 21.7, 0.0);
(636394.0, 4176133.8, 21.4, 21.4, 0.0); (636372.4, 4176122.9, 22.0, 22.0, 0.0);
(636311.8, 4176274.7, 20.8, 20.8, 0.0); (636333.6, 4176285.8, 21.4, 21.4, 0.0);
(636355.4, 4176296.8, 20.6, 20.6, 0.0); (636377.1, 4176307.8, 20.3, 20.3, 0.0);
(636398.9, 4176318.8, 20.2, 20.2, 0.0); (636420.7, 4176329.9, 20.2, 20.2, 0.0);
(636442.5, 4176340.9, 20.2, 20.2, 0.0); (636464.3, 4176351.9, 20.1, 20.1, 0.0);
(636486.1, 4176362.9, 20.2, 20.2, 0.0); (636507.9, 4176373.9, 20.2, 20.2, 0.0);
(636529.7, 4176385.0, 20.2, 20.2, 0.0); (636551.5, 4176396.0, 20.2, 20.2, 0.0);
(636573.3, 4176407.0, 20.1, 20.1, 0.0); (636595.1, 4176418.0, 20.1, 20.1, 0.0);
(636616.9, 4176429.1, 20.1, 20.1, 0.0); (636638.6, 4176440.1, 20.1, 20.1, 0.0);
(636660.4, 4176451.1, 20.2, 20.2, 0.0); (636682.2, 4176462.1, 20.0, 20.0, 0.0);
(636704.0, 4176473.2, 20.0, 20.0, 0.0); (636725.8, 4176484.2, 19.8, 19.8, 0.0);
(636747.6, 4176495.2, 19.8, 19.8, 0.0); (636769.4, 4176506.2, 20.0, 20.0, 0.0);
(636791.2, 4176517.3, 20.0, 20.0, 0.0); (636813.0, 4176528.3, 20.2, 20.2, 0.0);
(636834.8, 4176539.3, 20.3, 20.3, 0.0); (636856.6, 4176550.3, 20.2, 20.2, 0.0);
(636878.3, 4176561.3, 20.3, 20.3, 0.0); (636900.1, 4176572.4, 20.3, 20.3, 0.0);
(636921.9, 4176583.4, 20.3, 20.3, 0.0); (636943.7,

```
4176594.4,      20.3,      20.3,       0.0);
     ( 636965.5, 4176605.4,      20.2,      20.2,       0.0);         ( 636987.3,
4176616.5,      20.2,      20.2,       0.0);
     ( 637009.1, 4176627.5,      20.4,      20.4,       0.0);         ( 637030.9,
4176638.5,      20.5,      20.5,       0.0);
     ( 637052.7, 4176649.5,      20.4,      20.4,       0.0);         ( 637074.5,
4176660.6,      20.4,      20.4,       0.0);
     ( 637096.2, 4176671.6,      20.4,      20.4,       0.0);         ( 637118.0,
4176682.6,      20.6,      20.6,       0.0);
     ( 637139.8, 4176693.6,      21.2,      21.2,       0.0);         ( 636289.8,
4176286.7,      20.6,      20.6,       0.0);
     ( 636322.3, 4176308.1,      20.8,      20.8,       0.0);         ( 636344.1,
4176319.1,      20.6,      20.6,       0.0);
     ( 636365.9, 4176330.1,      20.1,      20.1,       0.0);         ( 636387.7,
4176341.1,      20.1,      20.1,       0.0);
     ( 636409.4, 4176352.2,      20.1,      20.1,       0.0);         ( 636431.2,
4176363.2,      19.9,      19.9,       0.0);
     ( 636453.0, 4176374.2,      19.9,      19.9,       0.0);         ( 636474.8,
4176385.2,      19.9,      19.9,       0.0);
     ( 636496.6, 4176396.3,      19.8,      19.8,       0.0);         ( 636518.4,
4176407.3,      19.8,      19.8,       0.0);
     ( 636540.2, 4176418.3,      19.8,      19.8,       0.0);         ( 636562.0,
4176429.3,      19.9,      19.9,       0.0);
     ( 636583.8, 4176440.4,      19.8,      19.8,       0.0);         ( 636605.6,
4176451.4,      19.8,      19.8,       0.0);
     ( 636627.4, 4176462.4,      19.9,      19.9,       0.0);         ( 636649.1,
4176473.4,      19.8,      19.8,       0.0);
     ( 636670.9, 4176484.4,      19.9,      19.9,       0.0);         ( 636692.7,
4176495.5,      19.9,      19.9,       0.0);
     ( 636714.5, 4176506.5,      19.8,      19.8,       0.0);         ( 636736.3,
4176517.5,      19.8,      19.8,       0.0);
     ( 636758.1, 4176528.5,      19.9,      19.9,       0.0);         ( 636779.9,
4176539.6,      19.9,      19.9,       0.0);
     ( 636801.7, 4176550.6,      20.0,      20.0,       0.0);         ( 636823.5,
4176561.6,      20.1,      20.1,       0.0);
     ( 636845.3, 4176572.6,      20.1,      20.1,       0.0);         ( 636867.1,
4176583.7,      20.2,      20.2,       0.0);
     ( 636888.9, 4176594.7,      20.1,      20.1,       0.0);         ( 636910.6,
4176605.7,      20.1,      20.1,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(636932.4, 4176616.7, 20.1, 20.1, 0.0); (636954.2, 4176627.8, 19.9, 19.9, 0.0);
(636976.0, 4176638.8, 19.9, 19.9, 0.0); (636997.8, 4176649.8, 19.8, 19.8, 0.0);
(637019.6, 4176660.8, 19.8, 19.8, 0.0); (637041.4, 4176671.8, 19.8, 19.8, 0.0);
(637063.2, 4176682.9, 20.1, 20.1, 0.0); (637085.0, 4176693.9, 19.6, 19.6, 0.0);
(637106.8, 4176704.9, 20.1, 20.1, 0.0); (637128.6, 4176715.9, 21.0, 21.0, 0.0);
(636273.2, 4176303.8, 19.9, 19.9, 0.0); (636311.0, 4176330.4, 20.6, 20.6, 0.0);
(636332.8, 4176341.4, 20.7, 20.7, 0.0); (636354.6, 4176352.4, 20.0, 20.0, 0.0);
(636376.4, 4176363.4, 19.7, 19.7, 0.0); (636398.2, 4176374.5, 19.6, 19.6, 0.0);
(636420.0, 4176385.5, 19.5, 19.5, 0.0); (636441.7, 4176396.5, 19.4, 19.4, 0.0);
(636463.5, 4176407.5, 19.4, 19.4, 0.0); (636485.3, 4176418.6, 19.3, 19.3, 0.0);
(636507.1, 4176429.6, 19.2, 19.2, 0.0); (636528.9, 4176440.6, 19.2, 19.2, 0.0);
(636550.7, 4176451.6, 19.1, 19.1, 0.0); (636572.5, 4176462.7, 19.0, 19.0, 0.0);
(636594.3, 4176473.7, 19.4, 19.4, 0.0); (636616.1, 4176484.7, 19.8, 19.8, 0.0);
(636637.9, 4176495.7, 19.6, 19.6, 0.0); (636659.7, 4176506.8, 19.4, 19.4, 0.0);
(636681.4, 4176517.8, 19.9, 19.9, 0.0); (636703.2, 4176528.8, 19.7, 19.7, 0.0);
(636725.0, 4176539.8, 19.2, 19.2, 0.0); (636746.8, 4176550.8, 19.3, 19.3, 0.0);
(636768.6, 4176561.9, 19.4, 19.4, 0.0); (636790.4, 4176572.9, 19.4, 19.4, 0.0);
(636812.2, 4176583.9, 19.5, 19.5, 0.0); (636834.0, 4176594.9, 19.6, 19.6, 0.0);
(636855.8, 4176606.0, 19.7, 19.7, 0.0); (636877.6, 4176617.0, 19.6, 19.6, 0.0);
(636899.4, 4176628.0, 19.5, 19.5, 0.0); (636921.1, 4176639.0, 19.4, 19.4, 0.0);
(636942.9, 4176650.1, 19.4, 19.4, 0.0); (636964.7, 4176661.1, 19.3, 19.3, 0.0);
(636986.5, 4176672.1, 19.3, 19.3, 0.0); (637008.3, 4176683.1, 19.6, 19.6, 0.0);
(637030.1, 4176694.2, 19.9, 19.9, 0.0); (637051.9, 4176705.2, 19.9, 19.9, 0.0);
(637073.7, 4176716.2, 19.3, 19.3, 0.0); (637095.5, 4176727.2, 19.9, 19.9, 0.0);
(637117.3, 4176738.2, 20.4, 20.4, 0.0); (636263.7, 4176327.8, 19.6, 19.6, 0.0);
(636299.7, 4176352.7, 20.2, 20.2, 0.0); (636321.5,

```
4176363.7,      20.3,      20.3,       0.0);
     ( 636343.3, 4176374.7,      20.1,      20.1,       0.0);         ( 636365.1,
4176385.8,      19.9,      19.9,       0.0);
     ( 636386.9, 4176396.8,      19.8,      19.8,       0.0);         ( 636408.7,
4176407.8,      19.5,      19.5,       0.0);
     ( 636430.5, 4176418.8,      19.9,      19.9,       0.0);         ( 636452.2,
4176429.9,      19.9,      19.9,       0.0);
     ( 636474.0, 4176440.9,      19.8,      19.8,       0.0);         ( 636495.8,
4176451.9,      19.7,      19.7,       0.0);
     ( 636517.6, 4176462.9,      19.6,      19.6,       0.0);         ( 636539.4,
4176473.9,      19.6,      19.6,       0.0);
     ( 636561.2, 4176485.0,      19.2,      19.2,       0.0);         ( 636583.0,
4176496.0,      19.3,      19.3,       0.0);
     ( 636604.8, 4176507.0,      19.7,      19.7,       0.0);         ( 636626.6,
4176518.0,      19.6,      19.6,       0.0);
     ( 636648.4, 4176529.1,      19.4,      19.4,       0.0);         ( 636670.2,
4176540.1,      19.8,      19.8,       0.0);
     ( 636692.0, 4176551.1,      19.7,      19.7,       0.0);         ( 636713.7,
4176562.1,      19.1,      19.1,       0.0);
     ( 636735.5, 4176573.2,      19.8,      19.8,       0.0);         ( 636757.3,
4176584.2,      20.0,      20.0,       0.0);
     ( 636779.1, 4176595.2,      20.0,      20.0,       0.0);         ( 636800.9,
4176606.2,      20.0,      20.0,       0.0);
     ( 636822.7, 4176617.2,      20.1,      20.1,       0.0);         ( 636844.5,
4176628.3,      20.1,      20.1,       0.0);
     ( 636866.3, 4176639.3,      20.2,      20.2,       0.0);         ( 636888.1,
4176650.3,      20.1,      20.1,       0.0);
     ( 636909.9, 4176661.3,      20.0,      20.0,       0.0);         ( 636931.7,
4176672.4,      19.9,      19.9,       0.0);
     ( 636953.4, 4176683.4,      19.8,      19.8,       0.0);         ( 636975.2,
4176694.4,      19.7,      19.7,       0.0);
     ( 636997.0, 4176705.4,      19.3,      19.3,       0.0);         ( 637018.8,
4176716.5,      19.1,      19.1,       0.0);
     ( 637040.6, 4176727.5,      19.4,      19.4,       0.0);         ( 637062.4,
4176738.5,      19.3,      19.3,       0.0);
     ( 637084.2, 4176749.5,      19.7,      19.7,       0.0);         ( 637106.0,
4176760.6,      19.9,      19.9,       0.0);
     ( 637161.7, 4176704.4,      21.9,      21.9,       0.0);         ( 637183.3,
4176714.9,      19.0,      22.2,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637204.9, 4176725.5, 20.0, 20.0, 0.0); (637226.5, 4176736.1, 20.2, 20.2, 0.0);
(637248.1, 4176746.7, 20.4, 20.4, 0.0); (637269.7, 4176757.3, 20.5, 20.5, 0.0);
(637291.3, 4176767.9, 20.5, 20.5, 0.0); (637312.9, 4176778.5, 20.5, 20.5, 0.0);
(637334.5, 4176789.1, 20.6, 20.6, 0.0); (637356.1, 4176799.7, 20.6, 20.6, 0.0);
(637377.7, 4176810.3, 20.7, 20.7, 0.0); (637399.3, 4176820.8, 20.6, 20.6, 0.0);
(637420.9, 4176831.4, 20.6, 20.6, 0.0); (637150.7, 4176726.8, 21.3, 21.3, 0.0);
(637172.3, 4176737.4, 19.0, 21.6, 0.0); (637193.9, 4176748.0, 20.0, 20.0, 0.0);
(637215.5, 4176758.6, 19.9, 19.9, 0.0); (637237.1, 4176769.2, 20.0, 20.0, 0.0);
(637258.7, 4176779.8, 20.1, 20.1, 0.0); (637280.3, 4176790.3, 20.2, 20.2, 0.0);
(637301.9, 4176800.9, 20.3, 20.3, 0.0); (637323.5, 4176811.5, 20.3, 20.3, 0.0);
(637345.1, 4176822.1, 20.4, 20.4, 0.0); (637366.7, 4176832.7, 20.5, 20.5, 0.0);
(637388.3, 4176843.3, 20.3, 20.3, 0.0); (637409.9, 4176853.9, 20.1, 20.1, 0.0);
(637139.7, 4176749.3, 20.5, 20.5, 0.0); (637161.3, 4176759.8, 19.4, 19.4, 0.0);
(637182.9, 4176770.4, 19.7, 19.7, 0.0); (637204.5, 4176781.0, 19.2, 19.2, 0.0);
(637226.1, 4176791.6, 19.4, 19.4, 0.0); (637247.7, 4176802.2, 19.4, 19.4, 0.0);
(637269.3, 4176812.8, 19.5, 19.5, 0.0); (637290.9, 4176823.4, 19.6, 19.6, 0.0);
(637312.5, 4176834.0, 19.7, 19.7, 0.0); (637334.1, 4176844.6, 19.8, 19.8, 0.0);
(637355.7, 4176855.1, 19.9, 19.9, 0.0); (637377.3, 4176865.7, 19.8, 19.8, 0.0);
(637398.9, 4176876.3, 19.7, 19.7, 0.0); (637128.7, 4176771.7, 19.4, 19.4, 0.0);
(637150.3, 4176782.3, 19.8, 19.8, 0.0); (637171.9, 4176792.9, 19.6, 19.6, 0.0);
(637193.5, 4176803.5, 19.3, 19.3, 0.0); (637215.1, 4176814.1, 19.9, 19.9, 0.0);
(637236.7, 4176824.6, 20.0, 20.0, 0.0); (637258.3, 4176835.2, 20.0, 20.0, 0.0);
(637279.9, 4176845.8, 20.1, 20.1, 0.0); (637301.5, 4176856.4, 20.1, 20.1, 0.0);
(637323.1, 4176867.0, 20.2, 20.2, 0.0); (637344.7, 4176877.6, 20.3, 20.3, 0.0);
(637366.3, 4176888.2, 20.3, 20.3, 0.0); (637387.9, 4176898.8, 20.1, 20.1, 0.0);
(637442.9, 4176842.6, 20.4, 20.4, 0.0); (637465.2,

```
4176853.9,      20.5,      20.5,       0.0);
     ( 637487.5, 4176865.2,      20.5,      20.5,       0.0);         ( 637509.8,
4176876.5,      20.5,      20.5,       0.0);
     ( 637532.1, 4176887.8,      20.6,      20.6,       0.0);         ( 637554.4,
4176899.0,      20.4,      20.4,       0.0);
     ( 637576.7, 4176910.3,      20.2,      20.2,       0.0);         ( 637599.0,
4176921.6,      20.3,      20.3,       0.0);
     ( 637621.3, 4176932.9,      20.2,      20.2,       0.0);         ( 637643.6,
4176944.2,      20.2,      20.2,       0.0);
     ( 637665.9, 4176955.5,      20.1,      20.1,       0.0);         ( 637688.2,
4176966.8,      20.1,      20.1,       0.0);
     ( 637710.5, 4176978.1,      20.1,      20.1,       0.0);         ( 637732.8,
4176989.4,      20.2,      20.2,       0.0);
     ( 637755.1, 4177000.7,      20.2,      20.2,       0.0);         ( 637777.4,
4177012.0,      20.4,      20.4,       0.0);
     ( 637799.6, 4177023.3,      20.1,      20.1,       0.0);         ( 637821.9,
4177034.6,      20.0,      20.0,       0.0);
     ( 637844.2, 4177045.8,      20.1,      20.1,       0.0);         ( 637866.5,
4177057.1,      20.1,      20.1,       0.0);
     ( 637431.6, 4176864.9,      20.1,      20.1,       0.0);         ( 637453.9,
4176876.2,      20.2,      20.2,       0.0);
     ( 637476.2, 4176887.5,      20.2,      20.2,       0.0);         ( 637498.5,
4176898.8,      20.3,      20.3,       0.0);
     ( 637520.8, 4176910.1,      20.3,      20.3,       0.0);         ( 637543.1,
4176921.3,      20.2,      20.2,       0.0);
     ( 637565.4, 4176932.6,      20.3,      20.3,       0.0);         ( 637587.7,
4176943.9,      20.3,      20.3,       0.0);
     ( 637610.0, 4176955.2,      20.3,      20.3,       0.0);         ( 637632.3,
4176966.5,      20.2,      20.2,       0.0);
     ( 637654.6, 4176977.8,      20.1,      20.1,       0.0);         ( 637676.9,
4176989.1,      20.2,      20.2,       0.0);
     ( 637699.2, 4177000.4,      20.1,      20.1,       0.0);         ( 637721.5,
4177011.7,      20.1,      20.1,       0.0);
     ( 637743.8, 4177023.0,      20.0,      20.0,       0.0);         ( 637766.1,
4177034.3,      20.1,      20.1,       0.0);
     ( 637788.4, 4177045.6,      20.0,      20.0,       0.0);         ( 637810.6,
4177056.9,      19.9,      19.9,       0.0);
     ( 637832.9, 4177068.2,      20.0,      20.0,       0.0);         ( 637855.2,
4177079.4,      20.0,      20.0,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637420.3, 4176887.2, 19.5, 19.5, 0.0); (637442.6, 4176898.5, 19.5, 19.5, 0.0);
(637464.9, 4176909.8, 19.6, 19.6, 0.0); (637487.2, 4176921.1, 19.6, 19.6, 0.0);
(637509.5, 4176932.4, 19.7, 19.7, 0.0); (637531.8, 4176943.7, 19.7, 19.7, 0.0);
(637554.1, 4176954.9, 19.8, 19.8, 0.0); (637576.4, 4176966.2, 19.9, 19.9, 0.0);
(637598.7, 4176977.5, 19.9, 19.9, 0.0); (637621.0, 4176988.8, 19.9, 19.9, 0.0);
(637643.3, 4177000.1, 19.8, 19.8, 0.0); (637665.6, 4177011.4, 19.8, 19.8, 0.0);
(637687.9, 4177022.7, 19.7, 19.7, 0.0); (637710.2, 4177034.0, 19.8, 19.8, 0.0);
(637732.5, 4177045.3, 19.6, 19.6, 0.0); (637754.8, 4177056.6, 20.0, 20.0, 0.0);
(637777.1, 4177067.9, 19.9, 19.9, 0.0); (637799.4, 4177079.2, 19.9, 19.9, 0.0);
(637821.7, 4177090.5, 19.9, 19.9, 0.0); (637843.9, 4177101.8, 20.0, 20.0, 0.0);
(637409.0, 4176909.5, 19.7, 19.7, 0.0); (637431.3, 4176920.8, 19.6, 19.6, 0.0);
(637453.6, 4176932.1, 20.1, 20.1, 0.0); (637475.9, 4176943.4, 20.0, 20.0, 0.0);
(637498.2, 4176954.7, 20.1, 20.1, 0.0); (637520.5, 4176966.0, 19.7, 19.7, 0.0);
(637542.8, 4176977.2, 19.9, 19.9, 0.0); (637565.1, 4176988.5, 20.1, 20.1, 0.0);
(637587.4, 4176999.8, 20.1, 20.1, 0.0); (637609.7, 4177011.1, 20.1, 20.1, 0.0);
(637632.0, 4177022.4, 20.1, 20.1, 0.0); (637654.3, 4177033.7, 20.1, 20.1, 0.0);
(637676.6, 4177045.0, 20.0, 20.0, 0.0); (637698.9, 4177056.3, 19.6, 19.6, 0.0);
(637721.2, 4177067.6, 19.5, 19.5, 0.0); (637743.5, 4177078.9, 19.8, 19.8, 0.0);
(637765.8, 4177090.2, 20.2, 20.2, 0.0); (637788.1, 4177101.5, 19.8, 19.8, 0.0);
(637810.4, 4177112.8, 19.9, 19.9, 0.0); (637832.7, 4177124.0, 19.9, 19.9, 0.0);
(637902.3, 4177074.8, 20.2, 20.2, 0.0); (637937.8, 4177092.3, 21.1, 21.1, 0.0);
(637891.2, 4177097.2, 19.7, 19.7, 0.0); (637926.8, 4177114.7, 20.7, 20.7, 0.0);
(637880.2, 4177119.6, 19.8, 19.8, 0.0); (637915.7, 4177137.1, 20.1, 20.1, 0.0);
(637869.1, 4177142.0, 19.9, 19.9, 0.0); (637904.7, 4177159.6, 19.9, 19.9, 0.0);
(637958.2, 4177145.7, 20.1, 20.1, 0.0); (637979.5, 4177156.5, 20.1, 20.1, 0.0);
(638000.8, 4177167.3, 19.8, 19.8, 0.0); (638022.1,

```
4177178.1,      19.9,      19.9,       0.0);
     ( 638043.4, 4177188.9,      20.0,      20.0,       0.0);         ( 638064.7,
4177199.8,      20.1,      20.1,       0.0);
     ( 638086.0, 4177210.6,      20.1,      20.1,       0.0);         ( 638107.3,
4177221.4,      20.0,      20.0,       0.0);
     ( 638128.6, 4177232.2,      19.9,      19.9,       0.0);         ( 638149.9,
4177243.0,      19.8,      19.8,       0.0);
     ( 638171.2, 4177253.8,      19.9,      19.9,       0.0);         ( 638192.5,
4177264.6,      20.0,      20.0,       0.0);
     ( 638213.8, 4177275.4,      20.1,      20.1,       0.0);         ( 638235.1,
4177286.2,      20.2,      20.2,       0.0);
     ( 638256.4, 4177297.0,      20.1,      20.1,       0.0);         ( 638277.8,
4177307.8,      20.0,      20.0,       0.0);
     ( 637946.9, 4177168.0,      20.0,      20.0,       0.0);         ( 637968.2,
4177178.8,      19.9,      19.9,       0.0);
     ( 637989.5, 4177189.6,      19.6,      19.6,       0.0);         ( 638010.8,
4177200.4,      20.2,      20.2,       0.0);
     ( 638032.1, 4177211.2,      20.3,      20.3,       0.0);         ( 638053.4,
4177222.0,      20.3,      20.3,       0.0);
     ( 638074.7, 4177232.8,      20.4,      20.4,       0.0);         ( 638096.0,
4177243.7,      20.3,      20.3,       0.0);
     ( 638117.3, 4177254.5,      20.2,      20.2,       0.0);         ( 638138.6,
4177265.3,      20.0,      20.0,       0.0);
     ( 638159.9, 4177276.1,      20.1,      20.1,       0.0);         ( 638181.2,
4177286.9,      20.3,      20.3,       0.0);
     ( 638202.5, 4177297.7,      20.4,      20.4,       0.0);         ( 638223.8,
4177308.5,      20.5,      20.5,       0.0);
     ( 638245.1, 4177319.3,      20.5,      20.5,       0.0);         ( 638266.4,
4177330.1,      20.2,      20.2,       0.0);
     ( 637935.6, 4177190.3,      19.5,      19.5,       0.0);         ( 637956.9,
4177201.1,      19.9,      19.9,       0.0);
     ( 637978.2, 4177211.9,      19.6,      19.6,       0.0);         ( 637999.5,
4177222.7,      19.7,      19.7,       0.0);
     ( 638020.8, 4177233.5,      19.9,      19.9,       0.0);         ( 638042.1,
4177244.3,      20.0,      20.0,       0.0);
     ( 638063.4, 4177255.1,      20.1,      20.1,       0.0);         ( 638084.7,
4177266.0,      20.1,      20.1,       0.0);
     ( 638106.0, 4177276.8,      20.2,      20.2,       0.0);         ( 638127.3,
4177287.6,      19.8,      19.8,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638148.6, 4177298.4, 19.8, 19.8, 0.0); (638169.9, 4177309.2, 20.3, 20.3, 0.0);
(638191.2, 4177320.0, 20.0, 20.0, 0.0); (638212.5, 4177330.8, 20.1, 20.1, 0.0);
(638233.8, 4177341.6, 20.2, 20.2, 0.0); (638255.1, 4177352.4, 19.8, 19.8, 0.0);
(637889.5, 4177189.3, 19.7, 19.7, 0.0); (637924.3, 4177212.6, 19.4, 19.4, 0.0);
(637945.6, 4177223.4, 19.3, 19.3, 0.0); (637966.9, 4177234.2, 19.2, 19.2, 0.0);
(637988.2, 4177245.0, 19.2, 19.2, 0.0); (638009.5, 4177255.8, 19.5, 19.5, 0.0);
(638030.8, 4177266.6, 19.6, 19.6, 0.0); (638052.1, 4177277.4, 19.7, 19.7, 0.0);
(638073.4, 4177288.2, 19.8, 19.8, 0.0); (638094.7, 4177299.1, 19.8, 19.8, 0.0);
(638116.0, 4177309.9, 19.7, 19.7, 0.0); (638137.3, 4177320.7, 19.7, 19.7, 0.0);
(638158.6, 4177331.5, 20.1, 20.1, 0.0); (638179.9, 4177342.3, 19.8, 19.8, 0.0);
(638201.2, 4177353.1, 19.9, 19.9, 0.0); (638222.5, 4177363.9, 20.1, 20.1, 0.0);
(638243.8, 4177374.7, 19.6, 19.6, 0.0); (638299.0, 4177318.5, 20.2, 20.2, 0.0);
(638320.2, 4177329.2, 20.2, 20.2, 0.0); (638341.5, 4177339.9, 19.7, 19.7, 0.0);
(638287.8, 4177340.9, 19.9, 19.9, 0.0); (638309.0, 4177351.6, 19.7, 19.7, 0.0);
(638330.2, 4177362.3, 19.4, 19.4, 0.0); (638276.5, 4177363.2, 20.0, 20.0, 0.0);
(638297.8, 4177373.9, 19.4, 19.4, 0.0); (638319.0, 4177384.6, 19.3, 19.3, 0.0);
(638265.3, 4177385.5, 20.0, 20.0, 0.0); (638286.5, 4177396.2, 19.5, 19.5, 0.0);
(638307.7, 4177406.9, 19.3, 19.3, 0.0); (638380.8, 4177333.5, 19.5, 19.5, 0.0);
(638418.7, 4177318.6, 19.7, 19.7, 0.0); (638357.4, 4177363.5, 19.3, 19.3, 0.0);
(638389.9, 4177356.7, 19.4, 19.4, 0.0); (638427.8, 4177341.9, 19.5, 19.5, 0.0);
(638364.8, 4177386.7, 19.3, 19.3, 0.0); (638399.1, 4177380.0, 19.4, 19.4, 0.0);
(638436.9, 4177365.1, 19.4, 19.4, 0.0); (638372.9, 4177409.9, 19.3, 19.3, 0.0);
(638340.3, 4177408.4, 19.4, 19.4, 0.0); (638408.2, 4177403.3, 19.3, 19.3, 0.0);
(638446.1, 4177388.4, 19.2, 19.2, 0.0); (638463.9, 4177349.8, 19.4, 19.4, 0.0);
(638485.7, 4177360.5, 19.2, 19.2, 0.0); (638474.7, 4177382.9, 19.1, 19.1, 0.0);
(638463.7, 4177405.4, 18.9, 18.9, 0.0); (638430.9,

```
4177417.1,      19.1,      19.1,       0.0);
     ( 638452.7, 4177427.8,      18.9,      18.9,       0.0);         ( 638506.4,
4177371.0,      19.0,      19.0,       0.0);
     ( 638527.4, 4177381.8,      19.0,      19.0,       0.0);         ( 638548.5,
4177392.5,      18.9,      18.9,       0.0);
     ( 638569.5, 4177403.3,      18.8,      18.8,       0.0);         ( 638590.6,
4177414.0,      18.6,      18.6,       0.0);
     ( 638611.7, 4177424.8,      18.7,      18.7,       0.0);         ( 638495.0,
4177393.3,      18.8,      18.8,       0.0);
     ( 638516.1, 4177404.0,      18.7,      18.7,       0.0);         ( 638537.1,
4177414.8,      18.6,      18.6,       0.0);
     ( 638558.2, 4177425.5,      18.5,      18.5,       0.0);         ( 638579.2,
4177436.3,      18.5,      18.5,       0.0);
     ( 638600.3, 4177447.0,      18.4,      18.4,       0.0);         ( 638504.7,
4177426.3,      18.5,      18.5,       0.0);
     ( 638525.7, 4177437.0,      18.5,      18.5,       0.0);         ( 638546.8,
4177447.8,      18.2,      18.2,       0.0);
     ( 638567.9, 4177458.6,      18.3,      18.3,       0.0);         ( 638588.9,
4177469.3,      18.4,      18.4,       0.0);
     ( 638493.3, 4177448.6,      18.4,      18.4,       0.0);         ( 638514.4,
4177459.3,      18.6,      18.6,       0.0);
     ( 638535.4, 4177470.1,      18.4,      18.4,       0.0);         ( 638556.5,
4177480.8,      18.5,      18.5,       0.0);
     ( 638577.5, 4177491.6,      18.6,      18.6,       0.0);         ( 638632.3,
4177435.1,      18.8,      18.8,       0.0);
     ( 638652.8, 4177445.4,      18.9,      18.9,       0.0);         ( 638673.3,
4177455.7,      18.9,      18.9,       0.0);
     ( 638693.9, 4177466.0,      18.8,      18.8,       0.0);         ( 638714.4,
4177476.3,      19.1,      19.1,       0.0);
     ( 638734.9, 4177486.6,      19.0,      19.0,       0.0);         ( 638621.1,
4177457.5,      18.7,      18.7,       0.0);
     ( 638641.6, 4177467.8,      18.7,      18.7,       0.0);         ( 638662.1,
4177478.1,      18.6,      18.6,       0.0);
     ( 638682.6, 4177488.4,      18.6,      18.6,       0.0);         ( 638703.2,
4177498.7,      18.7,      18.7,       0.0);
     ( 638723.7, 4177508.9,      19.0,      19.0,       0.0);         ( 638609.9,
4177479.8,      18.6,      18.6,       0.0);
     ( 638630.4, 4177490.1,      18.6,      18.6,       0.0);         ( 638650.9,
4177500.4,      18.7,      18.7,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638671.4, 4177510.7, 18.7, 18.7, 0.0); (638692.0, 4177521.0, 18.7, 18.7, 0.0);
(638712.5, 4177531.3, 18.9, 18.9, 0.0); (638598.7, 4177502.2, 18.7, 18.7, 0.0);
(638619.2, 4177512.5, 18.7, 18.7, 0.0); (638639.7, 4177522.8, 18.6, 18.6, 0.0);
(638660.2, 4177533.1, 18.5, 18.5, 0.0); (638680.7, 4177543.3, 18.6, 18.6, 0.0);
(638701.2, 4177553.6, 18.8, 18.8, 0.0); (638774.7, 4177506.1, 19.0, 19.0, 0.0);
(638814.3, 4177525.5, 18.7, 18.7, 0.0); (638854.0, 4177544.9, 18.3, 18.3, 0.0);
(638893.6, 4177564.3, 18.4, 18.4, 0.0); (638763.7, 4177528.6, 18.9, 18.9, 0.0);
(638803.3, 4177548.0, 18.4, 18.4, 0.0); (638843.0, 4177567.4, 18.2, 18.2, 0.0);
(638882.6, 4177586.8, 18.0, 18.0, 0.0); (638732.9, 4177541.3, 18.7, 18.7, 0.0);
(638772.5, 4177560.7, 18.4, 18.4, 0.0); (638812.2, 4177580.1, 18.0, 18.0, 0.0);
(638851.8, 4177599.5, 17.8, 17.8, 0.0); (638721.9, 4177563.8, 18.7, 18.7, 0.0);
(638761.5, 4177583.2, 18.4, 18.4, 0.0); (638801.2, 4177602.6, 18.1, 18.1, 0.0);
(638840.8, 4177622.0, 17.6, 17.6, 0.0); (638915.7, 4177574.8, 18.3, 18.3, 0.0);
(638937.5, 4177585.2, 18.2, 18.2, 0.0); (638959.4, 4177595.6, 18.1, 18.1, 0.0);
(638981.3, 4177606.0, 17.9, 17.9, 0.0); (638905.0, 4177597.4, 18.0, 18.0, 0.0);
(638926.8, 4177607.8, 17.9, 17.9, 0.0); (638948.7, 4177618.2, 17.8, 17.8, 0.0);
(638970.5, 4177628.5, 17.8, 17.8, 0.0); (638872.4, 4177609.6, 17.7, 17.7, 0.0);
(638894.2, 4177620.0, 17.8, 17.8, 0.0); (638916.1, 4177630.4, 17.8, 17.8, 0.0);
(638937.9, 4177640.7, 17.7, 17.7, 0.0); (638959.8, 4177651.1, 17.6, 17.6, 0.0);
(638861.6, 4177632.2, 17.5, 17.5, 0.0); (638883.5, 4177642.5, 17.7, 17.7, 0.0);
(638905.4, 4177652.9, 17.7, 17.7, 0.0); (638927.2, 4177663.3, 17.2, 17.2, 0.0);
(638949.1, 4177673.7, 17.5, 17.5, 0.0); (639019.3, 4177624.1, 17.7, 17.7, 0.0);
(639057.4, 4177642.3, 17.5, 17.5, 0.0); (639095.5, 4177660.4, 17.5, 17.5, 0.0);
(639008.5, 4177646.7, 17.8, 17.8, 0.0); (639046.6, 4177664.8, 17.7, 17.7, 0.0);
(639084.7, 4177683.0, 17.5, 17.5, 0.0); (638997.8, 4177669.2, 17.7, 17.7, 0.0);
(639035.9, 4177687.4, 17.7, 17.7, 0.0); (639073.9,

```
4177705.6,      17.3,      17.3,       0.0);
     ( 638987.0, 4177691.8,      17.5,      17.5,       0.0);         ( 639025.1,
4177710.0,      17.6,      17.6,       0.0);
     ( 639063.2, 4177728.1,      17.2,      17.2,       0.0);         ( 639133.4,
4177679.8,      17.4,      17.4,       0.0);
     ( 639172.0, 4177699.5,      17.4,      17.4,       0.0);         ( 639122.1,
4177702.1,      17.3,      17.3,       0.0);
     ( 639160.6, 4177721.8,      17.4,      17.4,       0.0);         ( 639110.7,
4177724.4,      17.3,      17.3,       0.0);
     ( 639149.2, 4177744.0,      17.3,      17.3,       0.0);         ( 639099.3,
4177746.6,      17.2,      17.2,       0.0);
     ( 639137.9, 4177766.3,      17.2,      17.2,       0.0);         ( 639193.0,
4177710.0,      17.3,      17.3,       0.0);
     ( 639213.7, 4177720.4,      17.3,      17.3,       0.0);         ( 639234.5,
4177730.8,      17.2,      17.2,       0.0);
     ( 639255.3, 4177741.2,      17.2,      17.2,       0.0);         ( 639276.1,
4177751.6,      17.1,      17.1,       0.0);
     ( 639296.9, 4177761.9,      17.1,      17.1,       0.0);         ( 639181.8,
4177732.3,      17.3,      17.3,       0.0);
     ( 639202.6, 4177742.7,      17.2,      17.2,       0.0);         ( 639223.4,
4177753.1,      16.9,      16.9,       0.0);
     ( 639244.1, 4177763.5,      16.9,      16.9,       0.0);         ( 639264.9,
4177773.9,      17.0,      17.0,       0.0);
     ( 639285.7, 4177784.3,      17.1,      17.1,       0.0);         ( 639170.6,
4177754.7,      17.3,      17.3,       0.0);
     ( 639191.4, 4177765.1,      17.2,      17.2,       0.0);         ( 639212.2,
4177775.5,      17.0,      17.0,       0.0);
     ( 639233.0, 4177785.9,      16.8,      16.8,       0.0);         ( 639253.8,
4177796.3,      16.9,      16.9,       0.0);
     ( 639274.6, 4177806.7,      16.9,      16.9,       0.0);         ( 639159.4,
4177777.0,      17.2,      17.2,       0.0);
     ( 639180.2, 4177787.4,      17.2,      17.2,       0.0);         ( 639201.0,
4177797.8,      17.1,      17.1,       0.0);
     ( 639221.8, 4177808.2,      16.7,      16.7,       0.0);         ( 639242.6,
4177818.6,      16.8,      16.8,       0.0);
     ( 639263.4, 4177829.0,      16.7,      16.7,       0.0);         ( 639317.4,
4177772.4,      17.1,      17.1,       0.0);
     ( 639338.1, 4177782.9,      17.2,      17.2,       0.0);         ( 639358.7,
4177793.4,      17.2,      17.2,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(639379.4, 4177803.8, 17.2, 17.2, 0.0); (639306.1, 4177794.7, 17.2, 17.2, 0.0);
(639326.8, 4177805.1, 17.2, 17.2, 0.0); (639347.4, 4177815.6, 17.1, 17.1, 0.0);
(639368.1, 4177826.1, 17.1, 17.1, 0.0); (639294.8, 4177816.9, 16.9, 16.9, 0.0);
(639315.4, 4177827.4, 16.9, 16.9, 0.0); (639336.1, 4177837.9, 16.9, 16.9, 0.0);
(639356.7, 4177848.4, 17.0, 17.0, 0.0); (639283.4, 4177839.2, 16.6, 16.6, 0.0);
(639304.1, 4177849.7, 16.6, 16.6, 0.0); (639324.8, 4177860.2, 16.6, 16.6, 0.0);
(639345.4, 4177870.7, 16.8, 16.8, 0.0); (639400.5, 4177815.2, 17.2, 17.2, 0.0);
(639422.1, 4177826.9, 17.0, 17.0, 0.0); (639443.8, 4177838.5, 17.0, 17.0, 0.0);
(639388.7, 4177837.2, 16.9, 16.9, 0.0); (639410.3, 4177848.9, 17.0, 17.0, 0.0);
(639431.9, 4177860.5, 16.8, 16.8, 0.0); (639376.8, 4177859.3, 16.9, 16.9, 0.0);
(639398.4, 4177870.9, 16.9, 16.9, 0.0); (639420.1, 4177882.5, 16.6, 16.6, 0.0);
(639386.6, 4177892.9, 16.7, 16.7, 0.0); (639408.2, 4177904.6, 16.6, 16.6, 0.0);
(639466.2, 4177858.3, 16.8, 16.8, 0.0); (639450.0, 4177877.3, 16.8, 16.8, 0.0);
(639447.2, 4177907.8, 16.7, 16.7, 0.0); (639431.0, 4177926.8, 16.5, 16.5, 0.0);
(639484.9, 4177880.4, 16.7, 16.7, 0.0); (639474.0, 4177910.1, 16.7, 16.7, 0.0);
(639454.3, 4177945.2, 16.6, 16.6, 0.0); (639526.1, 4177788.6, 17.9, 17.9, 0.0);
(639505.1, 4177778.0, 17.8, 17.8, 0.0); (639484.0, 4177767.3, 17.6, 17.6, 0.0);
(639462.9, 4177756.7, 17.6, 17.6, 0.0); (639441.8, 4177746.1, 17.9, 17.9, 0.0);
(639420.8, 4177735.5, 17.9, 17.9, 0.0); (639399.7, 4177724.9, 18.0, 18.0, 0.0);
(639378.6, 4177714.3, 18.0, 18.0, 0.0); (639357.6, 4177703.7, 17.9, 17.9, 0.0);
(639336.5, 4177693.1, 18.1, 18.1, 0.0); (639315.4, 4177682.5, 18.2, 18.2, 0.0);
(639547.3, 4177775.2, 17.5, 17.5, 0.0); (639516.3, 4177755.6, 18.1, 18.1, 0.0);
(639495.2, 4177745.0, 17.6, 17.6, 0.0); (639474.2, 4177734.4, 17.9, 17.9, 0.0);
(639453.1, 4177723.8, 17.7, 17.7, 0.0); (639432.0, 4177713.2, 17.6, 17.6, 0.0);
(639410.9, 4177702.6, 17.8, 17.8, 0.0); (639389.9, 4177692.0, 18.0, 18.0, 0.0);
(639368.8, 4177681.4, 17.9, 17.9, 0.0); (639347.7,

```
4177670.8,      18.0,      18.0,       0.0);
     ( 639326.6, 4177660.1,      18.0,      18.0,       0.0);         ( 639563.5,
4177757.4,      17.7,      17.7,       0.0);
     ( 639527.6, 4177733.3,      18.3,      18.3,       0.0);         ( 639506.5,
4177722.7,      18.1,      18.1,       0.0);
     ( 639485.4, 4177712.1,      17.6,      17.6,       0.0);         ( 639464.3,
4177701.5,      17.7,      17.7,       0.0);
     ( 639443.2, 4177690.9,      17.7,      17.7,       0.0);         ( 639422.2,
4177680.2,      17.9,      17.9,       0.0);
     ( 639401.1, 4177669.6,      18.0,      18.0,       0.0);         ( 639380.0,
4177659.0,      17.9,      17.9,       0.0);
     ( 639359.0, 4177648.4,      18.0,      18.0,       0.0);         ( 639337.9,
4177637.8,      18.1,      18.1,       0.0);
     ( 639573.1, 4177733.6,      17.7,      17.7,       0.0);         ( 639538.8,
4177711.0,      18.2,      18.2,       0.0);
     ( 639517.7, 4177700.4,      18.1,      18.1,       0.0);         ( 639496.6,
4177689.8,      17.8,      17.8,       0.0);
     ( 639475.6, 4177679.1,      17.9,      17.9,       0.0);         ( 639454.5,
4177668.5,      18.0,      18.0,       0.0);
     ( 639433.4, 4177657.9,      18.2,      18.2,       0.0);         ( 639412.4,
4177647.3,      18.2,      18.2,       0.0);
     ( 639391.3, 4177636.7,      18.1,      18.1,       0.0);         ( 639370.2,
4177626.1,      18.0,      18.0,       0.0);
     ( 639349.1, 4177615.5,      17.8,      17.8,       0.0);         ( 639293.9,
4177671.3,      18.2,      18.2,       0.0);
     ( 639272.1, 4177660.0,      18.1,      18.1,       0.0);         ( 639250.3,
4177648.8,      18.1,      18.1,       0.0);
     ( 639228.6, 4177637.5,      18.1,      18.1,       0.0);         ( 639206.8,
4177626.2,      18.2,      18.2,       0.0);
     ( 639185.0, 4177614.9,      18.2,      18.2,       0.0);         ( 639163.2,
4177603.7,      18.2,      18.2,       0.0);
     ( 639141.5, 4177592.4,      18.3,      18.3,       0.0);         ( 639119.7,
4177581.1,      18.3,      18.3,       0.0);
     ( 639097.9, 4177569.8,      18.5,      18.5,       0.0);         ( 639076.1,
4177558.6,      18.5,      18.5,       0.0);
     ( 639305.4, 4177649.1,      18.1,      18.1,       0.0);         ( 639283.6,
4177637.8,      18.1,      18.1,       0.0);
     ( 639261.8, 4177626.6,      18.1,      18.1,       0.0);         ( 639240.1,
4177615.3,      18.1,      18.1,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(639218.3, 4177604.0, 18.2, 18.2, 0.0); (639196.5, 4177592.8, 18.2, 18.2, 0.0);
(639174.7, 4177581.5, 18.2, 18.2, 0.0); (639153.0, 4177570.2, 18.2, 18.2, 0.0);
(639131.2, 4177558.9, 18.3, 18.3, 0.0); (639109.4, 4177547.6, 18.4, 18.4, 0.0);
(639087.6, 4177536.4, 18.4, 18.4, 0.0); (639316.9, 4177626.9, 18.0, 18.0, 0.0);
(639295.1, 4177615.6, 17.9, 17.9, 0.0); (639273.3, 4177604.4, 18.1, 18.1, 0.0);
(639251.5, 4177593.1, 18.2, 18.2, 0.0); (639229.8, 4177581.8, 18.2, 18.2, 0.0);
(639208.0, 4177570.5, 18.2, 18.2, 0.0); (639186.2, 4177559.3, 18.3, 18.3, 0.0);
(639164.4, 4177548.0, 18.3, 18.3, 0.0); (639142.7, 4177536.7, 18.4, 18.4, 0.0);
(639120.9, 4177525.4, 18.4, 18.4, 0.0); (639099.1, 4177514.2, 18.5, 18.5, 0.0);
(639328.4, 4177604.7, 17.8, 17.8, 0.0); (639306.6, 4177593.4, 18.0, 18.0, 0.0);
(639284.8, 4177582.2, 17.9, 17.9, 0.0); (639263.0, 4177570.9, 17.9, 17.9, 0.0);
(639241.3, 4177559.6, 18.1, 18.1, 0.0); (639219.5, 4177548.3, 18.1, 18.1, 0.0);
(639197.7, 4177537.1, 18.2, 18.2, 0.0); (639175.9, 4177525.8, 18.3, 18.3, 0.0);
(639154.2, 4177514.5, 18.4, 18.4, 0.0); (639132.4, 4177503.2, 18.5, 18.5, 0.0);
(639110.6, 4177492.0, 18.8, 18.8, 0.0); (639038.4, 4177538.5, 18.6, 18.6, 0.0);
(639000.4, 4177518.2, 18.7, 18.7, 0.0); (638962.5, 4177498.0, 18.8, 18.8, 0.0);
(639050.2, 4177516.4, 18.6, 18.6, 0.0); (639012.2, 4177496.1, 18.7, 18.7, 0.0);
(638974.2, 4177475.9, 18.9, 18.9, 0.0); (639062.0, 4177494.3, 18.6, 18.6, 0.0);
(639024.0, 4177474.1, 18.8, 18.8, 0.0); (638986.0, 4177453.8, 18.9, 18.9, 0.0);
(639073.7, 4177472.3, 18.8, 18.8, 0.0); (639035.7, 4177452.0, 18.9, 18.9, 0.0);
(638997.8, 4177431.8, 19.2, 19.2, 0.0); (638953.9, 4177465.1, 18.8, 18.8, 0.0);
(638756.9, 4177367.8, 19.2, 19.2, 0.0); (638735.1, 4177357.0, 19.1, 19.1, 0.0);
(638964.9, 4177442.6, 19.0, 19.0, 0.0); (638943.1, 4177431.8, 19.2, 19.2, 0.0);
(638811.8, 4177367.0, 19.3, 19.3, 0.0); (638789.9, 4177356.2, 19.1, 19.1, 0.0);
(638768.0, 4177345.4, 19.3, 19.3, 0.0); (638746.1, 4177334.6, 19.2, 19.2, 0.0);
(638976.0, 4177420.2, 19.2, 19.2, 0.0); (638954.1,

```
4177409.4,      19.3,      19.3,       0.0);
     ( 638932.2, 4177398.6,      19.3,      19.3,       0.0);         ( 638844.7,
4177355.4,      19.2,      19.2,       0.0);
     ( 638822.8, 4177344.6,      19.3,      19.3,       0.0);         ( 638801.0,
4177333.8,      19.1,      19.1,       0.0);
     ( 638779.1, 4177323.0,      18.9,      18.9,       0.0);         ( 638757.2,
4177312.1,      19.4,      19.4,       0.0);
     ( 638702.6, 4177369.1,      19.1,      19.1,       0.0);         ( 638681.4,
4177358.8,      19.2,      19.2,       0.0);
     ( 638660.2, 4177348.6,      19.3,      19.3,       0.0);         ( 638639.0,
4177338.4,      19.4,      19.4,       0.0);
     ( 638617.8, 4177328.2,      19.5,      19.5,       0.0);         ( 638596.6,
4177317.9,      19.6,      19.6,       0.0);
     ( 638575.4, 4177307.7,      19.9,      19.9,       0.0);         ( 638554.2,
4177297.5,      20.0,      20.0,       0.0);
     ( 638533.0, 4177287.3,      20.1,      20.1,       0.0);         ( 638713.4,
4177346.5,      19.2,      19.2,       0.0);
     ( 638692.2, 4177336.3,      19.0,      19.0,       0.0);         ( 638671.0,
4177326.1,      19.2,      19.2,       0.0);
     ( 638649.8, 4177315.9,      19.5,      19.5,       0.0);         ( 638628.6,
4177305.6,      19.6,      19.6,       0.0);
     ( 638607.4, 4177295.4,      19.8,      19.8,       0.0);         ( 638586.2,
4177285.2,      20.0,      20.0,       0.0);
     ( 638565.0, 4177275.0,      20.1,      20.1,       0.0);         ( 638543.8,
4177264.8,      20.1,      20.1,       0.0);
     ( 638724.3, 4177324.0,      19.2,      19.2,       0.0);         ( 638703.1,
4177313.8,      19.2,      19.2,       0.0);
     ( 638681.9, 4177303.6,      19.4,      19.4,       0.0);         ( 638660.7,
4177293.3,      19.8,      19.8,       0.0);
     ( 638639.5, 4177283.1,      20.0,      20.0,       0.0);         ( 638618.3,
4177272.9,      20.0,      20.0,       0.0);
     ( 638597.1, 4177262.7,      20.3,      20.3,       0.0);         ( 638575.9,
4177252.5,      20.2,      20.2,       0.0);
     ( 638554.7, 4177242.2,      20.4,      20.4,       0.0);         ( 638735.2,
4177301.5,      19.4,      19.4,       0.0);
     ( 638714.0, 4177291.3,      19.4,      19.4,       0.0);         ( 638692.7,
4177281.1,      19.6,      19.6,       0.0);
     ( 638671.5, 4177270.8,      19.8,      19.8,       0.0);         ( 638650.3,
4177260.6,      20.0,      20.0,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638629.1, 4177250.4, 20.2, 20.2, 0.0); (638607.9, 4177240.2, 20.2, 20.2, 0.0);
(638586.7, 4177229.9, 20.2, 20.2, 0.0); (638565.5, 4177219.7, 20.2, 20.2, 0.0);
(638510.9, 4177276.3, 20.0, 20.0, 0.0); (638488.7, 4177265.3, 19.9, 19.9, 0.0);
(638466.4, 4177254.2, 20.0, 20.0, 0.0); (638444.1, 4177243.2, 20.1, 20.1, 0.0);
(638421.8, 4177232.1, 20.2, 20.2, 0.0); (638399.6, 4177221.1, 20.2, 20.2, 0.0);
(638377.3, 4177210.0, 20.3, 20.3, 0.0); (638522.1, 4177253.9, 20.0, 20.0, 0.0);
(638499.8, 4177242.9, 20.0, 20.0, 0.0); (638477.5, 4177231.8, 20.1, 20.1, 0.0);
(638455.2, 4177220.8, 20.1, 20.1, 0.0); (638433.0, 4177209.8, 20.2, 20.2, 0.0);
(638410.7, 4177198.7, 20.2, 20.2, 0.0); (638388.4, 4177187.7, 20.2, 20.2, 0.0);
(638533.2, 4177231.6, 20.1, 20.1, 0.0); (638510.9, 4177220.5, 20.1, 20.1, 0.0);
(638488.6, 4177209.5, 20.3, 20.3, 0.0); (638466.3, 4177198.4, 20.3, 20.3, 0.0);
(638444.1, 4177187.4, 20.4, 20.4, 0.0); (638421.8, 4177176.3, 20.4, 20.4, 0.0);
(638399.5, 4177165.3, 20.2, 20.2, 0.0); (638544.3, 4177209.2, 20.2, 20.2, 0.0);
(638522.0, 4177198.1, 20.3, 20.3, 0.0); (638499.7, 4177187.1, 20.3, 20.3, 0.0);
(638477.4, 4177176.0, 20.2, 20.2, 0.0); (638455.2, 4177165.0, 20.2, 20.2, 0.0);
(638432.9, 4177153.9, 20.2, 20.2, 0.0); (638410.6, 4177142.9, 20.2, 20.2, 0.0);
(638354.7, 4177198.9, 20.5, 20.5, 0.0); (638332.6, 4177188.3, 20.4, 20.4, 0.0);
(638310.5, 4177177.7, 20.6, 20.6, 0.0); (638288.4, 4177167.1, 20.5, 20.5, 0.0);
(638266.4, 4177156.5, 20.8, 20.8, 0.0); (638244.3, 4177145.9, 20.7, 20.7, 0.0);
(638222.2, 4177135.3, 20.6, 20.6, 0.0); (638200.1, 4177124.7, 21.0, 21.0, 0.0);
(638178.0, 4177114.1, 20.9, 20.9, 0.0); (638155.9, 4177103.5, 21.1, 21.1, 0.0);
(638133.8, 4177092.9, 21.0, 21.0, 0.0); (638111.7, 4177082.3, 21.1, 21.1, 0.0);
(638089.6, 4177071.7, 21.0, 21.0, 0.0); (638067.6, 4177061.1, 21.1, 21.1, 0.0);
(638365.5, 4177176.3, 20.4, 20.4, 0.0); (638343.4, 4177165.7, 20.5, 20.5, 0.0);
(638321.3, 4177155.1, 20.5, 20.5, 0.0); (638299.2, 4177144.5, 20.6, 20.6, 0.0);
(638277.2, 4177133.9, 20.9, 20.9, 0.0); (638255.1,

```
4177123.3,      20.9,      20.9,       0.0);
     ( 638233.0, 4177112.8,      21.0,      21.0,       0.0);         ( 638210.9,
4177102.2,      21.3,      21.3,       0.0);
     ( 638188.8, 4177091.6,      21.2,      21.2,       0.0);         ( 638166.7,
4177081.0,      21.2,      21.2,       0.0);
     ( 638144.6, 4177070.4,      21.3,      21.3,       0.0);         ( 638122.5,
4177059.8,      21.3,      21.3,       0.0);
     ( 638100.5, 4177049.2,      21.1,      21.1,       0.0);         ( 638078.4,
4177038.6,      21.2,      21.2,       0.0);
     ( 638376.3, 4177153.8,      20.4,      20.4,       0.0);         ( 638354.2,
4177143.2,      20.6,      20.6,       0.0);
     ( 638332.2, 4177132.6,      20.5,      20.5,       0.0);         ( 638310.1,
4177122.0,      20.9,      20.9,       0.0);
     ( 638288.0, 4177111.4,      20.9,      20.9,       0.0);         ( 638265.9,
4177100.8,      21.0,      21.0,       0.0);
     ( 638243.8, 4177090.2,      21.1,      21.1,       0.0);         ( 638221.7,
4177079.6,      21.2,      21.2,       0.0);
     ( 638199.6, 4177069.0,      21.5,      21.5,       0.0);         ( 638177.5,
4177058.4,      21.5,      21.5,       0.0);
     ( 638155.4, 4177047.8,      21.6,      21.6,       0.0);         ( 638133.4,
4177037.2,      21.3,      21.3,       0.0);
     ( 638111.3, 4177026.7,      21.4,      21.4,       0.0);         ( 638089.2,
4177016.1,      21.4,      21.4,       0.0);
     ( 638387.1, 4177131.2,      20.3,      20.3,       0.0);         ( 638365.1,
4177120.6,      20.4,      20.4,       0.0);
     ( 638343.0, 4177110.0,      20.5,      20.5,       0.0);         ( 638320.9,
4177099.4,      20.8,      20.8,       0.0);
     ( 638298.8, 4177088.9,      20.9,      20.9,       0.0);         ( 638276.7,
4177078.3,      20.8,      20.8,       0.0);
     ( 638254.6, 4177067.7,      20.9,      20.9,       0.0);         ( 638232.5,
4177057.1,      21.2,      21.2,       0.0);
     ( 638210.4, 4177046.5,      21.5,      21.5,       0.0);         ( 638188.3,
4177035.9,      21.6,      21.6,       0.0);
     ( 638166.2, 4177025.3,      21.6,      21.6,       0.0);         ( 638144.2,
4177014.7,      21.8,      21.8,       0.0);
     ( 638122.1, 4177004.1,      21.6,      21.6,       0.0);         ( 638100.0,
4176993.5,      21.4,      21.4,       0.0);
     ( 638046.0, 4177050.1,      21.3,      21.3,       0.0);         ( 638024.0,
4177038.8,      21.1,      21.1,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638001.9, 4177027.5, 21.4, 21.4, 0.0); (637979.8, 4177016.2, 21.5, 21.5, 0.0);
(637957.7, 4177004.9, 21.6, 21.6, 0.0); (637935.6, 4176993.6, 21.6, 21.6, 0.0);
(637913.5, 4176982.3, 21.2, 21.2, 0.0); (637891.4, 4176971.0, 21.2, 21.2, 0.0);
(637869.4, 4176959.7, 21.2, 21.2, 0.0); (637847.3, 4176948.4, 21.1, 21.1, 0.0);
(637825.2, 4176937.1, 20.7, 20.7, 0.0); (637803.1, 4176925.8, 20.7, 20.7, 0.0);
(637781.0, 4176914.5, 20.7, 20.7, 0.0); (637758.9, 4176903.2, 20.6, 20.6, 0.0);
(637736.8, 4176891.9, 20.6, 20.6, 0.0); (637714.7, 4176880.6, 20.8, 20.8, 0.0);
(638057.4, 4177027.9, 21.4, 21.4, 0.0); (638035.3, 4177016.6, 21.1, 21.1, 0.0);
(638013.2, 4177005.3, 21.5, 21.5, 0.0); (637991.2, 4176994.0, 21.1, 21.1, 0.0);
(637969.1, 4176982.7, 21.5, 21.5, 0.0); (637947.0, 4176971.4, 21.4, 21.4, 0.0);
(637924.9, 4176960.1, 21.2, 21.2, 0.0); (637902.8, 4176948.8, 21.5, 21.5, 0.0);
(637880.7, 4176937.5, 21.8, 21.8, 0.0); (637858.7, 4176926.2, 21.7, 21.7, 0.0);
(637836.6, 4176914.8, 21.7, 21.7, 0.0); (637814.5, 4176903.5, 21.6, 21.6, 0.0);
(637792.4, 4176892.2, 21.6, 21.6, 0.0); (637770.3, 4176880.9, 21.6, 21.6, 0.0);
(637748.2, 4176869.6, 21.6, 21.6, 0.0); (637726.1, 4176858.3, 21.6, 21.6, 0.0);
(638068.8, 4177005.6, 21.4, 21.4, 0.0); (638046.7, 4176994.3, 21.7, 21.7, 0.0);
(638024.6, 4176983.0, 21.3, 21.3, 0.0); (638002.6, 4176971.7, 21.3, 21.3, 0.0);
(637980.5, 4176960.4, 21.5, 21.5, 0.0); (637958.4, 4176949.1, 21.6, 21.6, 0.0);
(637936.3, 4176937.8, 21.0, 21.0, 0.0); (637914.2, 4176926.5, 21.1, 21.1, 0.0);
(637892.1, 4176915.2, 22.0, 22.0, 0.0); (637870.0, 4176903.9, 21.9, 21.9, 0.0);
(637848.0, 4176892.6, 21.7, 21.7, 0.0); (637825.9, 4176881.3, 21.6, 21.6, 0.0);
(637803.8, 4176870.0, 21.5, 21.5, 0.0); (637781.7, 4176858.7, 21.5, 21.5, 0.0);
(637759.6, 4176847.4, 21.4, 21.4, 0.0); (637737.5, 4176836.1, 21.4, 21.4, 0.0);
(638058.1, 4176972.1, 21.7, 21.7, 0.0); (638036.0, 4176960.8, 21.4, 21.4, 0.0);
(638014.0, 4176949.5, 21.6, 21.6, 0.0); (637991.9, 4176938.2, 21.3, 21.3, 0.0);
(637969.8, 4176926.9, 21.7, 21.7, 0.0); (637947.7,

```
4176915.5,      21.2,      21.2,       0.0);
     ( 637925.6, 4176904.2,      20.9,      20.9,       0.0);         ( 637903.5,
4176892.9,      21.5,      21.5,       0.0);
     ( 637881.4, 4176881.6,      21.6,      21.6,       0.0);         ( 637859.3,
4176870.3,      21.6,      21.6,       0.0);
     ( 637837.2, 4176859.0,      21.6,      21.6,       0.0);         ( 637815.2,
4176847.7,      21.6,      21.6,       0.0);
     ( 637793.1, 4176836.4,      21.6,      21.6,       0.0);         ( 637771.0,
4176825.1,      21.5,      21.5,       0.0);
     ( 637748.9, 4176813.8,      21.3,      21.3,       0.0);         ( 637693.3,
4176869.9,      20.9,      20.9,       0.0);
     ( 637672.1, 4176859.3,      21.0,      21.0,       0.0);         ( 637650.9,
4176848.8,      21.0,      21.0,       0.0);
     ( 637629.7, 4176838.2,      21.0,      21.0,       0.0);         ( 637608.5,
4176827.7,      21.1,      21.1,       0.0);
     ( 637587.3, 4176817.1,      21.2,      21.2,       0.0);         ( 637566.1,
4176806.5,      21.2,      21.2,       0.0);
     ( 637544.9, 4176796.0,      21.3,      21.3,       0.0);         ( 637523.7,
4176785.4,      21.3,      21.3,       0.0);
     ( 637502.5, 4176774.8,      21.3,      21.3,       0.0);         ( 637481.3,
4176764.3,      21.5,      21.5,       0.0);
     ( 637460.2, 4176753.7,      21.6,      21.6,       0.0);         ( 637439.0,
4176743.1,      21.6,      21.6,       0.0);
     ( 637417.8, 4176732.6,      21.7,      21.7,       0.0);         ( 637396.6,
4176722.0,      21.6,      21.6,       0.0);
     ( 637375.4, 4176711.4,      21.5,      21.5,       0.0);         ( 637354.2,
4176700.9,      21.2,      21.2,       0.0);
     ( 637333.0, 4176690.3,      21.1,      21.1,       0.0);         ( 637704.5,
4176847.5,      21.6,      21.6,       0.0);
     ( 637683.3, 4176837.0,      21.6,      21.6,       0.0);         ( 637662.1,
4176826.4,      21.7,      21.7,       0.0);
     ( 637640.9, 4176815.8,      21.8,      21.8,       0.0);         ( 637619.7,
4176805.3,      21.7,      21.7,       0.0);
     ( 637598.5, 4176794.7,      21.7,      21.7,       0.0);         ( 637577.3,
4176784.1,      21.8,      21.8,       0.0);
     ( 637556.1, 4176773.6,      21.9,      21.9,       0.0);         ( 637534.9,
4176763.0,      21.8,      21.8,       0.0);
     ( 637513.7, 4176752.5,      21.8,      21.8,       0.0);         ( 637492.5,
4176741.9,      21.8,      21.8,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637471.3, 4176731.3, 21.7, 21.7, 0.0); (637450.1, 4176720.8, 21.7, 21.7, 0.0);
(637428.9, 4176710.2, 21.7, 21.7, 0.0); (637407.7, 4176699.6, 21.6, 21.6, 0.0);
(637386.5, 4176689.1, 21.5, 21.5, 0.0); (637365.3, 4176678.5, 21.4, 21.4, 0.0);
(637344.1, 4176667.9, 21.4, 21.4, 0.0); (637715.6, 4176825.2, 21.4, 21.4, 0.0);
(637694.4, 4176814.6, 21.3, 21.3, 0.0); (637673.2, 4176804.0, 21.7, 21.7, 0.0);
(637652.0, 4176793.5, 21.8, 21.8, 0.0); (637630.8, 4176782.9, 21.5, 21.5, 0.0);
(637609.6, 4176772.3, 21.3, 21.3, 0.0); (637588.4, 4176761.8, 21.4, 21.4, 0.0);
(637567.2, 4176751.2, 21.5, 21.5, 0.0); (637546.0, 4176740.6, 21.4, 21.4, 0.0);
(637524.8, 4176730.1, 21.4, 21.4, 0.0); (637503.7, 4176719.5, 21.3, 21.3, 0.0);
(637482.5, 4176709.0, 21.3, 21.3, 0.0); (637461.2, 4176698.4, 21.3, 21.3, 0.0);
(637440.1, 4176687.8, 21.4, 21.4, 0.0); (637418.9, 4176677.3, 21.4, 21.4, 0.0);
(637397.7, 4176666.7, 21.3, 21.3, 0.0); (637376.5, 4176656.1, 21.2, 21.2, 0.0);
(637355.3, 4176645.6, 21.2, 21.2, 0.0); (637726.8, 4176802.8, 21.4, 21.4, 0.0);
(637705.6, 4176792.2, 21.2, 21.2, 0.0); (637684.4, 4176781.7, 21.6, 21.6, 0.0);
(637663.2, 4176771.1, 21.8, 21.8, 0.0); (637642.0, 4176760.5, 21.1, 21.1, 0.0);
(637620.8, 4176750.0, 21.3, 21.3, 0.0); (637599.6, 4176739.4, 21.4, 21.4, 0.0);
(637578.4, 4176728.8, 21.5, 21.5, 0.0); (637557.2, 4176718.3, 21.5, 21.5, 0.0);
(637536.0, 4176707.7, 21.4, 21.4, 0.0); (637514.8, 4176697.1, 21.3, 21.3, 0.0);
(637493.6, 4176686.6, 20.9, 20.9, 0.0); (637472.4, 4176676.0, 21.3, 21.3, 0.0);
(637451.2, 4176665.4, 21.5, 21.5, 0.0); (637430.0, 4176654.9, 21.3, 21.3, 0.0);
(637408.8, 4176644.3, 21.3, 21.3, 0.0); (637387.6, 4176633.8, 21.3, 21.3, 0.0);
(637366.4, 4176623.2, 21.3, 21.3, 0.0); (637311.3, 4176679.5, 21.1, 21.1, 0.0);
(637289.6, 4176668.6, 21.1, 21.1, 0.0); (637267.9, 4176657.7, 20.9, 20.9, 0.0);
(637246.2, 4176646.8, 20.7, 20.7, 0.0); (637224.5, 4176635.9, 20.8, 21.9, 0.0);
(637202.8, 4176625.0, 22.1, 22.1, 0.0); (637181.1, 4176614.1, 20.7, 20.7, 0.0);
(637159.4, 4176603.2, 20.6, 20.6, 0.0); (637137.7,

```
4176592.3,      20.7,      20.7,       0.0);
     ( 637116.0, 4176581.4,      20.6,      20.6,       0.0);         ( 637094.3,
4176570.5,      20.4,      20.4,       0.0);
     ( 637072.6, 4176559.6,      20.4,      20.4,       0.0);         ( 637050.9,
4176548.7,      20.4,      20.4,       0.0);
     ( 637029.2, 4176537.8,      20.4,      20.4,       0.0);         ( 637007.5,
4176526.9,      20.5,      20.5,       0.0);
     ( 636985.8, 4176516.0,      20.5,      20.5,       0.0);         ( 636964.1,
4176505.1,      20.5,      20.5,       0.0);
     ( 636942.4, 4176494.2,      20.5,      20.5,       0.0);         ( 636920.7,
4176483.3,      20.5,      20.5,       0.0);
     ( 636899.0, 4176472.4,      20.6,      20.6,       0.0);         ( 636877.3,
4176461.5,      20.5,      20.5,       0.0);
     ( 637322.6, 4176657.1,      21.4,      21.4,       0.0);         ( 637300.8,
4176646.2,      21.4,      21.4,       0.0);
     ( 637279.1, 4176635.3,      21.5,      21.5,       0.0);         ( 637257.4,
4176624.4,      21.3,      21.5,       0.0);
     ( 637235.7, 4176613.5,      21.1,      21.3,       0.0);         ( 637214.0,
4176602.6,      21.7,      21.7,       0.0);
     ( 637192.3, 4176591.7,      21.0,      21.0,       0.0);         ( 637170.6,
4176580.8,      20.9,      20.9,       0.0);
     ( 637148.9, 4176569.9,      20.9,      20.9,       0.0);         ( 637127.2,
4176559.0,      20.6,      20.6,       0.0);
     ( 637105.5, 4176548.2,      20.4,      20.4,       0.0);         ( 637083.8,
4176537.3,      20.5,      20.5,       0.0);
     ( 637062.1, 4176526.4,      20.6,      20.6,       0.0);         ( 637040.4,
4176515.5,      20.8,      20.8,       0.0);
     ( 637018.7, 4176504.6,      20.8,      20.8,       0.0);         ( 636997.0,
4176493.7,      20.8,      20.8,       0.0);
     ( 636975.3, 4176482.8,      20.8,      20.8,       0.0);         ( 636953.6,
4176471.9,      20.9,      20.9,       0.0);
     ( 636931.9, 4176461.0,      20.9,      20.9,       0.0);         ( 636910.2,
4176450.1,      20.8,      20.8,       0.0);
     ( 636888.5, 4176439.2,      20.8,      20.8,       0.0);         ( 637333.8,
4176634.8,      21.3,      21.3,       0.0);
     ( 637312.1, 4176623.9,      21.3,      21.3,       0.0);         ( 637290.4,
4176613.0,      21.2,      21.2,       0.0);
     ( 637268.7, 4176602.1,      20.6,      21.0,       0.0);         ( 637247.0,
4176591.2,      20.9,      20.9,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637225.2, 4176580.3, 21.3, 21.3, 0.0); (637203.6, 4176569.4, 21.6, 21.6, 0.0);
(637181.8, 4176558.5, 21.2, 21.2, 0.0); (637160.1, 4176547.6, 21.4, 21.4, 0.0);
(637138.4, 4176536.7, 21.4, 21.4, 0.0); (637116.7, 4176525.8, 20.6, 20.6, 0.0);
(637095.0, 4176514.9, 20.7, 20.7, 0.0); (637073.3, 4176504.0, 20.7, 20.7, 0.0);
(637051.6, 4176493.1, 20.4, 20.4, 0.0); (637029.9, 4176482.2, 20.6, 20.6, 0.0);
(637008.2, 4176471.3, 20.7, 20.7, 0.0); (636986.5, 4176460.4, 20.7, 20.7, 0.0);
(636964.8, 4176449.5, 20.6, 20.6, 0.0); (636943.1, 4176438.6, 20.6, 20.6, 0.0);
(636921.4, 4176427.8, 20.7, 20.7, 0.0); (636899.7, 4176416.9, 20.6, 20.6, 0.0);
(637345.0, 4176612.4, 21.2, 21.2, 0.0); (637323.3, 4176601.5, 21.2, 21.2, 0.0);
(637301.6, 4176590.6, 21.3, 21.3, 0.0); (637279.9, 4176579.7, 19.7, 21.3, 0.0);
(637258.2, 4176568.8, 20.9, 20.9, 0.0); (637236.5, 4176557.9, 21.4, 21.4, 0.0);
(637214.8, 4176547.0, 21.4, 21.4, 0.0); (637193.1, 4176536.2, 21.2, 21.2, 0.0);
(637171.4, 4176525.3, 21.1, 21.1, 0.0); (637149.7, 4176514.4, 21.5, 21.5, 0.0);
(637128.0, 4176503.5, 20.8, 20.8, 0.0); (637106.2, 4176492.6, 20.9, 20.9, 0.0);
(637084.5, 4176481.7, 20.7, 20.7, 0.0); (637062.8, 4176470.8, 20.6, 20.6, 0.0);
(637041.1, 4176459.9, 20.7, 20.7, 0.0); (637019.4, 4176449.0, 20.8, 20.8, 0.0);
(636997.7, 4176438.1, 20.9, 20.9, 0.0); (636976.0, 4176427.2, 20.7, 20.7, 0.0);
(636954.3, 4176416.3, 20.8, 20.8, 0.0); (636932.6, 4176405.4, 21.0, 21.0, 0.0);
(636910.9, 4176394.5, 20.8, 20.8, 0.0); (636855.8, 4176450.7, 20.5, 20.5, 0.0);
(636834.2, 4176439.8, 20.5, 20.5, 0.0); (636812.7, 4176429.0, 20.7, 20.7, 0.0);
(636791.1, 4176418.1, 20.7, 20.7, 0.0); (636769.6, 4176407.2, 20.7, 20.7, 0.0);
(636748.0, 4176396.4, 20.5, 20.5, 0.0); (636726.5, 4176385.5, 20.6, 20.6, 0.0);
(636704.9, 4176374.6, 20.6, 20.6, 0.0); (636683.4, 4176363.8, 20.6, 20.6, 0.0);
(636661.8, 4176352.9, 20.6, 20.6, 0.0); (636640.3, 4176342.0, 20.5, 20.5, 0.0);
(636618.8, 4176331.2, 20.6, 20.6, 0.0); (636597.2, 4176320.3, 20.6, 20.6, 0.0);
(636575.7, 4176309.4, 20.7, 20.7, 0.0); (636554.1,

```
4176298.6,      20.6,      20.6,       0.0);
     ( 636532.6, 4176287.7,      20.7,      20.7,      0.0);         ( 636511.0,
4176276.8,      20.7,      20.7,       0.0);
     ( 636489.5, 4176266.0,      20.7,      20.7,      0.0);         ( 636467.9,
4176255.1,      20.7,      20.7,       0.0);
     ( 636446.4, 4176244.2,      20.8,      20.8,      0.0);         ( 636424.8,
4176233.4,      20.8,      20.8,       0.0);
     ( 636403.3, 4176222.5,      20.8,      20.8,      0.0);         ( 636381.7,
4176211.6,      20.9,      20.9,       0.0);
     ( 636360.2, 4176200.8,      21.1,      21.1,      0.0);         ( 636338.6,
4176189.9,      21.5,      21.5,       0.0);
     ( 636867.0, 4176428.4,      20.8,      20.8,      0.0);         ( 636845.5,
4176417.5,      20.9,      20.9,       0.0);
     ( 636823.9, 4176406.6,      21.0,      21.0,      0.0);         ( 636802.4,
4176395.8,      21.1,      21.1,       0.0);
     ( 636780.8, 4176384.9,      21.2,      21.2,      0.0);         ( 636759.3,
4176374.0,      20.9,      20.9,       0.0);
     ( 636737.7, 4176363.2,      20.8,      20.8,      0.0);         ( 636716.2,
4176352.3,      20.8,      20.8,       0.0);
     ( 636694.6, 4176341.4,      20.7,      20.7,      0.0);         ( 636673.1,
4176330.6,      20.7,      20.7,       0.0);
     ( 636651.6, 4176319.7,      20.7,      20.7,      0.0);         ( 636630.0,
4176308.8,      20.7,      20.7,       0.0);
     ( 636608.5, 4176298.0,      20.8,      20.8,      0.0);         ( 636586.9,
4176287.1,      20.9,      20.9,       0.0);
     ( 636565.4, 4176276.2,      21.1,      21.1,      0.0);         ( 636543.8,
4176265.4,      21.1,      21.1,       0.0);
     ( 636522.3, 4176254.5,      21.1,      21.1,      0.0);         ( 636500.7,
4176243.6,      21.2,      21.2,       0.0);
     ( 636479.2, 4176232.8,      21.3,      21.3,      0.0);         ( 636457.6,
4176221.9,      21.4,      21.4,       0.0);
     ( 636436.1, 4176211.0,      21.6,      21.6,      0.0);         ( 636414.5,
4176200.2,      21.9,      21.9,       0.0);
     ( 636393.0, 4176189.3,      21.9,      21.9,      0.0);         ( 636371.4,
4176178.4,      21.8,      21.8,       0.0);
     ( 636349.9, 4176167.6,      21.5,      21.5,      0.0);         ( 636878.3,
4176406.0,      20.6,      20.6,       0.0);
     ( 636856.7, 4176395.2,      20.7,      20.7,      0.0);         ( 636835.2,
4176384.3,      20.9,      20.9,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(636813.6, 4176373.4, 20.9, 20.9, 0.0); (636792.1, 4176362.6, 21.2, 21.2, 0.0);
(636770.5, 4176351.7, 21.0, 21.0, 0.0); (636749.0, 4176340.9, 20.6, 20.6, 0.0);
(636727.5, 4176330.0, 20.5, 20.5, 0.0); (636705.9, 4176319.1, 20.5, 20.5, 0.0);
(636684.4, 4176308.3, 20.5, 20.5, 0.0); (636662.8, 4176297.4, 20.5, 20.5, 0.0);
(636641.3, 4176286.5, 20.5, 20.5, 0.0); (636619.7, 4176275.7, 20.6, 20.6, 0.0);
(636598.2, 4176264.8, 20.7, 20.7, 0.0); (636576.6, 4176253.9, 20.8, 20.8, 0.0);
(636555.1, 4176243.1, 20.8, 20.8, 0.0); (636533.5, 4176232.2, 20.9, 20.9, 0.0);
(636512.0, 4176221.3, 21.0, 21.0, 0.0); (636490.4, 4176210.5, 21.1, 21.1, 0.0);
(636468.9, 4176199.6, 21.1, 21.1, 0.0); (636447.3, 4176188.7, 21.6, 21.6, 0.0);
(636425.8, 4176177.9, 22.0, 22.0, 0.0); (636404.2, 4176167.0, 21.7, 21.7, 0.0);
(636382.7, 4176156.1, 21.6, 21.6, 0.0); (636361.2, 4176145.3, 21.9, 21.9, 0.0);
(636889.5, 4176383.7, 20.7, 20.7, 0.0); (636868.0, 4176372.9, 20.9, 20.9, 0.0);
(636846.4, 4176362.0, 21.1, 21.1, 0.0); (636824.9, 4176351.1, 20.9, 20.9, 0.0);
(636803.4, 4176340.3, 21.2, 21.2, 0.0); (636781.8, 4176329.4, 21.0, 21.0, 0.0);
(636760.2, 4176318.5, 20.6, 20.6, 0.0); (636738.7, 4176307.7, 20.6, 20.6, 0.0);
(636717.2, 4176296.8, 20.8, 20.8, 0.0); (636695.6, 4176285.9, 20.6, 20.6, 0.0);
(636674.1, 4176275.1, 20.6, 20.6, 0.0); (636652.5, 4176264.2, 20.8, 20.8, 0.0);
(636631.0, 4176253.3, 21.0, 21.0, 0.0); (636609.4, 4176242.5, 20.6, 20.6, 0.0);
(636587.9, 4176231.6, 21.0, 21.0, 0.0); (636566.3, 4176220.7, 21.0, 21.0, 0.0);
(636544.8, 4176209.9, 21.0, 21.0, 0.0); (636523.2, 4176199.0, 21.1, 21.1, 0.0);
(636501.7, 4176188.1, 21.4, 21.4, 0.0); (636480.1, 4176177.3, 21.0, 21.0, 0.0);
(636458.6, 4176166.4, 21.5, 21.5, 0.0); (636437.1, 4176155.5, 21.8, 21.8, 0.0);
(636415.5, 4176144.7, 21.7, 21.7, 0.0); (636394.0, 4176133.8, 21.4, 21.4, 0.0);
(636372.4, 4176122.9, 22.0, 22.0, 0.0); (636311.8, 4176274.7, 20.8, 20.8, 0.0);
(636333.6, 4176285.8, 21.4, 21.4, 0.0); (636355.4, 4176296.8, 20.6, 20.6, 0.0);
(636377.1, 4176307.8, 20.3, 20.3, 0.0); (636398.9,

```
4176318.8,      20.2,      20.2,       0.0);
     ( 636420.7, 4176329.9,      20.2,      20.2,       0.0);         ( 636442.5,
4176340.9,      20.2,      20.2,       0.0);
     ( 636464.3, 4176351.9,      20.1,      20.1,       0.0);         ( 636486.1,
4176362.9,      20.2,      20.2,       0.0);
     ( 636507.9, 4176373.9,      20.2,      20.2,       0.0);         ( 636529.7,
4176385.0,      20.2,      20.2,       0.0);
     ( 636551.5, 4176396.0,      20.2,      20.2,       0.0);         ( 636573.3,
4176407.0,      20.1,      20.1,       0.0);
     ( 636595.1, 4176418.0,      20.1,      20.1,       0.0);         ( 636616.9,
4176429.1,      20.1,      20.1,       0.0);
     ( 636638.6, 4176440.1,      20.1,      20.1,       0.0);         ( 636660.4,
4176451.1,      20.2,      20.2,       0.0);
     ( 636682.2, 4176462.1,      20.0,      20.0,       0.0);         ( 636704.0,
4176473.2,      20.0,      20.0,       0.0);
     ( 636725.8, 4176484.2,      19.8,      19.8,       0.0);         ( 636747.6,
4176495.2,      19.8,      19.8,       0.0);
     ( 636769.4, 4176506.2,      20.0,      20.0,       0.0);         ( 636791.2,
4176517.3,      20.0,      20.0,       0.0);
     ( 636813.0, 4176528.3,      20.2,      20.2,       0.0);         ( 636834.8,
4176539.3,      20.3,      20.3,       0.0);
     ( 636856.6, 4176550.3,      20.2,      20.2,       0.0);         ( 636878.3,
4176561.3,      20.3,      20.3,       0.0);
     ( 636900.1, 4176572.4,      20.3,      20.3,       0.0);         ( 636921.9,
4176583.4,      20.3,      20.3,       0.0);
     ( 636943.7, 4176594.4,      20.3,      20.3,       0.0);         ( 636965.5,
4176605.4,      20.2,      20.2,       0.0);
     ( 636987.3, 4176616.5,      20.2,      20.2,       0.0);         ( 637009.1,
4176627.5,      20.4,      20.4,       0.0);
     ( 637030.9, 4176638.5,      20.5,      20.5,       0.0);         ( 637052.7,
4176649.5,      20.4,      20.4,       0.0);
     ( 637074.5, 4176660.6,      20.4,      20.4,       0.0);         ( 637096.2,
4176671.6,      20.4,      20.4,       0.0);
     ( 637118.0, 4176682.6,      20.6,      20.6,       0.0);         ( 637139.8,
4176693.6,      21.2,      21.2,       0.0);
     ( 636289.8, 4176286.7,      20.6,      20.6,       0.0);         ( 636322.3,
4176308.1,      20.8,      20.8,       0.0);
     ( 636344.1, 4176319.1,      20.6,      20.6,       0.0);         ( 636365.9,
4176330.1,      20.1,      20.1,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(636387.7, 4176341.1, 20.1, 20.1, 0.0); (636409.4, 4176352.2, 20.1, 20.1, 0.0);
(636431.2, 4176363.2, 19.9, 19.9, 0.0); (636453.0, 4176374.2, 19.9, 19.9, 0.0);
(636474.8, 4176385.2, 19.9, 19.9, 0.0); (636496.6, 4176396.3, 19.8, 19.8, 0.0);
(636518.4, 4176407.3, 19.8, 19.8, 0.0); (636540.2, 4176418.3, 19.8, 19.8, 0.0);
(636562.0, 4176429.3, 19.9, 19.9, 0.0); (636583.8, 4176440.4, 19.8, 19.8, 0.0);
(636605.6, 4176451.4, 19.8, 19.8, 0.0); (636627.4, 4176462.4, 19.9, 19.9, 0.0);
(636649.1, 4176473.4, 19.8, 19.8, 0.0); (636670.9, 4176484.4, 19.9, 19.9, 0.0);
(636692.7, 4176495.5, 19.9, 19.9, 0.0); (636714.5, 4176506.5, 19.8, 19.8, 0.0);
(636736.3, 4176517.5, 19.8, 19.8, 0.0); (636758.1, 4176528.5, 19.9, 19.9, 0.0);
(636779.9, 4176539.6, 19.9, 19.9, 0.0); (636801.7, 4176550.6, 20.0, 20.0, 0.0);
(636823.5, 4176561.6, 20.1, 20.1, 0.0); (636845.3, 4176572.6, 20.1, 20.1, 0.0);
(636867.1, 4176583.7, 20.2, 20.2, 0.0); (636888.9, 4176594.7, 20.1, 20.1, 0.0);
(636910.6, 4176605.7, 20.1, 20.1, 0.0); (636932.4, 4176616.7, 20.1, 20.1, 0.0);
(636954.2, 4176627.8, 19.9, 19.9, 0.0); (636976.0, 4176638.8, 19.9, 19.9, 0.0);
(636997.8, 4176649.8, 19.8, 19.8, 0.0); (637019.6, 4176660.8, 19.8, 19.8, 0.0);
(637041.4, 4176671.8, 19.8, 19.8, 0.0); (637063.2, 4176682.9, 20.1, 20.1, 0.0);
(637085.0, 4176693.9, 19.6, 19.6, 0.0); (637106.8, 4176704.9, 20.1, 20.1, 0.0);
(637128.6, 4176715.9, 21.0, 21.0, 0.0); (636273.2, 4176303.8, 19.9, 19.9, 0.0);
(636311.0, 4176330.4, 20.6, 20.6, 0.0); (636332.8, 4176341.4, 20.7, 20.7, 0.0);
(636354.6, 4176352.4, 20.0, 20.0, 0.0); (636376.4, 4176363.4, 19.7, 19.7, 0.0);
(636398.2, 4176374.5, 19.6, 19.6, 0.0); (636420.0, 4176385.5, 19.5, 19.5, 0.0);
(636441.7, 4176396.5, 19.4, 19.4, 0.0); (636463.5, 4176407.5, 19.4, 19.4, 0.0);
(636485.3, 4176418.6, 19.3, 19.3, 0.0); (636507.1, 4176429.6, 19.2, 19.2, 0.0);
(636528.9, 4176440.6, 19.2, 19.2, 0.0); (636550.7, 4176451.6, 19.1, 19.1, 0.0);
(636572.5, 4176462.7, 19.0, 19.0, 0.0); (636594.3, 4176473.7, 19.4, 19.4, 0.0);
(636616.1, 4176484.7, 19.8, 19.8, 0.0); (636637.9,

```
4176495.7,      19.6,      19.6,       0.0);
     ( 636659.7, 4176506.8,      19.4,      19.4,       0.0);         ( 636681.4,
4176517.8,      19.9,      19.9,       0.0);
     ( 636703.2, 4176528.8,      19.7,      19.7,       0.0);         ( 636725.0,
4176539.8,      19.2,      19.2,       0.0);
     ( 636746.8, 4176550.8,      19.3,      19.3,       0.0);         ( 636768.6,
4176561.9,      19.4,      19.4,       0.0);
     ( 636790.4, 4176572.9,      19.4,      19.4,       0.0);         ( 636812.2,
4176583.9,      19.5,      19.5,       0.0);
     ( 636834.0, 4176594.9,      19.6,      19.6,       0.0);         ( 636855.8,
4176606.0,      19.7,      19.7,       0.0);
     ( 636877.6, 4176617.0,      19.6,      19.6,       0.0);         ( 636899.4,
4176628.0,      19.5,      19.5,       0.0);
     ( 636921.1, 4176639.0,      19.4,      19.4,       0.0);         ( 636942.9,
4176650.1,      19.4,      19.4,       0.0);
     ( 636964.7, 4176661.1,      19.3,      19.3,       0.0);         ( 636986.5,
4176672.1,      19.3,      19.3,       0.0);
     ( 637008.3, 4176683.1,      19.6,      19.6,       0.0);         ( 637030.1,
4176694.2,      19.9,      19.9,       0.0);
     ( 637051.9, 4176705.2,      19.9,      19.9,       0.0);         ( 637073.7,
4176716.2,      19.3,      19.3,       0.0);
     ( 637095.5, 4176727.2,      19.9,      19.9,       0.0);         ( 637117.3,
4176738.2,      20.4,      20.4,       0.0);
     ( 636263.7, 4176327.8,      19.6,      19.6,       0.0);         ( 636299.7,
4176352.7,      20.2,      20.2,       0.0);
     ( 636321.5, 4176363.7,      20.3,      20.3,       0.0);         ( 636343.3,
4176374.7,      20.1,      20.1,       0.0);
     ( 636365.1, 4176385.8,      19.9,      19.9,       0.0);         ( 636386.9,
4176396.8,      19.8,      19.8,       0.0);
     ( 636408.7, 4176407.8,      19.5,      19.5,       0.0);         ( 636430.5,
4176418.8,      19.9,      19.9,       0.0);
     ( 636452.2, 4176429.9,      19.9,      19.9,       0.0);         ( 636474.0,
4176440.9,      19.8,      19.8,       0.0);
     ( 636495.8, 4176451.9,      19.7,      19.7,       0.0);         ( 636517.6,
4176462.9,      19.6,      19.6,       0.0);
     ( 636539.4, 4176473.9,      19.6,      19.6,       0.0);         ( 636561.2,
4176485.0,      19.2,      19.2,       0.0);
     ( 636583.0, 4176496.0,      19.3,      19.3,       0.0);         ( 636604.8,
4176507.0,      19.7,      19.7,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(636626.6, 4176518.0, 19.6, 19.6, 0.0); (636648.4, 4176529.1, 19.4, 19.4, 0.0);
(636670.2, 4176540.1, 19.8, 19.8, 0.0); (636692.0, 4176551.1, 19.7, 19.7, 0.0);
(636713.7, 4176562.1, 19.1, 19.1, 0.0); (636735.5, 4176573.2, 19.8, 19.8, 0.0);
(636757.3, 4176584.2, 20.0, 20.0, 0.0); (636779.1, 4176595.2, 20.0, 20.0, 0.0);
(636800.9, 4176606.2, 20.0, 20.0, 0.0); (636822.7, 4176617.2, 20.1, 20.1, 0.0);
(636844.5, 4176628.3, 20.1, 20.1, 0.0); (636866.3, 4176639.3, 20.2, 20.2, 0.0);
(636888.1, 4176650.3, 20.1, 20.1, 0.0); (636909.9, 4176661.3, 20.0, 20.0, 0.0);
(636931.7, 4176672.4, 19.9, 19.9, 0.0); (636953.4, 4176683.4, 19.8, 19.8, 0.0);
(636975.2, 4176694.4, 19.7, 19.7, 0.0); (636997.0, 4176705.4, 19.3, 19.3, 0.0);
(637018.8, 4176716.5, 19.1, 19.1, 0.0); (637040.6, 4176727.5, 19.4, 19.4, 0.0);
(637062.4, 4176738.5, 19.3, 19.3, 0.0); (637084.2, 4176749.5, 19.7, 19.7, 0.0);
(637106.0, 4176760.6, 19.9, 19.9, 0.0); (637161.7, 4176704.4, 21.9, 21.9, 0.0);
(637183.3, 4176714.9, 19.0, 22.2, 0.0); (637204.9, 4176725.5, 20.0, 20.0, 0.0);
(637226.5, 4176736.1, 20.2, 20.2, 0.0); (637248.1, 4176746.7, 20.4, 20.4, 0.0);
(637269.7, 4176757.3, 20.5, 20.5, 0.0); (637291.3, 4176767.9, 20.5, 20.5, 0.0);
(637312.9, 4176778.5, 20.5, 20.5, 0.0); (637334.5, 4176789.1, 20.6, 20.6, 0.0);
(637356.1, 4176799.7, 20.6, 20.6, 0.0); (637377.7, 4176810.3, 20.7, 20.7, 0.0);
(637399.3, 4176820.8, 20.6, 20.6, 0.0); (637420.9, 4176831.4, 20.6, 20.6, 0.0);
(637150.7, 4176726.8, 21.3, 21.3, 0.0); (637172.3, 4176737.4, 19.0, 21.6, 0.0);
(637193.9, 4176748.0, 20.0, 20.0, 0.0); (637215.5, 4176758.6, 19.9, 19.9, 0.0);
(637237.1, 4176769.2, 20.0, 20.0, 0.0); (637258.7, 4176779.8, 20.1, 20.1, 0.0);
(637280.3, 4176790.3, 20.2, 20.2, 0.0); (637301.9, 4176800.9, 20.3, 20.3, 0.0);
(637323.5, 4176811.5, 20.3, 20.3, 0.0); (637345.1, 4176822.1, 20.4, 20.4, 0.0);
(637366.7, 4176832.7, 20.5, 20.5, 0.0); (637388.3, 4176843.3, 20.3, 20.3, 0.0);
(637409.9, 4176853.9, 20.1, 20.1, 0.0); (637139.7, 4176749.3, 20.5, 20.5, 0.0);
(637161.3, 4176759.8, 19.4, 19.4, 0.0); (637182.9,

```
4176770.4,      19.7,      19.7,       0.0);
     ( 637204.5, 4176781.0,      19.2,      19.2,       0.0);         ( 637226.1,
4176791.6,      19.4,      19.4,       0.0);
     ( 637247.7, 4176802.2,      19.4,      19.4,       0.0);         ( 637269.3,
4176812.8,      19.5,      19.5,       0.0);
     ( 637290.9, 4176823.4,      19.6,      19.6,       0.0);         ( 637312.5,
4176834.0,      19.7,      19.7,       0.0);
     ( 637334.1, 4176844.6,      19.8,      19.8,       0.0);         ( 637355.7,
4176855.1,      19.9,      19.9,       0.0);
     ( 637377.3, 4176865.7,      19.8,      19.8,       0.0);         ( 637398.9,
4176876.3,      19.7,      19.7,       0.0);
     ( 637128.7, 4176771.7,      19.4,      19.4,       0.0);         ( 637150.3,
4176782.3,      19.8,      19.8,       0.0);
     ( 637171.9, 4176792.9,      19.6,      19.6,       0.0);         ( 637193.5,
4176803.5,      19.3,      19.3,       0.0);
     ( 637215.1, 4176814.1,      19.9,      19.9,       0.0);         ( 637236.7,
4176824.6,      20.0,      20.0,       0.0);
     ( 637258.3, 4176835.2,      20.0,      20.0,       0.0);         ( 637279.9,
4176845.8,      20.1,      20.1,       0.0);
     ( 637301.5, 4176856.4,      20.1,      20.1,       0.0);         ( 637323.1,
4176867.0,      20.2,      20.2,       0.0);
     ( 637344.7, 4176877.6,      20.3,      20.3,       0.0);         ( 637366.3,
4176888.2,      20.3,      20.3,       0.0);
     ( 637387.9, 4176898.8,      20.1,      20.1,       0.0);         ( 637442.9,
4176842.6,      20.4,      20.4,       0.0);
     ( 637465.2, 4176853.9,      20.5,      20.5,       0.0);         ( 637487.5,
4176865.2,      20.5,      20.5,       0.0);
     ( 637509.8, 4176876.5,      20.5,      20.5,       0.0);         ( 637532.1,
4176887.8,      20.6,      20.6,       0.0);
     ( 637554.4, 4176899.0,      20.4,      20.4,       0.0);         ( 637576.7,
4176910.3,      20.2,      20.2,       0.0);
     ( 637599.0, 4176921.6,      20.3,      20.3,       0.0);         ( 637621.3,
4176932.9,      20.2,      20.2,       0.0);
     ( 637643.6, 4176944.2,      20.2,      20.2,       0.0);         ( 637665.9,
4176955.5,      20.1,      20.1,       0.0);
     ( 637688.2, 4176966.8,      20.1,      20.1,       0.0);         ( 637710.5,
4176978.1,      20.1,      20.1,       0.0);
     ( 637732.8, 4176989.4,      20.2,      20.2,       0.0);         ( 637755.1,
4177000.7,      20.2,      20.2,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637777.4, 4177012.0, 20.4, 20.4, 0.0); (637799.6, 4177023.3, 20.1, 20.1, 0.0);
(637821.9, 4177034.6, 20.0, 20.0, 0.0); (637844.2, 4177045.8, 20.1, 20.1, 0.0);
(637866.5, 4177057.1, 20.1, 20.1, 0.0); (637431.6, 4176864.9, 20.1, 20.1, 0.0);
(637453.9, 4176876.2, 20.2, 20.2, 0.0); (637476.2, 4176887.5, 20.2, 20.2, 0.0);
(637498.5, 4176898.8, 20.3, 20.3, 0.0); (637520.8, 4176910.1, 20.3, 20.3, 0.0);
(637543.1, 4176921.3, 20.2, 20.2, 0.0); (637565.4, 4176932.6, 20.3, 20.3, 0.0);
(637587.7, 4176943.9, 20.3, 20.3, 0.0); (637610.0, 4176955.2, 20.3, 20.3, 0.0);
(637632.3, 4176966.5, 20.2, 20.2, 0.0); (637654.6, 4176977.8, 20.1, 20.1, 0.0);
(637676.9, 4176989.1, 20.2, 20.2, 0.0); (637699.2, 4177000.4, 20.1, 20.1, 0.0);
(637721.5, 4177011.7, 20.1, 20.1, 0.0); (637743.8, 4177023.0, 20.0, 20.0, 0.0);
(637766.1, 4177034.3, 20.1, 20.1, 0.0); (637788.4, 4177045.6, 20.0, 20.0, 0.0);
(637810.6, 4177056.9, 19.9, 19.9, 0.0); (637832.9, 4177068.2, 20.0, 20.0, 0.0);
(637855.2, 4177079.4, 20.0, 20.0, 0.0); (637420.3, 4176887.2, 19.5, 19.5, 0.0);
(637442.6, 4176898.5, 19.5, 19.5, 0.0); (637464.9, 4176909.8, 19.6, 19.6, 0.0);
(637487.2, 4176921.1, 19.6, 19.6, 0.0); (637509.5, 4176932.4, 19.7, 19.7, 0.0);
(637531.8, 4176943.7, 19.7, 19.7, 0.0); (637554.1, 4176954.9, 19.8, 19.8, 0.0);
(637576.4, 4176966.2, 19.9, 19.9, 0.0); (637598.7, 4176977.5, 19.9, 19.9, 0.0);
(637621.0, 4176988.8, 19.9, 19.9, 0.0); (637643.3, 4177000.1, 19.8, 19.8, 0.0);
(637665.6, 4177011.4, 19.8, 19.8, 0.0); (637687.9, 4177022.7, 19.7, 19.7, 0.0);
(637710.2, 4177034.0, 19.8, 19.8, 0.0); (637732.5, 4177045.3, 19.6, 19.6, 0.0);
(637754.8, 4177056.6, 20.0, 20.0, 0.0); (637777.1, 4177067.9, 19.9, 19.9, 0.0);
(637799.4, 4177079.2, 19.9, 19.9, 0.0); (637821.7, 4177090.5, 19.9, 19.9, 0.0);
(637843.9, 4177101.8, 20.0, 20.0, 0.0); (637409.0, 4176909.5, 19.7, 19.7, 0.0);
(637431.3, 4176920.8, 19.6, 19.6, 0.0); (637453.6, 4176932.1, 20.1, 20.1, 0.0);
(637475.9, 4176943.4, 20.0, 20.0, 0.0); (637498.2, 4176954.7, 20.1, 20.1, 0.0);
(637520.5, 4176966.0, 19.7, 19.7, 0.0); (637542.8,

```
4176977.2,      19.9,      19.9,       0.0);
     ( 637565.1, 4176988.5,      20.1,      20.1,       0.0);         ( 637587.4,
4176999.8,      20.1,      20.1,       0.0);
     ( 637609.7, 4177011.1,      20.1,      20.1,       0.0);         ( 637632.0,
4177022.4,      20.1,      20.1,       0.0);
     ( 637654.3, 4177033.7,      20.1,      20.1,       0.0);         ( 637676.6,
4177045.0,      20.0,      20.0,       0.0);
     ( 637698.9, 4177056.3,      19.6,      19.6,       0.0);         ( 637721.2,
4177067.6,      19.5,      19.5,       0.0);
     ( 637743.5, 4177078.9,      19.8,      19.8,       0.0);         ( 637765.8,
4177090.2,      20.2,      20.2,       0.0);
     ( 637788.1, 4177101.5,      19.8,      19.8,       0.0);         ( 637810.4,
4177112.8,      19.9,      19.9,       0.0);
     ( 637832.7, 4177124.0,      19.9,      19.9,       0.0);         ( 637902.3,
4177074.8,      20.2,      20.2,       0.0);
     ( 637937.8, 4177092.3,      21.1,      21.1,       0.0);         ( 637891.2,
4177097.2,      19.7,      19.7,       0.0);
     ( 637926.8, 4177114.7,      20.7,      20.7,       0.0);         ( 637880.2,
4177119.6,      19.8,      19.8,       0.0);
     ( 637915.7, 4177137.1,      20.1,      20.1,       0.0);         ( 637869.1,
4177142.0,      19.9,      19.9,       0.0);
     ( 637904.7, 4177159.6,      19.9,      19.9,       0.0);         ( 637958.2,
4177145.7,      20.1,      20.1,       0.0);
     ( 637979.5, 4177156.5,      20.1,      20.1,       0.0);         ( 638000.8,
4177167.3,      19.8,      19.8,       0.0);
     ( 638022.1, 4177178.1,      19.9,      19.9,       0.0);         ( 638043.4,
4177188.9,      20.0,      20.0,       0.0);
     ( 638064.7, 4177199.8,      20.1,      20.1,       0.0);         ( 638086.0,
4177210.6,      20.1,      20.1,       0.0);
     ( 638107.3, 4177221.4,      20.0,      20.0,       0.0);         ( 638128.6,
4177232.2,      19.9,      19.9,       0.0);
     ( 638149.9, 4177243.0,      19.8,      19.8,       0.0);         ( 638171.2,
4177253.8,      19.9,      19.9,       0.0);
     ( 638192.5, 4177264.6,      20.0,      20.0,       0.0);         ( 638213.8,
4177275.4,      20.1,      20.1,       0.0);
     ( 638235.1, 4177286.2,      20.2,      20.2,       0.0);         ( 638256.4,
4177297.0,      20.1,      20.1,       0.0);
     ( 638277.8, 4177307.8,      20.0,      20.0,       0.0);         ( 637946.9,
4177168.0,      20.0,      20.0,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637968.2, 4177178.8, 19.9, 19.9, 0.0); (637989.5, 4177189.6, 19.6, 19.6, 0.0);
(638010.8, 4177200.4, 20.2, 20.2, 0.0); (638032.1, 4177211.2, 20.3, 20.3, 0.0);
(638053.4, 4177222.0, 20.3, 20.3, 0.0); (638074.7, 4177232.8, 20.4, 20.4, 0.0);
(638096.0, 4177243.7, 20.3, 20.3, 0.0); (638117.3, 4177254.5, 20.2, 20.2, 0.0);
(638138.6, 4177265.3, 20.0, 20.0, 0.0); (638159.9, 4177276.1, 20.1, 20.1, 0.0);
(638181.2, 4177286.9, 20.3, 20.3, 0.0); (638202.5, 4177297.7, 20.4, 20.4, 0.0);
(638223.8, 4177308.5, 20.5, 20.5, 0.0); (638245.1, 4177319.3, 20.5, 20.5, 0.0);
(638266.4, 4177330.1, 20.2, 20.2, 0.0); (637935.6, 4177190.3, 19.5, 19.5, 0.0);
(637956.9, 4177201.1, 19.9, 19.9, 0.0); (637978.2, 4177211.9, 19.6, 19.6, 0.0);
(637999.5, 4177222.7, 19.7, 19.7, 0.0); (638020.8, 4177233.5, 19.9, 19.9, 0.0);
(638042.1, 4177244.3, 20.0, 20.0, 0.0); (638063.4, 4177255.1, 20.1, 20.1, 0.0);
(638084.7, 4177266.0, 20.1, 20.1, 0.0); (638106.0, 4177276.8, 20.2, 20.2, 0.0);
(638127.3, 4177287.6, 19.8, 19.8, 0.0); (638148.6, 4177298.4, 19.8, 19.8, 0.0);
(638169.9, 4177309.2, 20.3, 20.3, 0.0); (638191.2, 4177320.0, 20.0, 20.0, 0.0);
(638212.5, 4177330.8, 20.1, 20.1, 0.0); (638233.8, 4177341.6, 20.2, 20.2, 0.0);
(638255.1, 4177352.4, 19.8, 19.8, 0.0); (637889.5, 4177189.3, 19.7, 19.7, 0.0);
(637924.3, 4177212.6, 19.4, 19.4, 0.0); (637945.6, 4177223.4, 19.3, 19.3, 0.0);
(637966.9, 4177234.2, 19.2, 19.2, 0.0); (637988.2, 4177245.0, 19.2, 19.2, 0.0);
(638009.5, 4177255.8, 19.5, 19.5, 0.0); (638030.8, 4177266.6, 19.6, 19.6, 0.0);
(638052.1, 4177277.4, 19.7, 19.7, 0.0); (638073.4, 4177288.2, 19.8, 19.8, 0.0);
(638094.7, 4177299.1, 19.8, 19.8, 0.0); (638116.0, 4177309.9, 19.7, 19.7, 0.0);
(638137.3, 4177320.7, 19.7, 19.7, 0.0); (638158.6, 4177331.5, 20.1, 20.1, 0.0);
(638179.9, 4177342.3, 19.8, 19.8, 0.0); (638201.2, 4177353.1, 19.9, 19.9, 0.0);
(638222.5, 4177363.9, 20.1, 20.1, 0.0); (638243.8, 4177374.7, 19.6, 19.6, 0.0);
(638299.0, 4177318.5, 20.2, 20.2, 0.0); (638320.2, 4177329.2, 20.2, 20.2, 0.0);
(638341.5, 4177339.9, 19.7, 19.7, 0.0); (638287.8,

```
4177340.9,      19.9,      19.9,       0.0);
     ( 638309.0, 4177351.6,      19.7,      19.7,       0.0);         ( 638330.2,
4177362.3,      19.4,      19.4,       0.0);
     ( 638276.5, 4177363.2,      20.0,      20.0,       0.0);         ( 638297.8,
4177373.9,      19.4,      19.4,       0.0);
     ( 638319.0, 4177384.6,      19.3,      19.3,       0.0);         ( 638265.3,
4177385.5,      20.0,      20.0,       0.0);
     ( 638286.5, 4177396.2,      19.5,      19.5,       0.0);         ( 638307.7,
4177406.9,      19.3,      19.3,       0.0);
     ( 638380.8, 4177333.5,      19.5,      19.5,       0.0);         ( 638418.7,
4177318.6,      19.7,      19.7,       0.0);
     ( 638357.4, 4177363.5,      19.3,      19.3,       0.0);         ( 638389.9,
4177356.7,      19.4,      19.4,       0.0);
     ( 638427.8, 4177341.9,      19.5,      19.5,       0.0);         ( 638364.8,
4177386.7,      19.3,      19.3,       0.0);
     ( 638399.1, 4177380.0,      19.4,      19.4,       0.0);         ( 638436.9,
4177365.1,      19.4,      19.4,       0.0);
     ( 638372.9, 4177409.9,      19.3,      19.3,       0.0);         ( 638340.3,
4177408.4,      19.4,      19.4,       0.0);
     ( 638408.2, 4177403.3,      19.3,      19.3,       0.0);         ( 638446.1,
4177388.4,      19.2,      19.2,       0.0);
     ( 638463.9, 4177349.8,      19.4,      19.4,       0.0);         ( 638485.7,
4177360.5,      19.2,      19.2,       0.0);
     ( 638474.7, 4177382.9,      19.1,      19.1,       0.0);         ( 638463.7,
4177405.4,      18.9,      18.9,       0.0);
     ( 638430.9, 4177417.1,      19.1,      19.1,       0.0);         ( 638452.7,
4177427.8,      18.9,      18.9,       0.0);
     ( 638506.4, 4177371.0,      19.0,      19.0,       0.0);         ( 638527.4,
4177381.8,      19.0,      19.0,       0.0);
     ( 638548.5, 4177392.5,      18.9,      18.9,       0.0);         ( 638569.5,
4177403.3,      18.8,      18.8,       0.0);
     ( 638590.6, 4177414.0,      18.6,      18.6,       0.0);         ( 638611.7,
4177424.8,      18.7,      18.7,       0.0);
     ( 638495.0, 4177393.3,      18.8,      18.8,       0.0);         ( 638516.1,
4177404.0,      18.7,      18.7,       0.0);
     ( 638537.1, 4177414.8,      18.6,      18.6,       0.0);         ( 638558.2,
4177425.5,      18.5,      18.5,       0.0);
     ( 638579.2, 4177436.3,      18.5,      18.5,       0.0);         ( 638600.3,
4177447.0,      18.4,      18.4,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638504.7, 4177426.3, 18.5, 18.5, 0.0); (638525.7, 4177437.0, 18.5, 18.5, 0.0);
(638546.8, 4177447.8, 18.2, 18.2, 0.0); (638567.9, 4177458.6, 18.3, 18.3, 0.0);
(638588.9, 4177469.3, 18.4, 18.4, 0.0); (638493.3, 4177448.6, 18.4, 18.4, 0.0);
(638514.4, 4177459.3, 18.6, 18.6, 0.0); (638535.4, 4177470.1, 18.4, 18.4, 0.0);
(638556.5, 4177480.8, 18.5, 18.5, 0.0); (638577.5, 4177491.6, 18.6, 18.6, 0.0);
(638632.3, 4177435.1, 18.8, 18.8, 0.0); (638652.8, 4177445.4, 18.9, 18.9, 0.0);
(638673.3, 4177455.7, 18.9, 18.9, 0.0); (638693.9, 4177466.0, 18.8, 18.8, 0.0);
(638714.4, 4177476.3, 19.1, 19.1, 0.0); (638734.9, 4177486.6, 19.0, 19.0, 0.0);
(638621.1, 4177457.5, 18.7, 18.7, 0.0); (638641.6, 4177467.8, 18.7, 18.7, 0.0);
(638662.1, 4177478.1, 18.6, 18.6, 0.0); (638682.6, 4177488.4, 18.6, 18.6, 0.0);
(638703.2, 4177498.7, 18.7, 18.7, 0.0); (638723.7, 4177508.9, 19.0, 19.0, 0.0);
(638609.9, 4177479.8, 18.6, 18.6, 0.0); (638630.4, 4177490.1, 18.6, 18.6, 0.0);
(638650.9, 4177500.4, 18.7, 18.7, 0.0); (638671.4, 4177510.7, 18.7, 18.7, 0.0);
(638692.0, 4177521.0, 18.7, 18.7, 0.0); (638712.5, 4177531.3, 18.9, 18.9, 0.0);
(638598.7, 4177502.2, 18.7, 18.7, 0.0); (638619.2, 4177512.5, 18.7, 18.7, 0.0);
(638639.7, 4177522.8, 18.6, 18.6, 0.0); (638660.2, 4177533.1, 18.5, 18.5, 0.0);
(638680.7, 4177543.3, 18.6, 18.6, 0.0); (638701.2, 4177553.6, 18.8, 18.8, 0.0);
(638774.7, 4177506.1, 19.0, 19.0, 0.0); (638814.3, 4177525.5, 18.7, 18.7, 0.0);
(638854.0, 4177544.9, 18.3, 18.3, 0.0); (638893.6, 4177564.3, 18.4, 18.4, 0.0);
(638763.7, 4177528.6, 18.9, 18.9, 0.0); (638803.3, 4177548.0, 18.4, 18.4, 0.0);
(638843.0, 4177567.4, 18.2, 18.2, 0.0); (638882.6, 4177586.8, 18.0, 18.0, 0.0);
(638732.9, 4177541.3, 18.7, 18.7, 0.0); (638772.5, 4177560.7, 18.4, 18.4, 0.0);
(638812.2, 4177580.1, 18.0, 18.0, 0.0); (638851.8, 4177599.5, 17.8, 17.8, 0.0);
(638721.9, 4177563.8, 18.7, 18.7, 0.0); (638761.5, 4177583.2, 18.4, 18.4, 0.0);
(638801.2, 4177602.6, 18.1, 18.1, 0.0); (638840.8, 4177622.0, 17.6, 17.6, 0.0);
(638915.7, 4177574.8, 18.3, 18.3, 0.0); (638937.5,

4177585.2,	18.2,	18.2,	0.0);
	(638959.4, 4177595.6,	18.1,	18.1,	0.0);	(638981.3,
4177606.0,	17.9,	17.9,	0.0);
	(638905.0, 4177597.4,	18.0,	18.0,	0.0);	(638926.8,
4177607.8,	17.9,	17.9,	0.0);
	(638948.7, 4177618.2,	17.8,	17.8,	0.0);	(638970.5,
4177628.5,	17.8,	17.8,	0.0);
	(638872.4, 4177609.6,	17.7,	17.7,	0.0);	(638894.2,
4177620.0,	17.8,	17.8,	0.0);
	(638916.1, 4177630.4,	17.8,	17.8,	0.0);	(638937.9,
4177640.7,	17.7,	17.7,	0.0);
	(638959.8, 4177651.1,	17.6,	17.6,	0.0);	(638861.6,
4177632.2,	17.5,	17.5,	0.0);
	(638883.5, 4177642.5,	17.7,	17.7,	0.0);	(638905.4,
4177652.9,	17.7,	17.7,	0.0);
	(638927.2, 4177663.3,	17.2,	17.2,	0.0);	(638949.1,
4177673.7,	17.5,	17.5,	0.0);
	(639019.3, 4177624.1,	17.7,	17.7,	0.0);	(639057.4,
4177642.3,	17.5,	17.5,	0.0);
	(639095.5, 4177660.4,	17.5,	17.5,	0.0);	(639008.5,
4177646.7,	17.8,	17.8,	0.0);
	(639046.6, 4177664.8,	17.7,	17.7,	0.0);	(639084.7,
4177683.0,	17.5,	17.5,	0.0);
	(638997.8, 4177669.2,	17.7,	17.7,	0.0);	(639035.9,
4177687.4,	17.7,	17.7,	0.0);
	(639073.9, 4177705.6,	17.3,	17.3,	0.0);	(638987.0,
4177691.8,	17.5,	17.5,	0.0);
	(639025.1, 4177710.0,	17.6,	17.6,	0.0);	(639063.2,
4177728.1,	17.2,	17.2,	0.0);
	(639133.4, 4177679.8,	17.4,	17.4,	0.0);	(639172.0,
4177699.5,	17.4,	17.4,	0.0);
	(639122.1, 4177702.1,	17.3,	17.3,	0.0);	(639160.6,
4177721.8,	17.4,	17.4,	0.0);
	(639110.7, 4177724.4,	17.3,	17.3,	0.0);	(639149.2,
4177744.0,	17.3,	17.3,	0.0);
	(639099.3, 4177746.6,	17.2,	17.2,	0.0);	(639137.9,
4177766.3,	17.2,	17.2,	0.0);
	(639193.0, 4177710.0,	17.3,	17.3,	0.0);	(639213.7,
4177720.4,	17.3,	17.3,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(639234.5, 4177730.8, 17.2, 17.2, 0.0); (639255.3, 4177741.2, 17.2, 17.2, 0.0);
(639276.1, 4177751.6, 17.1, 17.1, 0.0); (639296.9, 4177761.9, 17.1, 17.1, 0.0);
(639181.8, 4177732.3, 17.3, 17.3, 0.0); (639202.6, 4177742.7, 17.2, 17.2, 0.0);
(639223.4, 4177753.1, 16.9, 16.9, 0.0); (639244.1, 4177763.5, 16.9, 16.9, 0.0);
(639264.9, 4177773.9, 17.0, 17.0, 0.0); (639285.7, 4177784.3, 17.1, 17.1, 0.0);
(639170.6, 4177754.7, 17.3, 17.3, 0.0); (639191.4, 4177765.1, 17.2, 17.2, 0.0);
(639212.2, 4177775.5, 17.0, 17.0, 0.0); (639233.0, 4177785.9, 16.8, 16.8, 0.0);
(639253.8, 4177796.3, 16.9, 16.9, 0.0); (639274.6, 4177806.7, 16.9, 16.9, 0.0);
(639159.4, 4177777.0, 17.2, 17.2, 0.0); (639180.2, 4177787.4, 17.2, 17.2, 0.0);
(639201.0, 4177797.8, 17.1, 17.1, 0.0); (639221.8, 4177808.2, 16.7, 16.7, 0.0);
(639242.6, 4177818.6, 16.8, 16.8, 0.0); (639263.4, 4177829.0, 16.7, 16.7, 0.0);
(639317.4, 4177772.4, 17.1, 17.1, 0.0); (639338.1, 4177782.9, 17.2, 17.2, 0.0);
(639358.7, 4177793.4, 17.2, 17.2, 0.0); (639379.4, 4177803.8, 17.2, 17.2, 0.0);
(639306.1, 4177794.7, 17.2, 17.2, 0.0); (639326.8, 4177805.1, 17.2, 17.2, 0.0);
(639347.4, 4177815.6, 17.1, 17.1, 0.0); (639368.1, 4177826.1, 17.1, 17.1, 0.0);
(639294.8, 4177816.9, 16.9, 16.9, 0.0); (639315.4, 4177827.4, 16.9, 16.9, 0.0);
(639336.1, 4177837.9, 16.9, 16.9, 0.0); (639356.7, 4177848.4, 17.0, 17.0, 0.0);
(639283.4, 4177839.2, 16.6, 16.6, 0.0); (639304.1, 4177849.7, 16.6, 16.6, 0.0);
(639324.8, 4177860.2, 16.6, 16.6, 0.0); (639345.4, 4177870.7, 16.8, 16.8, 0.0);
(639400.5, 4177815.2, 17.2, 17.2, 0.0); (639422.1, 4177826.9, 17.0, 17.0, 0.0);
(639443.8, 4177838.5, 17.0, 17.0, 0.0); (639388.7, 4177837.2, 16.9, 16.9, 0.0);
(639410.3, 4177848.9, 17.0, 17.0, 0.0); (639431.9, 4177860.5, 16.8, 16.8, 0.0);
(639376.8, 4177859.3, 16.9, 16.9, 0.0); (639398.4, 4177870.9, 16.9, 16.9, 0.0);
(639420.1, 4177882.5, 16.6, 16.6, 0.0); (639386.6, 4177892.9, 16.7, 16.7, 0.0);
(639408.2, 4177904.6, 16.6, 16.6, 0.0); (639466.2, 4177858.3, 16.8, 16.8, 0.0);
(639450.0, 4177877.3, 16.8, 16.8, 0.0); (639447.2,

```
4177907.8,      16.7,      16.7,       0.0);
     ( 639431.0, 4177926.8,      16.5,      16.5,       0.0);         ( 639484.9,
4177880.4,      16.7,      16.7,       0.0);
     ( 639474.0, 4177910.1,      16.7,      16.7,       0.0);         ( 639454.3,
4177945.2,      16.6,      16.6,       0.0);
     ( 639526.1, 4177788.6,      17.9,      17.9,       0.0);         ( 639505.1,
4177778.0,      17.8,      17.8,       0.0);
     ( 639484.0, 4177767.3,      17.6,      17.6,       0.0);         ( 639462.9,
4177756.7,      17.6,      17.6,       0.0);
     ( 639441.8, 4177746.1,      17.9,      17.9,       0.0);         ( 639420.8,
4177735.5,      17.9,      17.9,       0.0);
     ( 639399.7, 4177724.9,      18.0,      18.0,       0.0);         ( 639378.6,
4177714.3,      18.0,      18.0,       0.0);
     ( 639357.6, 4177703.7,      17.9,      17.9,       0.0);         ( 639336.5,
4177693.1,      18.1,      18.1,       0.0);
     ( 639315.4, 4177682.5,      18.2,      18.2,       0.0);         ( 639547.3,
4177775.2,      17.5,      17.5,       0.0);
     ( 639516.3, 4177755.6,      18.1,      18.1,       0.0);         ( 639495.2,
4177745.0,      17.6,      17.6,       0.0);
     ( 639474.2, 4177734.4,      17.9,      17.9,       0.0);         ( 639453.1,
4177723.8,      17.7,      17.7,       0.0);
     ( 639432.0, 4177713.2,      17.6,      17.6,       0.0);         ( 639410.9,
4177702.6,      17.8,      17.8,       0.0);
     ( 639389.9, 4177692.0,      18.0,      18.0,       0.0);         ( 639368.8,
4177681.4,      17.9,      17.9,       0.0);
     ( 639347.7, 4177670.8,      18.0,      18.0,       0.0);         ( 639326.6,
4177660.1,      18.0,      18.0,       0.0);
     ( 639563.5, 4177757.4,      17.7,      17.7,       0.0);         ( 639527.6,
4177733.3,      18.3,      18.3,       0.0);
     ( 639506.5, 4177722.7,      18.1,      18.1,       0.0);         ( 639485.4,
4177712.1,      17.6,      17.6,       0.0);
     ( 639464.3, 4177701.5,      17.7,      17.7,       0.0);         ( 639443.2,
4177690.9,      17.7,      17.7,       0.0);
     ( 639422.2, 4177680.2,      17.9,      17.9,       0.0);         ( 639401.1,
4177669.6,      18.0,      18.0,       0.0);
     ( 639380.0, 4177659.0,      17.9,      17.9,       0.0);         ( 639359.0,
4177648.4,      18.0,      18.0,       0.0);
     ( 639337.9, 4177637.8,      18.1,      18.1,       0.0);         ( 639573.1,
4177733.6,      17.7,      17.7,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(639538.8, 4177711.0, 18.2, 18.2, 0.0); (639517.7, 4177700.4, 18.1, 18.1, 0.0);
(639496.6, 4177689.8, 17.8, 17.8, 0.0); (639475.6, 4177679.1, 17.9, 17.9, 0.0);
(639454.5, 4177668.5, 18.0, 18.0, 0.0); (639433.4, 4177657.9, 18.2, 18.2, 0.0);
(639412.4, 4177647.3, 18.2, 18.2, 0.0); (639391.3, 4177636.7, 18.1, 18.1, 0.0);
(639370.2, 4177626.1, 18.0, 18.0, 0.0); (639349.1, 4177615.5, 17.8, 17.8, 0.0);
(639293.9, 4177671.3, 18.2, 18.2, 0.0); (639272.1, 4177660.0, 18.1, 18.1, 0.0);
(639250.3, 4177648.8, 18.1, 18.1, 0.0); (639228.6, 4177637.5, 18.1, 18.1, 0.0);
(639206.8, 4177626.2, 18.2, 18.2, 0.0); (639185.0, 4177614.9, 18.2, 18.2, 0.0);
(639163.2, 4177603.7, 18.2, 18.2, 0.0); (639141.5, 4177592.4, 18.3, 18.3, 0.0);
(639119.7, 4177581.1, 18.3, 18.3, 0.0); (639097.9, 4177569.8, 18.5, 18.5, 0.0);
(639076.1, 4177558.6, 18.5, 18.5, 0.0); (639305.4, 4177649.1, 18.1, 18.1, 0.0);
(639283.6, 4177637.8, 18.1, 18.1, 0.0); (639261.8, 4177626.6, 18.1, 18.1, 0.0);
(639240.1, 4177615.3, 18.1, 18.1, 0.0); (639218.3, 4177604.0, 18.2, 18.2, 0.0);
(639196.5, 4177592.8, 18.2, 18.2, 0.0); (639174.7, 4177581.5, 18.2, 18.2, 0.0);
(639153.0, 4177570.2, 18.2, 18.2, 0.0); (639131.2, 4177558.9, 18.3, 18.3, 0.0);
(639109.4, 4177547.6, 18.4, 18.4, 0.0); (639087.6, 4177536.4, 18.4, 18.4, 0.0);
(639316.9, 4177626.9, 18.0, 18.0, 0.0); (639295.1, 4177615.6, 17.9, 17.9, 0.0);
(639273.3, 4177604.4, 18.1, 18.1, 0.0); (639251.5, 4177593.1, 18.2, 18.2, 0.0);
(639229.8, 4177581.8, 18.2, 18.2, 0.0); (639208.0, 4177570.5, 18.2, 18.2, 0.0);
(639186.2, 4177559.3, 18.3, 18.3, 0.0); (639164.4, 4177548.0, 18.3, 18.3, 0.0);
(639142.7, 4177536.7, 18.4, 18.4, 0.0); (639120.9, 4177525.4, 18.4, 18.4, 0.0);
(639099.1, 4177514.2, 18.5, 18.5, 0.0); (639328.4, 4177604.7, 17.8, 17.8, 0.0);
(639306.6, 4177593.4, 18.0, 18.0, 0.0); (639284.8, 4177582.2, 17.9, 17.9, 0.0);
(639263.0, 4177570.9, 17.9, 17.9, 0.0); (639241.3, 4177559.6, 18.1, 18.1, 0.0);
(639219.5, 4177548.3, 18.1, 18.1, 0.0); (639197.7, 4177537.1, 18.2, 18.2, 0.0);
(639175.9, 4177525.8, 18.3, 18.3, 0.0); (639154.2,

```
4177514.5,      18.4,      18.4,       0.0);
     ( 639132.4, 4177503.2,      18.5,      18.5,       0.0);         ( 639110.6,
4177492.0,      18.8,      18.8,       0.0);
     ( 639038.4, 4177538.5,      18.6,      18.6,       0.0);         ( 639000.4,
4177518.2,      18.7,      18.7,       0.0);
     ( 638962.5, 4177498.0,      18.8,      18.8,       0.0);         ( 639050.2,
4177516.4,      18.6,      18.6,       0.0);
     ( 639012.2, 4177496.1,      18.7,      18.7,       0.0);         ( 638974.2,
4177475.9,      18.9,      18.9,       0.0);
     ( 639062.0, 4177494.3,      18.6,      18.6,       0.0);         ( 639024.0,
4177474.1,      18.8,      18.8,       0.0);
     ( 638986.0, 4177453.8,      18.9,      18.9,       0.0);         ( 639073.7,
4177472.3,      18.8,      18.8,       0.0);
     ( 639035.7, 4177452.0,      18.9,      18.9,       0.0);         ( 638997.8,
4177431.8,      19.2,      19.2,       0.0);
     ( 638953.9, 4177465.1,      18.8,      18.8,       0.0);         ( 638756.9,
4177367.8,      19.2,      19.2,       0.0);
     ( 638735.1, 4177357.0,      19.1,      19.1,       0.0);         ( 638964.9,
4177442.6,      19.0,      19.0,       0.0);
     ( 638943.1, 4177431.8,      19.2,      19.2,       0.0);         ( 638811.8,
4177367.0,      19.3,      19.3,       0.0);
     ( 638789.9, 4177356.2,      19.1,      19.1,       0.0);         ( 638768.0,
4177345.4,      19.3,      19.3,       0.0);
     ( 638746.1, 4177334.6,      19.2,      19.2,       0.0);         ( 638976.0,
4177420.2,      19.2,      19.2,       0.0);
     ( 638954.1, 4177409.4,      19.3,      19.3,       0.0);         ( 638932.2,
4177398.6,      19.3,      19.3,       0.0);
     ( 638844.7, 4177355.4,      19.2,      19.2,       0.0);         ( 638822.8,
4177344.6,      19.3,      19.3,       0.0);
     ( 638801.0, 4177333.8,      19.1,      19.1,       0.0);         ( 638779.1,
4177323.0,      18.9,      18.9,       0.0);
     ( 638757.2, 4177312.1,      19.4,      19.4,       0.0);         ( 638702.6,
4177369.1,      19.1,      19.1,       0.0);
     ( 638681.4, 4177358.8,      19.2,      19.2,       0.0);         ( 638660.2,
4177348.6,      19.3,      19.3,       0.0);
     ( 638639.0, 4177338.4,      19.4,      19.4,       0.0);         ( 638617.8,
4177328.2,      19.5,      19.5,       0.0);
     ( 638596.6, 4177317.9,      19.6,      19.6,       0.0);         ( 638575.4,
4177307.7,      19.9,      19.9,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638554.2, 4177297.5, 20.0, 20.0, 0.0); (638533.0, 4177287.3, 20.1, 20.1, 0.0);
(638713.4, 4177346.5, 19.2, 19.2, 0.0); (638692.2, 4177336.3, 19.0, 19.0, 0.0);
(638671.0, 4177326.1, 19.2, 19.2, 0.0); (638649.8, 4177315.9, 19.5, 19.5, 0.0);
(638628.6, 4177305.6, 19.6, 19.6, 0.0); (638607.4, 4177295.4, 19.8, 19.8, 0.0);
(638586.2, 4177285.2, 20.0, 20.0, 0.0); (638565.0, 4177275.0, 20.1, 20.1, 0.0);
(638543.8, 4177264.8, 20.1, 20.1, 0.0); (638724.3, 4177324.0, 19.2, 19.2, 0.0);
(638703.1, 4177313.8, 19.2, 19.2, 0.0); (638681.9, 4177303.6, 19.4, 19.4, 0.0);
(638660.7, 4177293.3, 19.8, 19.8, 0.0); (638639.5, 4177283.1, 20.0, 20.0, 0.0);
(638618.3, 4177272.9, 20.0, 20.0, 0.0); (638597.1, 4177262.7, 20.3, 20.3, 0.0);
(638575.9, 4177252.5, 20.2, 20.2, 0.0); (638554.7, 4177242.2, 20.4, 20.4, 0.0);
(638735.2, 4177301.5, 19.4, 19.4, 0.0); (638714.0, 4177291.3, 19.4, 19.4, 0.0);
(638692.7, 4177281.1, 19.6, 19.6, 0.0); (638671.5, 4177270.8, 19.8, 19.8, 0.0);
(638650.3, 4177260.6, 20.0, 20.0, 0.0); (638629.1, 4177250.4, 20.2, 20.2, 0.0);
(638607.9, 4177240.2, 20.2, 20.2, 0.0); (638586.7, 4177229.9, 20.2, 20.2, 0.0);
(638565.5, 4177219.7, 20.2, 20.2, 0.0); (638510.9, 4177276.3, 20.0, 20.0, 0.0);
(638488.7, 4177265.3, 19.9, 19.9, 0.0); (638466.4, 4177254.2, 20.0, 20.0, 0.0);
(638444.1, 4177243.2, 20.1, 20.1, 0.0); (638421.8, 4177232.1, 20.2, 20.2, 0.0);
(638399.6, 4177221.1, 20.2, 20.2, 0.0); (638377.3, 4177210.0, 20.3, 20.3, 0.0);
(638522.1, 4177253.9, 20.0, 20.0, 0.0); (638499.8, 4177242.9, 20.0, 20.0, 0.0);
(638477.5, 4177231.8, 20.1, 20.1, 0.0); (638455.2, 4177220.8, 20.1, 20.1, 0.0);
(638433.0, 4177209.8, 20.2, 20.2, 0.0); (638410.7, 4177198.7, 20.2, 20.2, 0.0);
(638388.4, 4177187.7, 20.2, 20.2, 0.0); (638533.2, 4177231.6, 20.1, 20.1, 0.0);
(638510.9, 4177220.5, 20.1, 20.1, 0.0); (638488.6, 4177209.5, 20.3, 20.3, 0.0);
(638466.3, 4177198.4, 20.3, 20.3, 0.0); (638444.1, 4177187.4, 20.4, 20.4, 0.0);
(638421.8, 4177176.3, 20.4, 20.4, 0.0); (638399.5, 4177165.3, 20.2, 20.2, 0.0);
(638544.3, 4177209.2, 20.2, 20.2, 0.0); (638522.0,

```
4177198.1,      20.3,      20.3,       0.0);
     ( 638499.7, 4177187.1,      20.3,      20.3,       0.0);         ( 638477.4,
4177176.0,      20.2,      20.2,       0.0);
     ( 638455.2, 4177165.0,      20.2,      20.2,       0.0);         ( 638432.9,
4177153.9,      20.2,      20.2,       0.0);
     ( 638410.6, 4177142.9,      20.2,      20.2,       0.0);         ( 638522.1,
4177309.8,      19.8,      19.8,       0.0);
     ( 638343.9, 4177221.4,      20.4,      20.4,       0.0);         ( 638056.7,
4177083.7,      21.2,      21.2,       0.0);
     ( 637703.4, 4176902.8,      20.4,      20.4,       0.0);         ( 637321.8,
4176712.7,      20.8,      20.8,       0.0);
     ( 636866.1, 4176483.9,      20.4,      20.4,       0.0);         ( 636327.4,
4176212.2,      21.7,      21.7,       0.0);
     ( 636323.1, 4176252.4,      21.5,      21.5,       0.0);         ( 637151.1,
4176671.3,      20.8,      22.0,       0.0);
     ( 637431.9, 4176809.0,      20.9,      20.9,       0.0);         ( 637877.8,
4177034.8,      20.3,      20.3,       0.0);
     ( 637948.9, 4177069.9,      21.1,      21.1,       0.0);         ( 637948.2,
4177112.6,      20.5,      20.5,       0.0);
     ( 638289.1, 4177285.5,      20.0,      20.0,       0.0);         ( 638352.7,
4177317.6,      19.7,      19.7,       0.0);
     ( 638409.6, 4177295.3,      20.0,      20.0,       0.0);         ( 638496.7,
4177338.0,      19.6,      19.6,       0.0);
     ( 638623.0, 4177402.5,      19.1,      19.1,       0.0);         ( 638746.1,
4177464.3,      19.0,      19.0,       0.0);
     ( 638904.6, 4177541.8,      18.6,      18.6,       0.0);         ( 638992.0,
4177583.4,      18.7,      18.7,       0.0);
     ( 639106.2, 4177637.9,      18.5,      18.5,       0.0);         ( 639183.3,
4177677.2,      18.2,      18.2,       0.0);
     ( 639308.1, 4177739.6,      17.9,      17.9,       0.0);         ( 639390.7,
4177781.6,      17.6,      17.6,       0.0);
     ( 639455.6, 4177816.5,      17.3,      17.3,       0.0);         ( 639495.8,
4177850.6,      17.2,      17.2,       0.0);
     ( 639514.9, 4177810.9,      17.7,      17.7,       0.0);         ( 639304.2,
4177704.8,      18.1,      18.1,       0.0);
     ( 639064.6, 4177580.8,      18.6,      18.6,       0.0);         ( 638712.9,
4177401.8,      19.3,      19.3,       0.0);
     ( 638499.8, 4177298.7,      19.9,      19.9,       0.0);         ( 638477.6,
4177287.7,      19.9,      19.9,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638455.3, 4177276.6, 20.0, 20.0, 0.0); (638433.0, 4177265.6, 20.1, 20.1, 0.0);
(638410.7, 4177254.5, 20.2, 20.2, 0.0); (638388.5, 4177243.5, 20.3, 20.3, 0.0);
(638366.2, 4177232.4, 20.3, 20.3, 0.0); (638321.8, 4177210.8, 20.4, 20.4, 0.0);
(638299.7, 4177200.2, 20.5, 20.5, 0.0); (638277.6, 4177189.6, 20.6, 20.6, 0.0);
(638255.5, 4177179.0, 20.7, 20.7, 0.0); (638233.5, 4177168.4, 20.8, 20.8, 0.0);
(638211.4, 4177157.8, 20.8, 20.8, 0.0); (638189.3, 4177147.2, 20.9, 20.9, 0.0);
(638167.2, 4177136.7, 20.9, 20.9, 0.0); (638145.1, 4177126.1, 20.9, 20.9, 0.0);
(638123.0, 4177115.5, 21.0, 21.0, 0.0); (638100.9, 4177104.9, 21.0, 21.0, 0.0);
(638078.8, 4177094.3, 21.1, 21.1, 0.0); (638034.7, 4177072.4, 21.2, 21.2, 0.0);
(638012.6, 4177061.1, 21.2, 21.2, 0.0); (637990.5, 4177049.8, 21.2, 21.2, 0.0);
(637968.4, 4177038.5, 21.3, 21.3, 0.0); (637946.3, 4177027.2, 21.7, 21.7, 0.0);
(637924.2, 4177015.9, 21.8, 21.8, 0.0); (637902.1, 4177004.6, 20.9, 20.9, 0.0);
(637880.0, 4176993.3, 20.8, 20.8, 0.0); (637858.0, 4176982.0, 20.9, 20.9, 0.0);
(637835.9, 4176970.7, 20.7, 20.7, 0.0); (637813.8, 4176959.4, 20.6, 20.6, 0.0);
(637791.7, 4176948.1, 20.6, 20.6, 0.0); (637769.6, 4176936.8, 20.6, 20.6, 0.0);
(637747.5, 4176925.5, 20.5, 20.5, 0.0); (637725.4, 4176914.2, 20.4, 20.4, 0.0);
(637682.2, 4176892.3, 20.4, 20.4, 0.0); (637661.0, 4176881.7, 20.4, 20.4, 0.0);
(637639.8, 4176871.2, 20.4, 20.4, 0.0); (637618.6, 4176860.6, 20.4, 20.4, 0.0);
(637597.4, 4176850.0, 20.5, 20.5, 0.0); (637576.2, 4176839.5, 20.6, 20.6, 0.0);
(637555.0, 4176828.9, 20.7, 20.7, 0.0); (637533.8, 4176818.3, 20.8, 20.8, 0.0);
(637512.6, 4176807.8, 20.9, 20.9, 0.0); (637491.4, 4176797.2, 21.0, 21.0, 0.0);
(637470.2, 4176786.6, 21.1, 21.1, 0.0); (637449.0, 4176776.1, 21.3, 21.3, 0.0);
(637427.8, 4176765.5, 21.4, 21.4, 0.0); (637406.6, 4176754.9, 21.6, 21.6, 0.0);
(637385.4, 4176744.4, 21.4, 21.4, 0.0); (637364.2, 4176733.8, 21.2, 21.2, 0.0);
(637343.0, 4176723.3, 20.9, 20.9, 0.0); (637300.1, 4176701.8, 20.8, 20.8, 0.0);
(637278.4, 4176690.9, 20.8, 20.8, 0.0); (637256.7,

```
4176680.0,      20.8,      20.8,       0.0);
     ( 637235.0, 4176669.1,      20.8,      20.8,       0.0);         ( 637213.3,
4176658.2,      20.5,      22.3,       0.0);
     ( 637191.6, 4176647.3,      22.4,      22.4,       0.0);         ( 637169.9,
4176636.4,      21.5,      21.5,       0.0);
     ( 637148.2, 4176625.5,      20.9,      20.9,       0.0);         ( 637126.5,
4176614.6,      20.6,      20.6,       0.0);
     ( 637104.8, 4176603.7,      20.2,      20.2,       0.0);         ( 637083.1,
4176592.8,      20.2,      20.2,       0.0);
     ( 637061.4, 4176581.9,      20.3,      20.3,       0.0);         ( 637039.7,
4176571.0,      20.3,      20.3,       0.0);
     ( 637018.0, 4176560.1,      20.4,      20.4,       0.0);         ( 636996.3,
4176549.3,      20.4,      20.4,       0.0);
     ( 636974.6, 4176538.4,      20.5,      20.5,       0.0);         ( 636952.9,
4176527.5,      20.4,      20.4,       0.0);
     ( 636931.2, 4176516.6,      20.4,      20.4,       0.0);         ( 636909.5,
4176505.7,      20.4,      20.4,       0.0);
     ( 636887.8, 4176494.8,      20.4,      20.4,       0.0);         ( 636844.5,
4176473.0,      20.4,      20.4,       0.0);
     ( 636823.0, 4176462.1,      20.5,      20.5,       0.0);         ( 636801.4,
4176451.3,      20.5,      20.5,       0.0);
     ( 636779.9, 4176440.4,      20.5,      20.5,       0.0);         ( 636758.3,
4176429.5,      20.6,      20.6,       0.0);
     ( 636736.8, 4176418.7,      20.5,      20.5,       0.0);         ( 636715.2,
4176407.8,      20.6,      20.6,       0.0);
     ( 636693.7, 4176397.0,      20.5,      20.5,       0.0);         ( 636672.1,
4176386.1,      20.5,      20.5,       0.0);
     ( 636650.6, 4176375.2,      20.5,      20.5,       0.0);         ( 636629.0,
4176364.4,      20.5,      20.5,       0.0);
     ( 636607.5, 4176353.5,      20.5,      20.5,       0.0);         ( 636585.9,
4176342.6,      20.5,      20.5,       0.0);
     ( 636564.4, 4176331.8,      20.5,      20.5,       0.0);         ( 636542.9,
4176320.9,      20.6,      20.6,       0.0);
     ( 636521.3, 4176310.0,      20.6,      20.6,       0.0);         ( 636499.8,
4176299.2,      20.6,      20.6,       0.0);
     ( 636478.2, 4176288.3,      20.6,      20.6,       0.0);         ( 636456.7,
4176277.4,      20.7,      20.7,       0.0);
     ( 636435.1, 4176266.6,      20.7,      20.7,       0.0);         ( 636413.6,
4176255.7,      20.8,      20.8,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(636392.0, 4176244.8, 20.8, 20.8, 0.0); (636370.5, 4176234.0, 20.9, 20.9, 0.0);
(636348.9, 4176223.1, 21.5, 21.5, 0.0); (636344.9, 4176263.5, 21.3, 21.3, 0.0);
(636366.6, 4176274.5, 20.7, 20.7, 0.0); (636388.4, 4176285.5, 20.5, 20.5, 0.0);
(636410.2, 4176296.5, 20.5, 20.5, 0.0); (636432.0, 4176307.5, 20.4, 20.4, 0.0);
(636453.8, 4176318.6, 20.4, 20.4, 0.0); (636475.6, 4176329.6, 20.3, 20.3, 0.0);
(636497.4, 4176340.6, 20.4, 20.4, 0.0); (636519.2, 4176351.6, 20.4, 20.4, 0.0);
(636541.0, 4176362.7, 20.4, 20.4, 0.0); (636562.8, 4176373.7, 20.3, 20.3, 0.0);
(636584.6, 4176384.7, 20.4, 20.4, 0.0); (636606.3, 4176395.7, 20.4, 20.4, 0.0);
(636628.1, 4176406.8, 20.4, 20.4, 0.0); (636649.9, 4176417.8, 20.3, 20.3, 0.0);
(636671.7, 4176428.8, 20.4, 20.4, 0.0); (636693.5, 4176439.8, 20.3, 20.3, 0.0);
(636715.3, 4176450.9, 20.2, 20.2, 0.0); (636737.1, 4176461.9, 20.1, 20.1, 0.0);
(636758.9, 4176472.9, 19.9, 19.9, 0.0); (636780.7, 4176483.9, 19.9, 19.9, 0.0);
(636802.5, 4176494.9, 20.2, 20.2, 0.0); (636824.2, 4176506.0, 20.1, 20.1, 0.0);
(636846.0, 4176517.0, 20.1, 20.1, 0.0); (636867.8, 4176528.0, 20.2, 20.2, 0.0);
(636889.6, 4176539.0, 20.2, 20.2, 0.0); (636911.4, 4176550.1, 20.2, 20.2, 0.0);
(636933.2, 4176561.1, 20.2, 20.2, 0.0); (636955.0, 4176572.1, 20.3, 20.3, 0.0);
(636976.8, 4176583.1, 20.2, 20.2, 0.0); (636998.6, 4176594.2, 20.6, 20.6, 0.0);
(637020.4, 4176605.2, 20.8, 20.8, 0.0); (637042.2, 4176616.2, 20.6, 20.6, 0.0);
(637064.0, 4176627.2, 20.7, 20.7, 0.0); (637085.8, 4176638.2, 20.6, 20.6, 0.0);
(637107.5, 4176649.3, 20.6, 20.6, 0.0); (637129.3, 4176660.3, 20.7, 20.7, 0.0);
(637172.7, 4176681.9, 22.2, 22.2, 0.0); (637194.3, 4176692.5, 19.6, 22.4, 0.0);
(637215.9, 4176703.1, 20.1, 20.1, 0.0); (637237.5, 4176713.7, 20.4, 20.4, 0.0);
(637259.1, 4176724.3, 20.6, 20.6, 0.0); (637280.7, 4176734.9, 21.2, 21.2, 0.0);
(637302.3, 4176745.4, 21.3, 21.3, 0.0); (637323.9, 4176756.0, 21.3, 21.3, 0.0);
(637345.5, 4176766.6, 20.7, 20.7, 0.0); (637367.1, 4176777.2, 20.8, 20.8, 0.0);
(637388.7, 4176787.8, 20.8, 20.8, 0.0); (637410.3,

```
4176798.4,      20.9,      20.9,       0.0);
     ( 637454.2, 4176820.3,      20.8,      20.8,       0.0);         ( 637476.5,
4176831.6,      20.9,      20.9,       0.0);
     ( 637498.8, 4176842.9,      20.7,      20.7,       0.0);         ( 637521.1,
4176854.2,      20.6,      20.6,       0.0);
     ( 637543.4, 4176865.5,      20.6,      20.6,       0.0);         ( 637565.7,
4176876.8,      20.5,      20.5,       0.0);
     ( 637588.0, 4176888.0,      20.6,      20.6,       0.0);         ( 637610.3,
4176899.3,      20.6,      20.6,       0.0);
     ( 637632.6, 4176910.6,      20.4,      20.4,       0.0);         ( 637654.9,
4176921.9,      20.4,      20.4,       0.0);
     ( 637677.2, 4176933.2,      20.3,      20.3,       0.0);         ( 637699.5,
4176944.5,      20.4,      20.4,       0.0);
     ( 637721.8, 4176955.8,      20.4,      20.4,       0.0);         ( 637744.1,
4176967.1,      20.3,      20.3,       0.0);
     ( 637766.3, 4176978.4,      20.4,      20.4,       0.0);         ( 637788.6,
4176989.7,      20.4,      20.4,       0.0);
     ( 637810.9, 4177001.0,      20.4,      20.4,       0.0);         ( 637833.2,
4177012.3,      20.4,      20.4,       0.0);
     ( 637855.5, 4177023.5,      20.4,      20.4,       0.0);         ( 637895.6,
4177043.6,      20.4,      20.4,       0.0);
     ( 637913.4, 4177052.4,      20.9,      20.9,       0.0);         ( 637931.1,
4177061.1,      21.7,      21.7,       0.0);
     ( 637948.6, 4177091.2,      20.7,      20.7,       0.0);         ( 637969.5,
4177123.4,      20.1,      20.1,       0.0);
     ( 637990.8, 4177134.2,      20.0,      20.0,       0.0);         ( 638012.1,
4177145.0,      20.0,      20.0,       0.0);
     ( 638033.4, 4177155.8,      20.1,      20.1,       0.0);         ( 638054.7,
4177166.6,      20.1,      20.1,       0.0);
     ( 638076.0, 4177177.5,      20.1,      20.1,       0.0);         ( 638097.3,
4177188.3,      20.1,      20.1,       0.0);
     ( 638118.6, 4177199.1,      20.1,      20.1,       0.0);         ( 638139.9,
4177209.9,      20.1,      20.1,       0.0);
     ( 638161.2, 4177220.7,      20.0,      20.0,       0.0);         ( 638182.5,
4177231.5,      20.1,      20.1,       0.0);
     ( 638203.9, 4177242.3,      20.1,      20.1,       0.0);         ( 638225.2,
4177253.1,      20.1,      20.1,       0.0);
     ( 638246.5, 4177263.9,      20.1,      20.1,       0.0);         ( 638267.8,
4177274.7,      20.0,      20.0,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638310.3, 4177296.2, 20.0, 20.0, 0.0); (638331.5, 4177306.9, 20.0, 20.0, 0.0);
(638371.7, 4177310.2, 19.6, 19.6, 0.0); (638390.6, 4177302.8, 19.8, 19.8, 0.0);
(638431.3, 4177306.0, 19.9, 19.9, 0.0); (638453.1, 4177316.7, 19.9, 19.9, 0.0);
(638474.9, 4177327.3, 19.8, 19.8, 0.0); (638517.7, 4177348.8, 19.4, 19.4, 0.0);
(638538.8, 4177359.5, 19.4, 19.4, 0.0); (638559.9, 4177370.3, 19.3, 19.3, 0.0);
(638580.9, 4177381.0, 19.2, 19.2, 0.0); (638602.0, 4177391.8, 19.1, 19.1, 0.0);
(638643.5, 4177412.8, 19.0, 19.0, 0.0); (638664.0, 4177423.1, 19.1, 19.1, 0.0);
(638684.6, 4177433.4, 19.1, 19.1, 0.0); (638705.1, 4177443.7, 19.1, 19.1, 0.0);
(638725.6, 4177454.0, 19.3, 19.3, 0.0); (638765.9, 4177474.0, 18.8, 18.8, 0.0);
(638785.7, 4177483.7, 18.8, 18.8, 0.0); (638805.5, 4177493.3, 18.6, 18.6, 0.0);
(638825.3, 4177503.0, 18.7, 18.7, 0.0); (638845.1, 4177512.8, 18.7, 18.7, 0.0);
(638864.9, 4177522.4, 18.7, 18.7, 0.0); (638884.8, 4177532.1, 18.7, 18.7, 0.0);
(638926.4, 4177552.2, 18.6, 18.6, 0.0); (638948.3, 4177562.6, 18.6, 18.6, 0.0);
(638970.1, 4177573.0, 18.7, 18.7, 0.0); (639011.0, 4177592.5, 18.6, 18.6, 0.0);
(639030.1, 4177601.5, 18.6, 18.6, 0.0); (639049.1, 4177610.6, 18.6, 18.6, 0.0);
(639068.1, 4177619.7, 18.5, 18.5, 0.0); (639087.2, 4177628.8, 18.5, 18.5, 0.0);
(639125.5, 4177647.7, 18.4, 18.4, 0.0); (639144.8, 4177657.5, 18.3, 18.3, 0.0);
(639164.1, 4177667.4, 18.3, 18.3, 0.0); (639204.1, 4177687.6, 18.2, 18.2, 0.0);
(639224.9, 4177698.0, 18.1, 18.1, 0.0); (639245.7, 4177708.4, 18.1, 18.1, 0.0);
(639266.5, 4177718.8, 18.0, 18.0, 0.0); (639287.3, 4177729.2, 17.9, 17.9, 0.0);
(639328.7, 4177750.1, 17.8, 17.8, 0.0); (639349.4, 4177760.6, 17.7, 17.7, 0.0);
(639370.1, 4177771.1, 17.6, 17.6, 0.0); (639412.3, 4177793.2, 17.5, 17.5, 0.0);
(639434.0, 4177804.9, 17.3, 17.3, 0.0); (639469.0, 4177827.9, 17.1, 17.1, 0.0);
(639482.4, 4177839.2, 17.0, 17.0, 0.0); (639506.1, 4177867.1, 17.1, 17.1, 0.0);
(639493.8, 4177800.3, 17.7, 17.7, 0.0); (639472.8, 4177789.7, 17.6, 17.6, 0.0);
(639451.7, 4177779.1, 17.4, 17.4, 0.0); (639430.6,

```
4177768.5,      17.8,      17.8,       0.0);
     ( 639409.5, 4177757.8,      17.8,      17.8,       0.0);         ( 639388.5,
4177747.2,      17.9,      17.9,       0.0);
     ( 639367.4, 4177736.6,      17.9,      17.9,       0.0);         ( 639346.3,
4177726.0,      17.9,      17.9,       0.0);
     ( 639325.2, 4177715.4,      18.1,      18.1,       0.0);         ( 639282.4,
4177693.5,      18.1,      18.1,       0.0);
     ( 639260.6, 4177682.2,      18.1,      18.1,       0.0);         ( 639238.8,
4177671.0,      18.2,      18.2,       0.0);
     ( 639217.1, 4177659.7,      18.3,      18.3,       0.0);         ( 639195.3,
4177648.4,      18.4,      18.4,       0.0);
     ( 639173.5, 4177637.1,      18.4,      18.4,       0.0);         ( 639151.7,
4177625.9,      18.4,      18.4,       0.0);
     ( 639130.0, 4177614.6,      18.5,      18.5,       0.0);         ( 639108.2,
4177603.3,      18.5,      18.5,       0.0);
     ( 639086.4, 4177592.0,      18.6,      18.6,       0.0);         ( 639045.6,
4177570.6,      18.6,      18.6,       0.0);
     ( 639026.7, 4177560.5,      18.5,      18.5,       0.0);         ( 638691.7,
4177391.6,      19.4,      19.4,       0.0);
     ( 638670.5, 4177381.4,      19.4,      19.4,       0.0);         ( 638649.3,
4177371.1,      19.3,      19.3,       0.0);
     ( 638628.1, 4177360.9,      19.3,      19.3,       0.0);         ( 638606.9,
4177350.7,      19.4,      19.4,       0.0);
     ( 638585.7, 4177340.5,      19.4,      19.4,       0.0);         ( 638564.5,
4177330.2,      19.6,      19.6,       0.0);
     ( 638543.3, 4177320.0,      19.7,      19.7,       0.0);
```

```
 *** MODELOPTs:    NonDFAULT  CONC  ELEV  FASTAREA  URBAN  ADJ_U*

                                            *** METEOROLOGICAL DAYS SELECTED FOR
PROCESSING ***
                                                               (1=YES; 0=NO)

            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1

                NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS
INCLUDED IN THE DATA FILE.



                                  *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED
CATEGORIES ***
                                                            (METERS/SEC)

                                                 1.54,   3.09,   5.14,   8.23,  10.80,
```

 *** MODELOPTs:

 *** Message Summary : AERMOD Model Execution ***

  --------- Summary of Total Messages --------

 A Total of   0 Fatal Error Message(s)
 A Total of   1 Warning Message(s)
 A Total of   0 Informational Message(s)

    ******** FATAL ERROR MESSAGES ********
               *** NONE ***

    ********   WARNING MESSAGES   ********
 ME W187   253   MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

    ****
    *** AERMOD Finishes Successfully ***
    ****

Construction Ambient Air Quality Analysis

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.9.0
** Lakes Environmental Software Inc.
** Date: 7/22/2020
** File: C:\Lakes\AERMOD View\Tracy PM10\Tracy PM10.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE Valley Link PM10 Tracy
   TITLETWO Tier 4 Mitigation Construction
   MODELOPT CONC FASTAREA
   AVERTIME 24 ANNUAL
   URBANOPT 91812 Tracy,_CA
   POLLUTID PM_10
   FLAGPOLE 1.20
   RUNORNOT NOT
   ERRORFIL "Tracy PM10.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION TRACK_FD     AREAPOLY   638522.103  4177309.794       19.770
** DESCRSRC Track Segment
   LOCATION TRACK_EXH    AREAPOLY   638522.103  4177309.794       19.770
** DESCRSRC Track Segment
   LOCATION STN_FD       AREAPOLY   638707.022  4177532.277       18.810
** DESCRSRC Tracy Station
   LOCATION STN_EXH      AREAPOLY   638707.022  4177532.277       18.810
** DESCRSRC Tracy Station
** Source Parameters **
   SRCPARAM TRACK_FD     1.2585E-07     0.000        33     0.700
   AREAVERT TRACK_FD     638522.103 4177309.794 638343.901 4177221.399
   AREAVERT TRACK_FD     638056.738 4177083.691 637703.350 4176902.854
   AREAVERT TRACK_FD     637321.818 4176712.694 636866.053 4176483.885
   AREAVERT TRACK_FD     636327.379 4176212.231 636323.054 4176252.436
   AREAVERT TRACK_FD     637151.119 4176671.325 637431.890 4176808.993
   AREAVERT TRACK_FD     637877.830 4177034.843 637948.893 4177069.885
   AREAVERT TRACK_FD     637948.207 4177112.612 638289.058 4177285.531
   AREAVERT TRACK_FD     638352.729 4177317.618 638409.552 4177295.332
   AREAVERT TRACK_FD     638496.675 4177338.005 638623.016 4177402.510
   AREAVERT TRACK_FD     638746.092 4177464.261 638904.557 4177541.844
   AREAVERT TRACK_FD     638991.989 4177583.390 639106.217 4177637.877
   AREAVERT TRACK_FD     639183.334 4177677.215 639308.090 4177739.591
   AREAVERT TRACK_FD     639390.702 4177781.567 639455.628 4177816.509
   AREAVERT TRACK_FD     639495.758 4177850.609 639516.384 4177883.608
   AREAVERT TRACK_FD     639514.901 4177810.898 639304.156 4177704.800
   AREAVERT TRACK_FD     639064.632 4177580.774 638931.713 4177509.892
```

```
   AREAVERT TRACK_FD     638712.912 4177401.804
   SRCPARAM TRACK_EXH    5.2461E-08     3.000        33     0.700
   AREAVERT TRACK_EXH    638522.103 4177309.794 638343.901 4177221.399
   AREAVERT TRACK_EXH    638056.738 4177083.691 637703.350 4176902.854
   AREAVERT TRACK_EXH    637321.818 4176712.694 636866.053 4176483.885
   AREAVERT TRACK_EXH    636327.379 4176212.231 636323.054 4176252.436
   AREAVERT TRACK_EXH    637151.119 4176671.325 637431.890 4176808.993
   AREAVERT TRACK_EXH    637877.830 4177034.843 637948.893 4177069.885
   AREAVERT TRACK_EXH    637948.207 4177112.612 638289.058 4177285.531
   AREAVERT TRACK_EXH    638352.729 4177317.618 638409.552 4177295.332
   AREAVERT TRACK_EXH    638496.675 4177338.005 638623.016 4177402.510
   AREAVERT TRACK_EXH    638746.092 4177464.261 638904.557 4177541.844
   AREAVERT TRACK_EXH    638991.989 4177583.390 639106.217 4177637.877
   AREAVERT TRACK_EXH    639183.334 4177677.215 639308.090 4177739.591
   AREAVERT TRACK_EXH    639390.702 4177781.567 639455.628 4177816.509
   AREAVERT TRACK_EXH    639495.758 4177850.609 639516.384 4177883.608
   AREAVERT TRACK_EXH    639514.901 4177810.898 639304.156 4177704.800
   AREAVERT TRACK_EXH    639064.632 4177580.774 638931.713 4177509.892
   AREAVERT TRACK_EXH    638712.912 4177401.804
   SRCPARAM STN_FD       0.0000141115     0.000         9     0.700
   AREAVERT STN_FD       638707.022 4177532.277 638710.840 4177448.346
   AREAVERT STN_FD       638438.197 4177485.889 638454.101 4177593.330
   AREAVERT STN_FD       638479.309 4177575.127 638510.496 4177557.351
   AREAVERT STN_FD       638544.259 4177546.790 638587.863 4177538.507
   AREAVERT STN_FD       638638.477 4177531.877
   SRCPARAM STN_EXH      1.1404E-08     3.000         9     0.700
   AREAVERT STN_EXH      638707.022 4177532.277 638710.840 4177448.346
   AREAVERT STN_EXH      638438.197 4177485.889 638454.101 4177593.330
   AREAVERT STN_EXH      638479.309 4177575.127 638510.496 4177557.351
   AREAVERT STN_EXH      638544.259 4177546.790 638587.863 4177538.507
   AREAVERT STN_EXH      638638.477 4177531.877
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Seven Days (HRDOW7)"
** Variable Emission Scenario: "Construction"
   EMISFACT TRACK_FD     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK_FD     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK_FD     HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK_FD     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK_FD     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK_FD     HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK_FD     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK_FD     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK_FD     HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK_FD     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK_FD     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK_FD     HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK_FD     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK_FD     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK_FD     HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK_FD     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK_FD     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK_FD     HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK_EXH    HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK_EXH    HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK_EXH    HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK_EXH    HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK_EXH    HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK_EXH    HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK_EXH    HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
```

```
   EMISFACT TRACK_EXH    HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK_EXH    HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK_EXH    HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK_EXH    HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK_EXH    HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK_EXH    HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK_EXH    HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK_EXH    HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK_EXH    HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK_EXH    HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK_EXH    HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK_EXH    HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK_EXH    HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK_EXH    HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STN_FD       HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STN_FD       HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STN_FD       HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STN_FD       HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STN_FD       HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STN_FD       HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STN_FD       HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STN_FD       HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STN_FD       HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STN_FD       HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STN_FD       HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STN_FD       HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STN_FD       HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STN_FD       HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STN_FD       HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STN_FD       HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STN_FD       HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STN_FD       HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STN_EXH      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STN_EXH      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STN_EXH      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STN_EXH      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STN_EXH      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STN_EXH      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STN_EXH      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STN_EXH      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STN_EXH      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STN_EXH      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STN_EXH      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STN_EXH      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STN_EXH      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STN_EXH      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STN_EXH      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STN_EXH      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STN_EXH      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STN_EXH      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STN_EXH      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STN_EXH      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STN_EXH      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
```

```
**
RE STARTING
   INCLUDED "Tracy PM10.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE "C:\Users\19098\Desktop\Local Emissions Analysis\Tracy_2004-2008.SFC"
   PROFFILE "C:\Users\19098\Desktop\Local Emissions Analysis\Tracy_2004-2008.PFL"
   SURFDATA 99008 2004
   UAIRDATA 66666 2004
   PROFBASE 158.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 24 ALL 1ST "TRACY PM10.AD\24H1GALL.PLT" 31
   PLOTFILE ANNUAL ALL "TRACY PM10.AD\AN00GALL.PLT" 32
   SUMMFILE "Tracy PM10.sum"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W187     206       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

 *********************************
 *** SETUP Finishes Successfully ***
 *********************************
```

```
 *** MODELOPTs:    NonDFAULT  CONC  ELEV  FLGPOL  FASTAREA  URBAN  ADJ_U*

                                                 ***     MODEL SETUP OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for     4 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =     91812.0 ;  Urban Roughness Length =  1.000 m

 **Model Allows User-Specified Options:
         1. Stack-tip Downwash.
         2. Model Accounts for ELEVated Terrain Effects.
         3. Use Calms Processing Routine.
         4. Use Missing Data Processing Routine.
         5. No Exponential Decay.
         6. Urban Roughness Length of 1.0 Meter Used.

 **Other Options Specified:
         FASTAREA - Use hybrid approach to optimize AREA sources;
                    also applies to LINE sources (formerly TOXICS option)
         ADJ_U*   - Use ADJ_U* option for SBL in AERMET
         CCVR_Sub - Meteorological data includes CCVR substitutions
         TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Accepts FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  PM_10

 **Model Calculates  1 Short Term Average(s) of:  24-HR
     and Calculates ANNUAL Averages

 **This Run Includes:      4 Source(s);       1 Source Group(s); and    1556 Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:      0 VOLUME source(s)
                 and:      4 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with      0 line(s)


 **Model Will NOT Run After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  18081

 **Output Options Selected:
```

Model Outputs Tables of ANNUAL Averages by Receptor
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 158.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.7 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: Tracy PM10.err
**File for Summary of Results: Tracy PM10.sum

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	SZ INIT. (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
TRACK_FD	0	0.12585E-06	638522.1	4177309.8	19.8	0.00	33	0.70	YES	HRDOW7
TRACK_EXH	0	0.52461E-07	638522.1	4177309.8	19.8	3.00	33	0.70	YES	HRDOW7
STN_FD	0	0.14112E-04	638707.0	4177532.3	18.8	0.00	9	0.70	YES	HRDOW7
STN_EXH	0	0.11404E-07	638707.0	4177532.3	18.8	3.00	9	0.70	YES	HRDOW7

 *** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	TRACK_FD , TRACK_EXH , STN_FD , STN_EXH ,

 *** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
91812.	TRACK_FD , TRACK_EXH , STN_FD , STN_EXH ,	

 *** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

 SOURCE ID = TRACK_FD   ; SOURCE TYPE = AREAPOLY :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                DAY OF WEEK = MONDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = TUESDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = WEDNESDY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = THURSDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = FRIDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01

17 .1000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = TRACK_EXH ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = MONDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = TUESDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = WEDNESDY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = THURSDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = FRIDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01										

17 .1000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

 *** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

 SOURCE ID = STN_FD   ; SOURCE TYPE = AREAPOLY :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

DAY OF WEEK = MONDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = TUESDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = WEDNESDY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = THURSDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = FRIDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01

17 .1000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

 *** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

 SOURCE ID = STN_EXH   ; SOURCE TYPE = AREAPOLY :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

DAY OF WEEK = MONDAY
   1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
   9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
  17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = TUESDAY
   1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
   9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
  17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = WEDNESDY
   1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
   9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
  17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = THURSDAY
   1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
   9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
  17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = FRIDAY
   1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
   9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
  17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY
   1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
   9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
  17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY
   1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
   9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01

17 .1000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638662.0, 4177429.8, 19.0, 19.0, 1.2); (638639.3, 4177433.0, 18.9, 18.9, 1.2);
(638616.6, 4177436.1, 18.7, 18.7, 1.2); (638593.8, 4177439.2, 18.4, 18.4, 1.2);
(638571.1, 4177442.3, 18.5, 18.5, 1.2); (638548.4, 4177445.5, 18.2, 18.2, 1.2);
(638525.7, 4177448.6, 18.5, 18.5, 1.2); (638503.0, 4177451.7, 18.5, 18.5, 1.2);
(638480.2, 4177454.9, 18.5, 18.5, 1.2); (638457.5, 4177458.0, 18.8, 18.8, 1.2);
(638434.8, 4177461.1, 19.0, 19.0, 1.2); (638724.3, 4177405.1, 19.2, 19.2, 1.2);
(638613.1, 4177411.3, 18.8, 18.8, 1.2); (638590.4, 4177414.5, 18.6, 18.6, 1.2);
(638567.7, 4177417.6, 18.7, 18.7, 1.2); (638545.0, 4177420.7, 18.5, 18.5, 1.2);
(638522.3, 4177423.8, 18.6, 18.6, 1.2); (638499.5, 4177427.0, 18.5, 18.5, 1.2);
(638476.8, 4177430.1, 18.7, 18.7, 1.2); (638454.1, 4177433.2, 18.8, 18.8, 1.2);
(638431.4, 4177436.4, 18.9, 18.9, 1.2); (638720.9, 4177380.3, 19.1, 19.1, 1.2);
(638769.5, 4177412.5, 19.2, 19.2, 1.2); (638677.9, 4177377.2, 19.2, 19.2, 1.2);
(638587.0, 4177389.7, 19.0, 19.0, 1.2); (638564.3, 4177392.8, 18.9, 18.9, 1.2);
(638541.6, 4177395.9, 18.9, 18.9, 1.2); (638518.9, 4177399.1, 18.8, 18.8, 1.2);
(638496.1, 4177402.2, 18.7, 18.7, 1.2); (638473.4, 4177405.3, 18.9, 18.9, 1.2);
(638450.7, 4177408.5, 19.0, 19.0, 1.2); (638428.0, 4177411.6, 19.2, 19.2, 1.2);
(638717.5, 4177355.6, 19.2, 19.2, 1.2); (638758.0, 4177368.2, 19.2, 19.2, 1.2);
(638786.4, 4177394.1, 19.2, 19.2, 1.2); (638802.6, 4177433.3, 19.1, 19.1, 1.2);
(638674.5, 4177352.4, 19.3, 19.3, 1.2); (638651.8, 4177355.5, 19.2, 19.2, 1.2);
(638629.0, 4177358.7, 19.3, 19.3, 1.2); (638538.2, 4177371.2, 19.1, 19.1, 1.2);
(638515.4, 4177374.3, 19.0, 19.0, 1.2); (638492.7, 4177377.4, 19.0, 19.0, 1.2);
(638470.0, 4177380.6, 19.2, 19.2, 1.2); (638447.3, 4177383.7, 19.2, 19.2, 1.2);
(638424.6, 4177386.8, 19.3, 19.3, 1.2); (638413.5, 4177489.5, 19.2, 19.2, 1.2);
(638419.8, 4177532.5, 18.7, 18.7, 1.2); (638426.2, 4177575.5, 18.4, 18.4, 1.2);
(638393.5, 4177474.5, 19.5, 19.5, 1.2); (638391.9, 4177514.7, 19.1, 19.1, 1.2);
(638398.3, 4177557.7, 18.6, 18.6, 1.2); (638404.6,

```
4177600.6,      18.6,      18.6,       1.2);
     ( 638368.7, 4177478.2,      19.6,      19.6,       1.2);         ( 638394.8,
4177431.1,      19.2,      19.2,       1.2);
     ( 638367.2, 4177518.4,      19.2,      19.2,       1.2);         ( 638373.6,
4177561.3,      18.6,      18.6,       1.2);
     ( 638379.9, 4177604.3,      18.5,      18.5,       1.2);         ( 638344.0,
4177481.9,      19.4,      19.4,       1.2);
     ( 638353.5, 4177444.5,      19.3,      19.3,       1.2);         ( 638374.8,
4177416.1,      19.3,      19.3,       1.2);
     ( 638342.5, 4177522.0,      19.2,      19.2,       1.2);         ( 638348.8,
4177565.0,      18.6,      18.6,       1.2);
     ( 638355.2, 4177608.0,      18.2,      18.2,       1.2);         ( 638456.6,
4177615.0,      18.7,      18.7,       1.2);
     ( 638481.3, 4177604.5,      18.7,      18.7,       1.2);         ( 638471.2,
4177635.2,      18.5,      18.5,       1.2);
     ( 638446.8, 4177638.0,      18.7,      18.7,       1.2);         ( 638419.7,
4177620.0,      18.6,      18.6,       1.2);
     ( 638496.0, 4177624.8,      18.6,      18.6,       1.2);         ( 638483.4,
4177655.8,      18.4,      18.4,       1.2);
     ( 638439.6, 4177660.8,      18.4,      18.4,       1.2);         ( 638415.9,
4177650.8,      18.5,      18.5,       1.2);
     ( 638397.9, 4177627.6,      18.4,      18.4,       1.2);         ( 638510.6,
4177645.0,      18.4,      18.4,       1.2);
     ( 638498.7, 4177676.0,      18.3,      18.3,       1.2);         ( 638470.9,
4177679.1,      18.3,      18.3,       1.2);
     ( 638429.2, 4177683.9,      18.2,      18.2,       1.2);         ( 638406.7,
4177674.4,      18.3,      18.3,       1.2);
     ( 638389.5, 4177652.2,      18.3,      18.3,       1.2);         ( 638372.3,
4177630.1,      18.2,      18.2,       1.2);
     ( 638525.2, 4177665.3,      18.1,      18.1,       1.2);         ( 638507.3,
4177588.0,      18.6,      18.6,       1.2);
     ( 638519.7, 4177609.7,      18.4,      18.4,       1.2);         ( 638532.0,
4177631.4,      18.1,      18.1,       1.2);
     ( 638544.4, 4177653.1,      17.9,      17.9,       1.2);         ( 638534.8,
4177575.9,      18.4,      18.4,       1.2);
     ( 638542.3, 4177599.8,      18.2,      18.2,       1.2);         ( 638566.7,
4177618.4,      17.9,      17.9,       1.2);
     ( 638574.1, 4177642.2,      17.8,      17.8,       1.2);         ( 638570.7,
4177567.2,      18.3,      18.3,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638575.4, 4177591.8, 18.2, 18.2, 1.2); (638601.9, 4177612.2, 17.9, 17.9, 1.2);
(638606.5, 4177636.8, 17.7, 17.7, 1.2); (638608.0, 4177561.1, 18.5, 18.5, 1.2);
(638641.7, 4177556.7, 18.5, 18.5, 1.2); (638611.2, 4177585.9, 18.2, 18.2, 1.2);
(638645.0, 4177581.4, 18.5, 18.5, 1.2); (638631.4, 4177608.4, 18.0, 18.0, 1.2);
(638634.6, 4177633.2, 17.8, 17.8, 1.2); (638684.0, 4177557.1, 18.6, 18.6, 1.2);
(638706.9, 4177557.3, 18.8, 18.8, 1.2); (638683.9, 4177582.1, 18.4, 18.4, 1.2);
(638706.7, 4177582.3, 18.4, 18.4, 1.2); (638660.9, 4177607.0, 18.1, 18.1, 1.2);
(638683.7, 4177607.1, 18.2, 18.2, 1.2); (638706.6, 4177607.3, 18.0, 18.0, 1.2);
(638660.7, 4177632.0, 17.9, 17.9, 1.2); (638683.6, 4177632.1, 17.9, 17.9, 1.2);
(638706.4, 4177632.3, 17.8, 17.8, 1.2); (638732.0, 4177533.4, 18.7, 18.7, 1.2);
(638733.9, 4177491.4, 19.0, 19.0, 1.2); (638749.2, 4177551.5, 18.6, 18.6, 1.2);
(638757.9, 4177513.6, 19.1, 19.1, 1.2); (638759.8, 4177471.6, 18.8, 18.8, 1.2);
(638774.2, 4177552.7, 18.5, 18.5, 1.2); (638741.3, 4177593.5, 18.4, 18.4, 1.2);
(638782.9, 4177514.7, 19.0, 19.0, 1.2); (638799.2, 4177553.8, 18.4, 18.4, 1.2);
(638783.7, 4177587.8, 18.3, 18.3, 1.2); (638758.5, 4177611.6, 18.2, 18.2, 1.2);
(638807.9, 4177515.8, 18.7, 18.7, 1.2); (638354.7, 4177198.9, 20.5, 20.5, 1.2);
(638332.6, 4177188.3, 20.4, 20.4, 1.2); (638310.5, 4177177.7, 20.6, 20.6, 1.2);
(638288.4, 4177167.1, 20.5, 20.5, 1.2); (638266.4, 4177156.5, 20.8, 20.8, 1.2);
(638244.3, 4177145.9, 20.7, 20.7, 1.2); (638222.2, 4177135.3, 20.6, 20.6, 1.2);
(638200.1, 4177124.7, 21.0, 21.0, 1.2); (638178.0, 4177114.1, 20.9, 20.9, 1.2);
(638155.9, 4177103.5, 21.1, 21.1, 1.2); (638133.8, 4177092.9, 21.0, 21.0, 1.2);
(638111.7, 4177082.3, 21.1, 21.1, 1.2); (638089.6, 4177071.7, 21.0, 21.0, 1.2);
(638067.6, 4177061.1, 21.1, 21.1, 1.2); (638365.5, 4177176.3, 20.4, 20.4, 1.2);
(638343.4, 4177165.7, 20.5, 20.5, 1.2); (638321.3, 4177155.1, 20.5, 20.5, 1.2);
(638299.2, 4177144.5, 20.6, 20.6, 1.2); (638277.2, 4177133.9, 20.9, 20.9, 1.2);
(638255.1, 4177123.3, 20.9, 20.9, 1.2); (638233.0,

```
4177112.8,      21.0,      21.0,       1.2);
     ( 638210.9, 4177102.2,      21.3,      21.3,      1.2);         ( 638188.8,
4177091.6,      21.2,      21.2,       1.2);
     ( 638166.7, 4177081.0,      21.2,      21.2,      1.2);         ( 638144.6,
4177070.4,      21.3,      21.3,       1.2);
     ( 638122.5, 4177059.8,      21.3,      21.3,      1.2);         ( 638100.5,
4177049.2,      21.1,      21.1,       1.2);
     ( 638078.4, 4177038.6,      21.2,      21.2,      1.2);         ( 638376.3,
4177153.8,      20.4,      20.4,       1.2);
     ( 638354.2, 4177143.2,      20.6,      20.6,      1.2);         ( 638332.2,
4177132.6,      20.5,      20.5,       1.2);
     ( 638310.1, 4177122.0,      20.9,      20.9,      1.2);         ( 638288.0,
4177111.4,      20.9,      20.9,       1.2);
     ( 638265.9, 4177100.8,      21.0,      21.0,      1.2);         ( 638243.8,
4177090.2,      21.1,      21.1,       1.2);
     ( 638221.7, 4177079.6,      21.2,      21.2,      1.2);         ( 638199.6,
4177069.0,      21.5,      21.5,       1.2);
     ( 638177.5, 4177058.4,      21.5,      21.5,      1.2);         ( 638155.4,
4177047.8,      21.6,      21.6,       1.2);
     ( 638133.4, 4177037.2,      21.3,      21.3,      1.2);         ( 638111.3,
4177026.7,      21.4,      21.4,       1.2);
     ( 638089.2, 4177016.1,      21.4,      21.4,      1.2);         ( 638387.1,
4177131.2,      20.3,      20.3,       1.2);
     ( 638365.1, 4177120.6,      20.4,      20.4,      1.2);         ( 638343.0,
4177110.0,      20.5,      20.5,       1.2);
     ( 638320.9, 4177099.4,      20.8,      20.8,      1.2);         ( 638298.8,
4177088.9,      20.9,      20.9,       1.2);
     ( 638276.7, 4177078.3,      20.8,      20.8,      1.2);         ( 638254.6,
4177067.7,      20.9,      20.9,       1.2);
     ( 638232.5, 4177057.1,      21.2,      21.2,      1.2);         ( 638210.4,
4177046.5,      21.5,      21.5,       1.2);
     ( 638188.3, 4177035.9,      21.6,      21.6,      1.2);         ( 638166.2,
4177025.3,      21.6,      21.6,       1.2);
     ( 638144.2, 4177014.7,      21.8,      21.8,      1.2);         ( 638122.1,
4177004.1,      21.6,      21.6,       1.2);
     ( 638100.0, 4176993.5,      21.4,      21.4,      1.2);         ( 638046.0,
4177050.1,      21.3,      21.3,       1.2);
     ( 638024.0, 4177038.8,      21.1,      21.1,      1.2);         ( 638001.9,
4177027.5,      21.4,      21.4,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637979.8, 4177016.2, 21.5, 21.5, 1.2); (637957.7, 4177004.9, 21.6, 21.6, 1.2);
(637935.6, 4176993.6, 21.6, 21.6, 1.2); (637913.5, 4176982.3, 21.2, 21.2, 1.2);
(637891.4, 4176971.0, 21.2, 21.2, 1.2); (637869.4, 4176959.7, 21.2, 21.2, 1.2);
(637847.3, 4176948.4, 21.1, 21.1, 1.2); (637825.2, 4176937.1, 20.7, 20.7, 1.2);
(637803.1, 4176925.8, 20.7, 20.7, 1.2); (637781.0, 4176914.5, 20.7, 20.7, 1.2);
(637758.9, 4176903.2, 20.6, 20.6, 1.2); (637736.8, 4176891.9, 20.6, 20.6, 1.2);
(637714.7, 4176880.6, 20.8, 20.8, 1.2); (638057.4, 4177027.9, 21.4, 21.4, 1.2);
(638035.3, 4177016.6, 21.1, 21.1, 1.2); (638013.2, 4177005.3, 21.5, 21.5, 1.2);
(637991.2, 4176994.0, 21.1, 21.1, 1.2); (637969.1, 4176982.7, 21.5, 21.5, 1.2);
(637947.0, 4176971.4, 21.4, 21.4, 1.2); (637924.9, 4176960.1, 21.2, 21.2, 1.2);
(637902.8, 4176948.8, 21.5, 21.5, 1.2); (637880.7, 4176937.5, 21.8, 21.8, 1.2);
(637858.7, 4176926.2, 21.7, 21.7, 1.2); (637836.6, 4176914.8, 21.7, 21.7, 1.2);
(637814.5, 4176903.5, 21.6, 21.6, 1.2); (637792.4, 4176892.2, 21.6, 21.6, 1.2);
(637770.3, 4176880.9, 21.6, 21.6, 1.2); (637748.2, 4176869.6, 21.6, 21.6, 1.2);
(637726.1, 4176858.3, 21.6, 21.6, 1.2); (638068.8, 4177005.6, 21.4, 21.4, 1.2);
(638046.7, 4176994.3, 21.7, 21.7, 1.2); (638024.6, 4176983.0, 21.3, 21.3, 1.2);
(638002.6, 4176971.7, 21.3, 21.3, 1.2); (637980.5, 4176960.4, 21.5, 21.5, 1.2);
(637958.4, 4176949.1, 21.6, 21.6, 1.2); (637936.3, 4176937.8, 21.0, 21.0, 1.2);
(637914.2, 4176926.5, 21.1, 21.1, 1.2); (637892.1, 4176915.2, 22.0, 22.0, 1.2);
(637870.0, 4176903.9, 21.9, 21.9, 1.2); (637848.0, 4176892.6, 21.7, 21.7, 1.2);
(637825.9, 4176881.3, 21.6, 21.6, 1.2); (637803.8, 4176870.0, 21.5, 21.5, 1.2);
(637781.7, 4176858.7, 21.5, 21.5, 1.2); (637759.6, 4176847.4, 21.4, 21.4, 1.2);
(637737.5, 4176836.1, 21.4, 21.4, 1.2); (638058.1, 4176972.1, 21.7, 21.7, 1.2);
(638036.0, 4176960.8, 21.4, 21.4, 1.2); (638014.0, 4176949.5, 21.6, 21.6, 1.2);
(637991.9, 4176938.2, 21.3, 21.3, 1.2); (637969.8, 4176926.9, 21.7, 21.7, 1.2);
(637947.7, 4176915.5, 21.2, 21.2, 1.2); (637925.6,

```
4176904.2,      20.9,      20.9,       1.2);
     ( 637903.5, 4176892.9,      21.5,      21.5,      1.2);         ( 637881.4,
4176881.6,      21.6,      21.6,       1.2);
     ( 637859.3, 4176870.3,      21.6,      21.6,      1.2);         ( 637837.2,
4176859.0,      21.6,      21.6,       1.2);
     ( 637815.2, 4176847.7,      21.6,      21.6,      1.2);         ( 637793.1,
4176836.4,      21.6,      21.6,       1.2);
     ( 637771.0, 4176825.1,      21.5,      21.5,      1.2);         ( 637748.9,
4176813.8,      21.3,      21.3,       1.2);
     ( 637693.3, 4176869.9,      20.9,      20.9,      1.2);         ( 637672.1,
4176859.3,      21.0,      21.0,       1.2);
     ( 637650.9, 4176848.8,      21.0,      21.0,      1.2);         ( 637629.7,
4176838.2,      21.0,      21.0,       1.2);
     ( 637608.5, 4176827.7,      21.1,      21.1,      1.2);         ( 637587.3,
4176817.1,      21.2,      21.2,       1.2);
     ( 637566.1, 4176806.5,      21.2,      21.2,      1.2);         ( 637544.9,
4176796.0,      21.3,      21.3,       1.2);
     ( 637523.7, 4176785.4,      21.3,      21.3,      1.2);         ( 637502.5,
4176774.8,      21.3,      21.3,       1.2);
     ( 637481.3, 4176764.3,      21.5,      21.5,      1.2);         ( 637460.2,
4176753.7,      21.6,      21.6,       1.2);
     ( 637439.0, 4176743.1,      21.6,      21.6,      1.2);         ( 637417.8,
4176732.6,      21.7,      21.7,       1.2);
     ( 637396.6, 4176722.0,      21.6,      21.6,      1.2);         ( 637375.4,
4176711.4,      21.5,      21.5,       1.2);
     ( 637354.2, 4176700.9,      21.2,      21.2,      1.2);         ( 637333.0,
4176690.3,      21.1,      21.1,       1.2);
     ( 637704.5, 4176847.5,      21.6,      21.6,      1.2);         ( 637683.3,
4176837.0,      21.6,      21.6,       1.2);
     ( 637662.1, 4176826.4,      21.7,      21.7,      1.2);         ( 637640.9,
4176815.8,      21.8,      21.8,       1.2);
     ( 637619.7, 4176805.3,      21.7,      21.7,      1.2);         ( 637598.5,
4176794.7,      21.7,      21.7,       1.2);
     ( 637577.3, 4176784.1,      21.8,      21.8,      1.2);         ( 637556.1,
4176773.6,      21.9,      21.9,       1.2);
     ( 637534.9, 4176763.0,      21.8,      21.8,      1.2);         ( 637513.7,
4176752.5,      21.8,      21.8,       1.2);
     ( 637492.5, 4176741.9,      21.8,      21.8,      1.2);         ( 637471.3,
4176731.3,      21.7,      21.7,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637450.1, 4176720.8, 21.7, 21.7, 1.2); (637428.9, 4176710.2, 21.7, 21.7, 1.2);
(637407.7, 4176699.6, 21.6, 21.6, 1.2); (637386.5, 4176689.1, 21.5, 21.5, 1.2);
(637365.3, 4176678.5, 21.4, 21.4, 1.2); (637344.1, 4176667.9, 21.4, 21.4, 1.2);
(637715.6, 4176825.2, 21.4, 21.4, 1.2); (637694.4, 4176814.6, 21.3, 21.3, 1.2);
(637673.2, 4176804.0, 21.7, 21.7, 1.2); (637652.0, 4176793.5, 21.8, 21.8, 1.2);
(637630.8, 4176782.9, 21.5, 21.5, 1.2); (637609.6, 4176772.3, 21.3, 21.3, 1.2);
(637588.4, 4176761.8, 21.4, 21.4, 1.2); (637567.2, 4176751.2, 21.5, 21.5, 1.2);
(637546.0, 4176740.6, 21.4, 21.4, 1.2); (637524.8, 4176730.1, 21.4, 21.4, 1.2);
(637503.7, 4176719.5, 21.3, 21.3, 1.2); (637482.5, 4176709.0, 21.3, 21.3, 1.2);
(637461.2, 4176698.4, 21.3, 21.3, 1.2); (637440.1, 4176687.8, 21.4, 21.4, 1.2);
(637418.9, 4176677.3, 21.4, 21.4, 1.2); (637397.7, 4176666.7, 21.3, 21.3, 1.2);
(637376.5, 4176656.1, 21.2, 21.2, 1.2); (637355.3, 4176645.6, 21.2, 21.2, 1.2);
(637726.8, 4176802.8, 21.4, 21.4, 1.2); (637705.6, 4176792.2, 21.2, 21.2, 1.2);
(637684.4, 4176781.7, 21.6, 21.6, 1.2); (637663.2, 4176771.1, 21.8, 21.8, 1.2);
(637642.0, 4176760.5, 21.1, 21.1, 1.2); (637620.8, 4176750.0, 21.3, 21.3, 1.2);
(637599.6, 4176739.4, 21.4, 21.4, 1.2); (637578.4, 4176728.8, 21.5, 21.5, 1.2);
(637557.2, 4176718.3, 21.5, 21.5, 1.2); (637536.0, 4176707.7, 21.4, 21.4, 1.2);
(637514.8, 4176697.1, 21.3, 21.3, 1.2); (637493.6, 4176686.6, 20.9, 20.9, 1.2);
(637472.4, 4176676.0, 21.3, 21.3, 1.2); (637451.2, 4176665.4, 21.5, 21.5, 1.2);
(637430.0, 4176654.9, 21.3, 21.3, 1.2); (637408.8, 4176644.3, 21.3, 21.3, 1.2);
(637387.6, 4176633.8, 21.3, 21.3, 1.2); (637366.4, 4176623.2, 21.3, 21.3, 1.2);
(637311.3, 4176679.5, 21.1, 21.1, 1.2); (637289.6, 4176668.6, 21.1, 21.1, 1.2);
(637267.9, 4176657.7, 20.9, 20.9, 1.2); (637246.2, 4176646.8, 20.7, 20.7, 1.2);
(637224.5, 4176635.9, 20.8, 21.9, 1.2); (637202.8, 4176625.0, 22.1, 22.1, 1.2);
(637181.1, 4176614.1, 20.7, 20.7, 1.2); (637159.4, 4176603.2, 20.6, 20.6, 1.2);
(637137.7, 4176592.3, 20.7, 20.7, 1.2); (637116.0,

```
4176581.4,      20.6,      20.6,       1.2);
     ( 637094.3, 4176570.5,      20.4,      20.4,       1.2);         ( 637072.6,
4176559.6,      20.4,      20.4,       1.2);
     ( 637050.9, 4176548.7,      20.4,      20.4,       1.2);         ( 637029.2,
4176537.8,      20.4,      20.4,       1.2);
     ( 637007.5, 4176526.9,      20.5,      20.5,       1.2);         ( 636985.8,
4176516.0,      20.5,      20.5,       1.2);
     ( 636964.1, 4176505.1,      20.5,      20.5,       1.2);         ( 636942.4,
4176494.2,      20.5,      20.5,       1.2);
     ( 636920.7, 4176483.3,      20.5,      20.5,       1.2);         ( 636899.0,
4176472.4,      20.6,      20.6,       1.2);
     ( 636877.3, 4176461.5,      20.5,      20.5,       1.2);         ( 637322.6,
4176657.1,      21.4,      21.4,       1.2);
     ( 637300.8, 4176646.2,      21.4,      21.4,       1.2);         ( 637279.1,
4176635.3,      21.5,      21.5,       1.2);
     ( 637257.4, 4176624.4,      21.3,      21.5,       1.2);         ( 637235.7,
4176613.5,      21.1,      21.3,       1.2);
     ( 637214.0, 4176602.6,      21.7,      21.7,       1.2);         ( 637192.3,
4176591.7,      21.0,      21.0,       1.2);
     ( 637170.6, 4176580.8,      20.9,      20.9,       1.2);         ( 637148.9,
4176569.9,      20.9,      20.9,       1.2);
     ( 637127.2, 4176559.0,      20.6,      20.6,       1.2);         ( 637105.5,
4176548.2,      20.4,      20.4,       1.2);
     ( 637083.8, 4176537.3,      20.5,      20.5,       1.2);         ( 637062.1,
4176526.4,      20.6,      20.6,       1.2);
     ( 637040.4, 4176515.5,      20.8,      20.8,       1.2);         ( 637018.7,
4176504.6,      20.8,      20.8,       1.2);
     ( 636997.0, 4176493.7,      20.8,      20.8,       1.2);         ( 636975.3,
4176482.8,      20.8,      20.8,       1.2);
     ( 636953.6, 4176471.9,      20.9,      20.9,       1.2);         ( 636931.9,
4176461.0,      20.9,      20.9,       1.2);
     ( 636910.2, 4176450.1,      20.8,      20.8,       1.2);         ( 636888.5,
4176439.2,      20.8,      20.8,       1.2);
     ( 637333.8, 4176634.8,      21.3,      21.3,       1.2);         ( 637312.1,
4176623.9,      21.3,      21.3,       1.2);
     ( 637290.4, 4176613.0,      21.2,      21.2,       1.2);         ( 637268.7,
4176602.1,      20.6,      21.0,       1.2);
     ( 637247.0, 4176591.2,      20.9,      20.9,       1.2);         ( 637225.2,
4176580.3,      21.3,      21.3,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637203.6, 4176569.4, 21.6, 21.6, 1.2); (637181.8, 4176558.5, 21.2, 21.2, 1.2);
(637160.1, 4176547.6, 21.4, 21.4, 1.2); (637138.4, 4176536.7, 21.4, 21.4, 1.2);
(637116.7, 4176525.8, 20.6, 20.6, 1.2); (637095.0, 4176514.9, 20.7, 20.7, 1.2);
(637073.3, 4176504.0, 20.7, 20.7, 1.2); (637051.6, 4176493.1, 20.4, 20.4, 1.2);
(637029.9, 4176482.2, 20.6, 20.6, 1.2); (637008.2, 4176471.3, 20.7, 20.7, 1.2);
(636986.5, 4176460.4, 20.7, 20.7, 1.2); (636964.8, 4176449.5, 20.6, 20.6, 1.2);
(636943.1, 4176438.6, 20.6, 20.6, 1.2); (636921.4, 4176427.8, 20.7, 20.7, 1.2);
(636899.7, 4176416.9, 20.6, 20.6, 1.2); (637345.0, 4176612.4, 21.2, 21.2, 1.2);
(637323.3, 4176601.5, 21.2, 21.2, 1.2); (637301.6, 4176590.6, 21.3, 21.3, 1.2);
(637279.9, 4176579.7, 19.7, 21.3, 1.2); (637258.2, 4176568.8, 20.9, 20.9, 1.2);
(637236.5, 4176557.9, 21.4, 21.4, 1.2); (637214.8, 4176547.0, 21.4, 21.4, 1.2);
(637193.1, 4176536.2, 21.2, 21.2, 1.2); (637171.4, 4176525.3, 21.1, 21.1, 1.2);
(637149.7, 4176514.4, 21.5, 21.5, 1.2); (637128.0, 4176503.5, 20.8, 20.8, 1.2);
(637106.2, 4176492.6, 20.9, 20.9, 1.2); (637084.5, 4176481.7, 20.7, 20.7, 1.2);
(637062.8, 4176470.8, 20.6, 20.6, 1.2); (637041.1, 4176459.9, 20.7, 20.7, 1.2);
(637019.4, 4176449.0, 20.8, 20.8, 1.2); (636997.7, 4176438.1, 20.9, 20.9, 1.2);
(636976.0, 4176427.2, 20.7, 20.7, 1.2); (636954.3, 4176416.3, 20.8, 20.8, 1.2);
(636932.6, 4176405.4, 21.0, 21.0, 1.2); (636910.9, 4176394.5, 20.8, 20.8, 1.2);
(636855.8, 4176450.7, 20.5, 20.5, 1.2); (636834.2, 4176439.8, 20.5, 20.5, 1.2);
(636812.7, 4176429.0, 20.7, 20.7, 1.2); (636791.1, 4176418.1, 20.7, 20.7, 1.2);
(636769.6, 4176407.2, 20.7, 20.7, 1.2); (636748.0, 4176396.4, 20.5, 20.5, 1.2);
(636726.5, 4176385.5, 20.6, 20.6, 1.2); (636704.9, 4176374.6, 20.6, 20.6, 1.2);
(636683.4, 4176363.8, 20.6, 20.6, 1.2); (636661.8, 4176352.9, 20.6, 20.6, 1.2);
(636640.3, 4176342.0, 20.5, 20.5, 1.2); (636618.8, 4176331.2, 20.6, 20.6, 1.2);
(636597.2, 4176320.3, 20.6, 20.6, 1.2); (636575.7, 4176309.4, 20.7, 20.7, 1.2);
(636554.1, 4176298.6, 20.6, 20.6, 1.2); (636532.6,

```
4176287.7,      20.7,      20.7,       1.2);
     ( 636511.0, 4176276.8,      20.7,      20.7,       1.2);         ( 636489.5,
4176266.0,      20.7,      20.7,       1.2);
     ( 636467.9, 4176255.1,      20.7,      20.7,       1.2);         ( 636446.4,
4176244.2,      20.8,      20.8,       1.2);
     ( 636424.8, 4176233.4,      20.8,      20.8,       1.2);         ( 636403.3,
4176222.5,      20.8,      20.8,       1.2);
     ( 636381.7, 4176211.6,      20.9,      20.9,       1.2);         ( 636360.2,
4176200.8,      21.1,      21.1,       1.2);
     ( 636338.6, 4176189.9,      21.5,      21.5,       1.2);         ( 636867.0,
4176428.4,      20.8,      20.8,       1.2);
     ( 636845.5, 4176417.5,      20.9,      20.9,       1.2);         ( 636823.9,
4176406.6,      21.0,      21.0,       1.2);
     ( 636802.4, 4176395.8,      21.1,      21.1,       1.2);         ( 636780.8,
4176384.9,      21.2,      21.2,       1.2);
     ( 636759.3, 4176374.0,      20.9,      20.9,       1.2);         ( 636737.7,
4176363.2,      20.8,      20.8,       1.2);
     ( 636716.2, 4176352.3,      20.8,      20.8,       1.2);         ( 636694.6,
4176341.4,      20.7,      20.7,       1.2);
     ( 636673.1, 4176330.6,      20.7,      20.7,       1.2);         ( 636651.6,
4176319.7,      20.7,      20.7,       1.2);
     ( 636630.0, 4176308.8,      20.7,      20.7,       1.2);         ( 636608.5,
4176298.0,      20.8,      20.8,       1.2);
     ( 636586.9, 4176287.1,      20.9,      20.9,       1.2);         ( 636565.4,
4176276.2,      21.1,      21.1,       1.2);
     ( 636543.8, 4176265.4,      21.1,      21.1,       1.2);         ( 636522.3,
4176254.5,      21.1,      21.1,       1.2);
     ( 636500.7, 4176243.6,      21.2,      21.2,       1.2);         ( 636479.2,
4176232.8,      21.3,      21.3,       1.2);
     ( 636457.6, 4176221.9,      21.4,      21.4,       1.2);         ( 636436.1,
4176211.0,      21.6,      21.6,       1.2);
     ( 636414.5, 4176200.2,      21.9,      21.9,       1.2);         ( 636393.0,
4176189.3,      21.9,      21.9,       1.2);
     ( 636371.4, 4176178.4,      21.8,      21.8,       1.2);         ( 636349.9,
4176167.6,      21.5,      21.5,       1.2);
     ( 636878.3, 4176406.0,      20.6,      20.6,       1.2);         ( 636856.7,
4176395.2,      20.7,      20.7,       1.2);
     ( 636835.2, 4176384.3,      20.9,      20.9,       1.2);         ( 636813.6,
4176373.4,      20.9,      20.9,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(636792.1, 4176362.6, 21.2, 21.2, 1.2); (636770.5, 4176351.7, 21.0, 21.0, 1.2);
(636749.0, 4176340.9, 20.6, 20.6, 1.2); (636727.5, 4176330.0, 20.5, 20.5, 1.2);
(636705.9, 4176319.1, 20.5, 20.5, 1.2); (636684.4, 4176308.3, 20.5, 20.5, 1.2);
(636662.8, 4176297.4, 20.5, 20.5, 1.2); (636641.3, 4176286.5, 20.5, 20.5, 1.2);
(636619.7, 4176275.7, 20.6, 20.6, 1.2); (636598.2, 4176264.8, 20.7, 20.7, 1.2);
(636576.6, 4176253.9, 20.8, 20.8, 1.2); (636555.1, 4176243.1, 20.8, 20.8, 1.2);
(636533.5, 4176232.2, 20.9, 20.9, 1.2); (636512.0, 4176221.3, 21.0, 21.0, 1.2);
(636490.4, 4176210.5, 21.1, 21.1, 1.2); (636468.9, 4176199.6, 21.1, 21.1, 1.2);
(636447.3, 4176188.7, 21.6, 21.6, 1.2); (636425.8, 4176177.9, 22.0, 22.0, 1.2);
(636404.2, 4176167.0, 21.7, 21.7, 1.2); (636382.7, 4176156.1, 21.6, 21.6, 1.2);
(636361.2, 4176145.3, 21.9, 21.9, 1.2); (636889.5, 4176383.7, 20.7, 20.7, 1.2);
(636868.0, 4176372.9, 20.9, 20.9, 1.2); (636846.4, 4176362.0, 21.1, 21.1, 1.2);
(636824.9, 4176351.1, 20.9, 20.9, 1.2); (636803.4, 4176340.3, 21.2, 21.2, 1.2);
(636781.8, 4176329.4, 21.0, 21.0, 1.2); (636760.2, 4176318.5, 20.6, 20.6, 1.2);
(636738.7, 4176307.7, 20.6, 20.6, 1.2); (636717.2, 4176296.8, 20.8, 20.8, 1.2);
(636695.6, 4176285.9, 20.6, 20.6, 1.2); (636674.1, 4176275.1, 20.6, 20.6, 1.2);
(636652.5, 4176264.2, 20.8, 20.8, 1.2); (636631.0, 4176253.3, 21.0, 21.0, 1.2);
(636609.4, 4176242.5, 20.6, 20.6, 1.2); (636587.9, 4176231.6, 21.0, 21.0, 1.2);
(636566.3, 4176220.7, 21.0, 21.0, 1.2); (636544.8, 4176209.9, 21.0, 21.0, 1.2);
(636523.2, 4176199.0, 21.1, 21.1, 1.2); (636501.7, 4176188.1, 21.4, 21.4, 1.2);
(636480.1, 4176177.3, 21.0, 21.0, 1.2); (636458.6, 4176166.4, 21.5, 21.5, 1.2);
(636437.1, 4176155.5, 21.8, 21.8, 1.2); (636415.5, 4176144.7, 21.7, 21.7, 1.2);
(636394.0, 4176133.8, 21.4, 21.4, 1.2); (636372.4, 4176122.9, 22.0, 22.0, 1.2);
(636333.6, 4176285.8, 21.4, 21.4, 1.2); (636355.4, 4176296.8, 20.6, 20.6, 1.2);
(636377.1, 4176307.8, 20.3, 20.3, 1.2); (636398.9, 4176318.8, 20.2, 20.2, 1.2);
(636420.7, 4176329.9, 20.2, 20.2, 1.2); (636442.5,

```
4176340.9,      20.2,      20.2,       1.2);
     ( 636464.3, 4176351.9,      20.1,      20.1,      1.2);         ( 636486.1,
4176362.9,      20.2,      20.2,       1.2);
     ( 636507.9, 4176373.9,      20.2,      20.2,      1.2);         ( 636529.7,
4176385.0,      20.2,      20.2,       1.2);
     ( 636551.5, 4176396.0,      20.2,      20.2,      1.2);         ( 636573.3,
4176407.0,      20.1,      20.1,       1.2);
     ( 636595.1, 4176418.0,      20.1,      20.1,      1.2);         ( 636616.9,
4176429.1,      20.1,      20.1,       1.2);
     ( 636638.6, 4176440.1,      20.1,      20.1,      1.2);         ( 636660.4,
4176451.1,      20.2,      20.2,       1.2);
     ( 636682.2, 4176462.1,      20.0,      20.0,      1.2);         ( 636704.0,
4176473.2,      20.0,      20.0,       1.2);
     ( 636725.8, 4176484.2,      19.8,      19.8,      1.2);         ( 636747.6,
4176495.2,      19.8,      19.8,       1.2);
     ( 636769.4, 4176506.2,      20.0,      20.0,      1.2);         ( 636791.2,
4176517.3,      20.0,      20.0,       1.2);
     ( 636813.0, 4176528.3,      20.2,      20.2,      1.2);         ( 636834.8,
4176539.3,      20.3,      20.3,       1.2);
     ( 636856.6, 4176550.3,      20.2,      20.2,      1.2);         ( 636878.3,
4176561.3,      20.3,      20.3,       1.2);
     ( 636900.1, 4176572.4,      20.3,      20.3,      1.2);         ( 636921.9,
4176583.4,      20.3,      20.3,       1.2);
     ( 636943.7, 4176594.4,      20.3,      20.3,      1.2);         ( 636965.5,
4176605.4,      20.2,      20.2,       1.2);
     ( 636987.3, 4176616.5,      20.2,      20.2,      1.2);         ( 637009.1,
4176627.5,      20.4,      20.4,       1.2);
     ( 637030.9, 4176638.5,      20.5,      20.5,      1.2);         ( 637052.7,
4176649.5,      20.4,      20.4,       1.2);
     ( 637074.5, 4176660.6,      20.4,      20.4,      1.2);         ( 637096.2,
4176671.6,      20.4,      20.4,       1.2);
     ( 637118.0, 4176682.6,      20.6,      20.6,      1.2);         ( 637139.8,
4176693.6,      21.2,      21.2,       1.2);
     ( 636322.3, 4176308.1,      20.8,      20.8,      1.2);         ( 636344.1,
4176319.1,      20.6,      20.6,       1.2);
     ( 636365.9, 4176330.1,      20.1,      20.1,      1.2);         ( 636387.7,
4176341.1,      20.1,      20.1,       1.2);
     ( 636409.4, 4176352.2,      20.1,      20.1,      1.2);         ( 636431.2,
4176363.2,      19.9,      19.9,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(636453.0, 4176374.2, 19.9, 19.9, 1.2); (636474.8, 4176385.2, 19.9, 19.9, 1.2);
(636496.6, 4176396.3, 19.8, 19.8, 1.2); (636518.4, 4176407.3, 19.8, 19.8, 1.2);
(636540.2, 4176418.3, 19.8, 19.8, 1.2); (636562.0, 4176429.3, 19.9, 19.9, 1.2);
(636583.8, 4176440.4, 19.8, 19.8, 1.2); (636605.6, 4176451.4, 19.8, 19.8, 1.2);
(636627.4, 4176462.4, 19.9, 19.9, 1.2); (636649.1, 4176473.4, 19.8, 19.8, 1.2);
(636670.9, 4176484.4, 19.9, 19.9, 1.2); (636692.7, 4176495.5, 19.9, 19.9, 1.2);
(636714.5, 4176506.5, 19.8, 19.8, 1.2); (636736.3, 4176517.5, 19.8, 19.8, 1.2);
(636758.1, 4176528.5, 19.9, 19.9, 1.2); (636779.9, 4176539.6, 19.9, 19.9, 1.2);
(636801.7, 4176550.6, 20.0, 20.0, 1.2); (636823.5, 4176561.6, 20.1, 20.1, 1.2);
(636845.3, 4176572.6, 20.1, 20.1, 1.2); (636867.1, 4176583.7, 20.2, 20.2, 1.2);
(636888.9, 4176594.7, 20.1, 20.1, 1.2); (636910.6, 4176605.7, 20.1, 20.1, 1.2);
(636932.4, 4176616.7, 20.1, 20.1, 1.2); (636954.2, 4176627.8, 19.9, 19.9, 1.2);
(636976.0, 4176638.8, 19.9, 19.9, 1.2); (636997.8, 4176649.8, 19.8, 19.8, 1.2);
(637019.6, 4176660.8, 19.8, 19.8, 1.2); (637041.4, 4176671.8, 19.8, 19.8, 1.2);
(637063.2, 4176682.9, 20.1, 20.1, 1.2); (637085.0, 4176693.9, 19.6, 19.6, 1.2);
(637106.8, 4176704.9, 20.1, 20.1, 1.2); (637128.6, 4176715.9, 21.0, 21.0, 1.2);
(636311.0, 4176330.4, 20.6, 20.6, 1.2); (636332.8, 4176341.4, 20.7, 20.7, 1.2);
(636354.6, 4176352.4, 20.0, 20.0, 1.2); (636376.4, 4176363.4, 19.7, 19.7, 1.2);
(636398.2, 4176374.5, 19.6, 19.6, 1.2); (636420.0, 4176385.5, 19.5, 19.5, 1.2);
(636441.7, 4176396.5, 19.4, 19.4, 1.2); (636463.5, 4176407.5, 19.4, 19.4, 1.2);
(636485.3, 4176418.6, 19.3, 19.3, 1.2); (636507.1, 4176429.6, 19.2, 19.2, 1.2);
(636528.9, 4176440.6, 19.2, 19.2, 1.2); (636550.7, 4176451.6, 19.1, 19.1, 1.2);
(636572.5, 4176462.7, 19.0, 19.0, 1.2); (636594.3, 4176473.7, 19.4, 19.4, 1.2);
(636616.1, 4176484.7, 19.8, 19.8, 1.2); (636637.9, 4176495.7, 19.6, 19.6, 1.2);
(636659.7, 4176506.8, 19.4, 19.4, 1.2); (636681.4, 4176517.8, 19.9, 19.9, 1.2);
(636703.2, 4176528.8, 19.7, 19.7, 1.2); (636725.0,

```
4176539.8,      19.2,      19.2,       1.2);
     ( 636746.8, 4176550.8,      19.3,      19.3,       1.2);         ( 636768.6,
4176561.9,      19.4,      19.4,       1.2);
     ( 636790.4, 4176572.9,      19.4,      19.4,       1.2);         ( 636812.2,
4176583.9,      19.5,      19.5,       1.2);
     ( 636834.0, 4176594.9,      19.6,      19.6,       1.2);         ( 636855.8,
4176606.0,      19.7,      19.7,       1.2);
     ( 636877.6, 4176617.0,      19.6,      19.6,       1.2);         ( 636899.4,
4176628.0,      19.5,      19.5,       1.2);
     ( 636921.1, 4176639.0,      19.4,      19.4,       1.2);         ( 636942.9,
4176650.1,      19.4,      19.4,       1.2);
     ( 636964.7, 4176661.1,      19.3,      19.3,       1.2);         ( 636986.5,
4176672.1,      19.3,      19.3,       1.2);
     ( 637008.3, 4176683.1,      19.6,      19.6,       1.2);         ( 637030.1,
4176694.2,      19.9,      19.9,       1.2);
     ( 637051.9, 4176705.2,      19.9,      19.9,       1.2);         ( 637073.7,
4176716.2,      19.3,      19.3,       1.2);
     ( 637095.5, 4176727.2,      19.9,      19.9,       1.2);         ( 637117.3,
4176738.2,      20.4,      20.4,       1.2);
     ( 636299.7, 4176352.7,      20.2,      20.2,       1.2);         ( 636321.5,
4176363.7,      20.3,      20.3,       1.2);
     ( 636343.3, 4176374.7,      20.1,      20.1,       1.2);         ( 636365.1,
4176385.8,      19.9,      19.9,       1.2);
     ( 636386.9, 4176396.8,      19.8,      19.8,       1.2);         ( 636408.7,
4176407.8,      19.5,      19.5,       1.2);
     ( 636430.5, 4176418.8,      19.9,      19.9,       1.2);         ( 636452.2,
4176429.9,      19.9,      19.9,       1.2);
     ( 636474.0, 4176440.9,      19.8,      19.8,       1.2);         ( 636495.8,
4176451.9,      19.7,      19.7,       1.2);
     ( 636517.6, 4176462.9,      19.6,      19.6,       1.2);         ( 636539.4,
4176473.9,      19.6,      19.6,       1.2);
     ( 636561.2, 4176485.0,      19.2,      19.2,       1.2);         ( 636583.0,
4176496.0,      19.3,      19.3,       1.2);
     ( 636604.8, 4176507.0,      19.7,      19.7,       1.2);         ( 636626.6,
4176518.0,      19.6,      19.6,       1.2);
     ( 636648.4, 4176529.1,      19.4,      19.4,       1.2);         ( 636670.2,
4176540.1,      19.8,      19.8,       1.2);
     ( 636692.0, 4176551.1,      19.7,      19.7,       1.2);         ( 636713.7,
4176562.1,      19.1,      19.1,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(636735.5, 4176573.2, 19.8, 19.8, 1.2); (636757.3, 4176584.2, 20.0, 20.0, 1.2);
(636779.1, 4176595.2, 20.0, 20.0, 1.2); (636800.9, 4176606.2, 20.0, 20.0, 1.2);
(636822.7, 4176617.2, 20.1, 20.1, 1.2); (636844.5, 4176628.3, 20.1, 20.1, 1.2);
(636866.3, 4176639.3, 20.2, 20.2, 1.2); (636888.1, 4176650.3, 20.1, 20.1, 1.2);
(636909.9, 4176661.3, 20.0, 20.0, 1.2); (636931.7, 4176672.4, 19.9, 19.9, 1.2);
(636953.4, 4176683.4, 19.8, 19.8, 1.2); (636975.2, 4176694.4, 19.7, 19.7, 1.2);
(636997.0, 4176705.4, 19.3, 19.3, 1.2); (637018.8, 4176716.5, 19.1, 19.1, 1.2);
(637040.6, 4176727.5, 19.4, 19.4, 1.2); (637062.4, 4176738.5, 19.3, 19.3, 1.2);
(637084.2, 4176749.5, 19.7, 19.7, 1.2); (637106.0, 4176760.6, 19.9, 19.9, 1.2);
(637161.7, 4176704.4, 21.9, 21.9, 1.2); (637183.3, 4176714.9, 19.0, 22.2, 1.2);
(637204.9, 4176725.5, 20.0, 20.0, 1.2); (637226.5, 4176736.1, 20.2, 20.2, 1.2);
(637248.1, 4176746.7, 20.4, 20.4, 1.2); (637269.7, 4176757.3, 20.5, 20.5, 1.2);
(637291.3, 4176767.9, 20.5, 20.5, 1.2); (637312.9, 4176778.5, 20.5, 20.5, 1.2);
(637334.5, 4176789.1, 20.6, 20.6, 1.2); (637356.1, 4176799.7, 20.6, 20.6, 1.2);
(637377.7, 4176810.3, 20.7, 20.7, 1.2); (637399.3, 4176820.8, 20.6, 20.6, 1.2);
(637420.9, 4176831.4, 20.6, 20.6, 1.2); (637150.7, 4176726.8, 21.3, 21.3, 1.2);
(637172.3, 4176737.4, 19.0, 21.6, 1.2); (637193.9, 4176748.0, 20.0, 20.0, 1.2);
(637215.5, 4176758.6, 19.9, 19.9, 1.2); (637237.1, 4176769.2, 20.0, 20.0, 1.2);
(637258.7, 4176779.8, 20.1, 20.1, 1.2); (637280.3, 4176790.3, 20.2, 20.2, 1.2);
(637301.9, 4176800.9, 20.3, 20.3, 1.2); (637323.5, 4176811.5, 20.3, 20.3, 1.2);
(637345.1, 4176822.1, 20.4, 20.4, 1.2); (637366.7, 4176832.7, 20.5, 20.5, 1.2);
(637388.3, 4176843.3, 20.3, 20.3, 1.2); (637409.9, 4176853.9, 20.1, 20.1, 1.2);
(637139.7, 4176749.3, 20.5, 20.5, 1.2); (637161.3, 4176759.8, 19.4, 19.4, 1.2);
(637182.9, 4176770.4, 19.7, 19.7, 1.2); (637204.5, 4176781.0, 19.2, 19.2, 1.2);
(637226.1, 4176791.6, 19.4, 19.4, 1.2); (637247.7, 4176802.2, 19.4, 19.4, 1.2);
(637269.3, 4176812.8, 19.5, 19.5, 1.2); (637290.9,

```
4176823.4,      19.6,      19.6,       1.2);
     ( 637312.5, 4176834.0,      19.7,      19.7,       1.2);         ( 637334.1,
4176844.6,      19.8,      19.8,       1.2);
     ( 637355.7, 4176855.1,      19.9,      19.9,       1.2);         ( 637377.3,
4176865.7,      19.8,      19.8,       1.2);
     ( 637398.9, 4176876.3,      19.7,      19.7,       1.2);         ( 637128.7,
4176771.7,      19.4,      19.4,       1.2);
     ( 637150.3, 4176782.3,      19.8,      19.8,       1.2);         ( 637171.9,
4176792.9,      19.6,      19.6,       1.2);
     ( 637193.5, 4176803.5,      19.3,      19.3,       1.2);         ( 637215.1,
4176814.1,      19.9,      19.9,       1.2);
     ( 637236.7, 4176824.6,      20.0,      20.0,       1.2);         ( 637258.3,
4176835.2,      20.0,      20.0,       1.2);
     ( 637279.9, 4176845.8,      20.1,      20.1,       1.2);         ( 637301.5,
4176856.4,      20.1,      20.1,       1.2);
     ( 637323.1, 4176867.0,      20.2,      20.2,       1.2);         ( 637344.7,
4176877.6,      20.3,      20.3,       1.2);
     ( 637366.3, 4176888.2,      20.3,      20.3,       1.2);         ( 637387.9,
4176898.8,      20.1,      20.1,       1.2);
     ( 637442.9, 4176842.6,      20.4,      20.4,       1.2);         ( 637465.2,
4176853.9,      20.5,      20.5,       1.2);
     ( 637487.5, 4176865.2,      20.5,      20.5,       1.2);         ( 637509.8,
4176876.5,      20.5,      20.5,       1.2);
     ( 637532.1, 4176887.8,      20.6,      20.6,       1.2);         ( 637554.4,
4176899.0,      20.4,      20.4,       1.2);
     ( 637576.7, 4176910.3,      20.2,      20.2,       1.2);         ( 637599.0,
4176921.6,      20.3,      20.3,       1.2);
     ( 637621.3, 4176932.9,      20.2,      20.2,       1.2);         ( 637643.6,
4176944.2,      20.2,      20.2,       1.2);
     ( 637665.9, 4176955.5,      20.1,      20.1,       1.2);         ( 637688.2,
4176966.8,      20.1,      20.1,       1.2);
     ( 637710.5, 4176978.1,      20.1,      20.1,       1.2);         ( 637732.8,
4176989.4,      20.2,      20.2,       1.2);
     ( 637755.1, 4177000.7,      20.2,      20.2,       1.2);         ( 637777.4,
4177012.0,      20.4,      20.4,       1.2);
     ( 637799.6, 4177023.3,      20.1,      20.1,       1.2);         ( 637821.9,
4177034.6,      20.0,      20.0,       1.2);
     ( 637844.2, 4177045.8,      20.1,      20.1,       1.2);         ( 637866.5,
4177057.1,      20.1,      20.1,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637431.6, 4176864.9, 20.1, 20.1, 1.2); (637453.9, 4176876.2, 20.2, 20.2, 1.2);
(637476.2, 4176887.5, 20.2, 20.2, 1.2); (637498.5, 4176898.8, 20.3, 20.3, 1.2);
(637520.8, 4176910.1, 20.3, 20.3, 1.2); (637543.1, 4176921.3, 20.2, 20.2, 1.2);
(637565.4, 4176932.6, 20.3, 20.3, 1.2); (637587.7, 4176943.9, 20.3, 20.3, 1.2);
(637610.0, 4176955.2, 20.3, 20.3, 1.2); (637632.3, 4176966.5, 20.2, 20.2, 1.2);
(637654.6, 4176977.8, 20.1, 20.1, 1.2); (637676.9, 4176989.1, 20.2, 20.2, 1.2);
(637699.2, 4177000.4, 20.1, 20.1, 1.2); (637721.5, 4177011.7, 20.1, 20.1, 1.2);
(637743.8, 4177023.0, 20.0, 20.0, 1.2); (637766.1, 4177034.3, 20.1, 20.1, 1.2);
(637788.4, 4177045.6, 20.0, 20.0, 1.2); (637810.6, 4177056.9, 19.9, 19.9, 1.2);
(637832.9, 4177068.2, 20.0, 20.0, 1.2); (637855.2, 4177079.4, 20.0, 20.0, 1.2);
(637420.3, 4176887.2, 19.5, 19.5, 1.2); (637442.6, 4176898.5, 19.5, 19.5, 1.2);
(637464.9, 4176909.8, 19.6, 19.6, 1.2); (637487.2, 4176921.1, 19.6, 19.6, 1.2);
(637509.5, 4176932.4, 19.7, 19.7, 1.2); (637531.8, 4176943.7, 19.7, 19.7, 1.2);
(637554.1, 4176954.9, 19.8, 19.8, 1.2); (637576.4, 4176966.2, 19.9, 19.9, 1.2);
(637598.7, 4176977.5, 19.9, 19.9, 1.2); (637621.0, 4176988.8, 19.9, 19.9, 1.2);
(637643.3, 4177000.1, 19.8, 19.8, 1.2); (637665.6, 4177011.4, 19.8, 19.8, 1.2);
(637687.9, 4177022.7, 19.7, 19.7, 1.2); (637710.2, 4177034.0, 19.8, 19.8, 1.2);
(637732.5, 4177045.3, 19.6, 19.6, 1.2); (637754.8, 4177056.6, 20.0, 20.0, 1.2);
(637777.1, 4177067.9, 19.9, 19.9, 1.2); (637799.4, 4177079.2, 19.9, 19.9, 1.2);
(637821.7, 4177090.5, 19.9, 19.9, 1.2); (637843.9, 4177101.8, 20.0, 20.0, 1.2);
(637409.0, 4176909.5, 19.7, 19.7, 1.2); (637431.3, 4176920.8, 19.6, 19.6, 1.2);
(637453.6, 4176932.1, 20.1, 20.1, 1.2); (637475.9, 4176943.4, 20.0, 20.0, 1.2);
(637498.2, 4176954.7, 20.1, 20.1, 1.2); (637520.5, 4176966.0, 19.7, 19.7, 1.2);
(637542.8, 4176977.2, 19.9, 19.9, 1.2); (637565.1, 4176988.5, 20.1, 20.1, 1.2);
(637587.4, 4176999.8, 20.1, 20.1, 1.2); (637609.7, 4177011.1, 20.1, 20.1, 1.2);
(637632.0, 4177022.4, 20.1, 20.1, 1.2); (637654.3,

```
4177033.7,      20.1,      20.1,       1.2);
     ( 637676.6, 4177045.0,      20.0,      20.0,       1.2);         ( 637698.9,
4177056.3,      19.6,      19.6,       1.2);
     ( 637721.2, 4177067.6,      19.5,      19.5,       1.2);         ( 637743.5,
4177078.9,      19.8,      19.8,       1.2);
     ( 637765.8, 4177090.2,      20.2,      20.2,       1.2);         ( 637788.1,
4177101.5,      19.8,      19.8,       1.2);
     ( 637810.4, 4177112.8,      19.9,      19.9,       1.2);         ( 637832.7,
4177124.0,      19.9,      19.9,       1.2);
     ( 637902.3, 4177074.8,      20.2,      20.2,       1.2);         ( 637937.8,
4177092.3,      21.1,      21.1,       1.2);
     ( 637891.2, 4177097.2,      19.7,      19.7,       1.2);         ( 637926.8,
4177114.7,      20.7,      20.7,       1.2);
     ( 637880.2, 4177119.6,      19.8,      19.8,       1.2);         ( 637915.7,
4177137.1,      20.1,      20.1,       1.2);
     ( 637869.1, 4177142.0,      19.9,      19.9,       1.2);         ( 637904.7,
4177159.6,      19.9,      19.9,       1.2);
     ( 637958.2, 4177145.7,      20.1,      20.1,       1.2);         ( 637979.5,
4177156.5,      20.1,      20.1,       1.2);
     ( 638000.8, 4177167.3,      19.8,      19.8,       1.2);         ( 638022.1,
4177178.1,      19.9,      19.9,       1.2);
     ( 638043.4, 4177188.9,      20.0,      20.0,       1.2);         ( 638064.7,
4177199.8,      20.1,      20.1,       1.2);
     ( 638086.0, 4177210.6,      20.1,      20.1,       1.2);         ( 638107.3,
4177221.4,      20.0,      20.0,       1.2);
     ( 638128.6, 4177232.2,      19.9,      19.9,       1.2);         ( 638149.9,
4177243.0,      19.8,      19.8,       1.2);
     ( 638171.2, 4177253.8,      19.9,      19.9,       1.2);         ( 638192.5,
4177264.6,      20.0,      20.0,       1.2);
     ( 638213.8, 4177275.4,      20.1,      20.1,       1.2);         ( 638235.1,
4177286.2,      20.2,      20.2,       1.2);
     ( 638256.4, 4177297.0,      20.1,      20.1,       1.2);         ( 638277.8,
4177307.8,      20.0,      20.0,       1.2);
     ( 637946.9, 4177168.0,      20.0,      20.0,       1.2);         ( 637968.2,
4177178.8,      19.9,      19.9,       1.2);
     ( 637989.5, 4177189.6,      19.6,      19.6,       1.2);         ( 638010.8,
4177200.4,      20.2,      20.2,       1.2);
     ( 638032.1, 4177211.2,      20.3,      20.3,       1.2);         ( 638053.4,
4177222.0,      20.3,      20.3,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638074.7, 4177232.8, 20.4, 20.4, 1.2); (638096.0, 4177243.7, 20.3, 20.3, 1.2);
(638117.3, 4177254.5, 20.2, 20.2, 1.2); (638138.6, 4177265.3, 20.0, 20.0, 1.2);
(638159.9, 4177276.1, 20.1, 20.1, 1.2); (638181.2, 4177286.9, 20.3, 20.3, 1.2);
(638202.5, 4177297.7, 20.4, 20.4, 1.2); (638223.8, 4177308.5, 20.5, 20.5, 1.2);
(638245.1, 4177319.3, 20.5, 20.5, 1.2); (638266.4, 4177330.1, 20.2, 20.2, 1.2);
(637935.6, 4177190.3, 19.5, 19.5, 1.2); (637956.9, 4177201.1, 19.9, 19.9, 1.2);
(637978.2, 4177211.9, 19.6, 19.6, 1.2); (637999.5, 4177222.7, 19.7, 19.7, 1.2);
(638020.8, 4177233.5, 19.9, 19.9, 1.2); (638042.1, 4177244.3, 20.0, 20.0, 1.2);
(638063.4, 4177255.1, 20.1, 20.1, 1.2); (638084.7, 4177266.0, 20.1, 20.1, 1.2);
(638106.0, 4177276.8, 20.2, 20.2, 1.2); (638127.3, 4177287.6, 19.8, 19.8, 1.2);
(638148.6, 4177298.4, 19.8, 19.8, 1.2); (638169.9, 4177309.2, 20.3, 20.3, 1.2);
(638191.2, 4177320.0, 20.0, 20.0, 1.2); (638212.5, 4177330.8, 20.1, 20.1, 1.2);
(638233.8, 4177341.6, 20.2, 20.2, 1.2); (638255.1, 4177352.4, 19.8, 19.8, 1.2);
(637889.5, 4177189.3, 19.7, 19.7, 1.2); (637924.3, 4177212.6, 19.4, 19.4, 1.2);
(637945.6, 4177223.4, 19.3, 19.3, 1.2); (637966.9, 4177234.2, 19.2, 19.2, 1.2);
(637988.2, 4177245.0, 19.2, 19.2, 1.2); (638009.5, 4177255.8, 19.5, 19.5, 1.2);
(638030.8, 4177266.6, 19.6, 19.6, 1.2); (638052.1, 4177277.4, 19.7, 19.7, 1.2);
(638073.4, 4177288.2, 19.8, 19.8, 1.2); (638094.7, 4177299.1, 19.8, 19.8, 1.2);
(638116.0, 4177309.9, 19.7, 19.7, 1.2); (638137.3, 4177320.7, 19.7, 19.7, 1.2);
(638158.6, 4177331.5, 20.1, 20.1, 1.2); (638179.9, 4177342.3, 19.8, 19.8, 1.2);
(638201.2, 4177353.1, 19.9, 19.9, 1.2); (638222.5, 4177363.9, 20.1, 20.1, 1.2);
(638243.8, 4177374.7, 19.6, 19.6, 1.2); (638299.0, 4177318.5, 20.2, 20.2, 1.2);
(638320.2, 4177329.2, 20.2, 20.2, 1.2); (638341.5, 4177339.9, 19.7, 19.7, 1.2);
(638287.8, 4177340.9, 19.9, 19.9, 1.2); (638309.0, 4177351.6, 19.7, 19.7, 1.2);
(638330.2, 4177362.3, 19.4, 19.4, 1.2); (638276.5, 4177363.2, 20.0, 20.0, 1.2);
(638297.8, 4177373.9, 19.4, 19.4, 1.2); (638319.0,

```
4177384.6,      19.3,      19.3,       1.2);
     ( 638265.3, 4177385.5,      20.0,      20.0,      1.2);         ( 638286.5,
4177396.2,      19.5,      19.5,       1.2);
     ( 638307.7, 4177406.9,      19.3,      19.3,      1.2);         ( 638380.8,
4177333.5,      19.5,      19.5,       1.2);
     ( 638418.7, 4177318.6,      19.7,      19.7,      1.2);         ( 638357.4,
4177363.5,      19.3,      19.3,       1.2);
     ( 638389.9, 4177356.7,      19.4,      19.4,      1.2);         ( 638427.8,
4177341.9,      19.5,      19.5,       1.2);
     ( 638364.8, 4177386.7,      19.3,      19.3,      1.2);         ( 638399.1,
4177380.0,      19.4,      19.4,       1.2);
     ( 638436.9, 4177365.1,      19.4,      19.4,      1.2);         ( 638372.9,
4177409.9,      19.3,      19.3,       1.2);
     ( 638340.3, 4177408.4,      19.4,      19.4,      1.2);         ( 638408.2,
4177403.3,      19.3,      19.3,       1.2);
     ( 638446.1, 4177388.4,      19.2,      19.2,      1.2);         ( 638463.9,
4177349.8,      19.4,      19.4,       1.2);
     ( 638485.7, 4177360.5,      19.2,      19.2,      1.2);         ( 638474.7,
4177382.9,      19.1,      19.1,       1.2);
     ( 638463.7, 4177405.4,      18.9,      18.9,      1.2);         ( 638430.9,
4177417.1,      19.1,      19.1,       1.2);
     ( 638452.7, 4177427.8,      18.9,      18.9,      1.2);         ( 638506.4,
4177371.0,      19.0,      19.0,       1.2);
     ( 638527.4, 4177381.8,      19.0,      19.0,      1.2);         ( 638548.5,
4177392.5,      18.9,      18.9,       1.2);
     ( 638569.5, 4177403.3,      18.8,      18.8,      1.2);         ( 638590.6,
4177414.0,      18.6,      18.6,       1.2);
     ( 638611.7, 4177424.8,      18.7,      18.7,      1.2);         ( 638495.0,
4177393.3,      18.8,      18.8,       1.2);
     ( 638516.1, 4177404.0,      18.7,      18.7,      1.2);         ( 638537.1,
4177414.8,      18.6,      18.6,       1.2);
     ( 638558.2, 4177425.5,      18.5,      18.5,      1.2);         ( 638579.2,
4177436.3,      18.5,      18.5,       1.2);
     ( 638600.3, 4177447.0,      18.4,      18.4,      1.2);         ( 638504.7,
4177426.3,      18.5,      18.5,       1.2);
     ( 638525.7, 4177437.0,      18.5,      18.5,      1.2);         ( 638546.8,
4177447.8,      18.2,      18.2,       1.2);
     ( 638567.9, 4177458.6,      18.3,      18.3,      1.2);         ( 638493.3,
4177448.6,      18.4,      18.4,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638514.4, 4177459.3, 18.6, 18.6, 1.2); (638535.4, 4177470.1, 18.4, 18.4, 1.2);
(638632.3, 4177435.1, 18.8, 18.8, 1.2); (638652.8, 4177445.4, 18.9, 18.9, 1.2);
(638714.4, 4177476.3, 19.1, 19.1, 1.2); (638734.9, 4177486.6, 19.0, 19.0, 1.2);
(638621.1, 4177457.5, 18.7, 18.7, 1.2); (638723.7, 4177508.9, 19.0, 19.0, 1.2);
(638712.5, 4177531.3, 18.9, 18.9, 1.2); (638660.2, 4177533.1, 18.5, 18.5, 1.2);
(638680.7, 4177543.3, 18.6, 18.6, 1.2); (638701.2, 4177553.6, 18.8, 18.8, 1.2);
(638774.7, 4177506.1, 19.0, 19.0, 1.2); (638814.3, 4177525.5, 18.7, 18.7, 1.2);
(638854.0, 4177544.9, 18.3, 18.3, 1.2); (638893.6, 4177564.3, 18.4, 18.4, 1.2);
(638763.7, 4177528.6, 18.9, 18.9, 1.2); (638803.3, 4177548.0, 18.4, 18.4, 1.2);
(638843.0, 4177567.4, 18.2, 18.2, 1.2); (638882.6, 4177586.8, 18.0, 18.0, 1.2);
(638732.9, 4177541.3, 18.7, 18.7, 1.2); (638772.5, 4177560.7, 18.4, 18.4, 1.2);
(638812.2, 4177580.1, 18.0, 18.0, 1.2); (638851.8, 4177599.5, 17.8, 17.8, 1.2);
(638721.9, 4177563.8, 18.7, 18.7, 1.2); (638761.5, 4177583.2, 18.4, 18.4, 1.2);
(638801.2, 4177602.6, 18.1, 18.1, 1.2); (638840.8, 4177622.0, 17.6, 17.6, 1.2);
(638915.7, 4177574.8, 18.3, 18.3, 1.2); (638937.5, 4177585.2, 18.2, 18.2, 1.2);
(638959.4, 4177595.6, 18.1, 18.1, 1.2); (638981.3, 4177606.0, 17.9, 17.9, 1.2);
(638905.0, 4177597.4, 18.0, 18.0, 1.2); (638926.8, 4177607.8, 17.9, 17.9, 1.2);
(638948.7, 4177618.2, 17.8, 17.8, 1.2); (638970.5, 4177628.5, 17.8, 17.8, 1.2);
(638872.4, 4177609.6, 17.7, 17.7, 1.2); (638894.2, 4177620.0, 17.8, 17.8, 1.2);
(638916.1, 4177630.4, 17.8, 17.8, 1.2); (638937.9, 4177640.7, 17.7, 17.7, 1.2);
(638959.8, 4177651.1, 17.6, 17.6, 1.2); (638861.6, 4177632.2, 17.5, 17.5, 1.2);
(638883.5, 4177642.5, 17.7, 17.7, 1.2); (638905.4, 4177652.9, 17.7, 17.7, 1.2);
(638927.2, 4177663.3, 17.2, 17.2, 1.2); (638949.1, 4177673.7, 17.5, 17.5, 1.2);
(639019.3, 4177624.1, 17.7, 17.7, 1.2); (639057.4, 4177642.3, 17.5, 17.5, 1.2);
(639095.5, 4177660.4, 17.5, 17.5, 1.2); (639008.5, 4177646.7, 17.8, 17.8, 1.2);
(639046.6, 4177664.8, 17.7, 17.7, 1.2); (639084.7,

```
4177683.0,      17.5,      17.5,       1.2);
     ( 638997.8, 4177669.2,      17.7,      17.7,      1.2);         ( 639035.9,
4177687.4,      17.7,      17.7,       1.2);
     ( 639073.9, 4177705.6,      17.3,      17.3,      1.2);         ( 638987.0,
4177691.8,      17.5,      17.5,       1.2);
     ( 639025.1, 4177710.0,      17.6,      17.6,      1.2);         ( 639063.2,
4177728.1,      17.2,      17.2,       1.2);
     ( 639133.4, 4177679.8,      17.4,      17.4,      1.2);         ( 639172.0,
4177699.5,      17.4,      17.4,       1.2);
     ( 639122.1, 4177702.1,      17.3,      17.3,      1.2);         ( 639160.6,
4177721.8,      17.4,      17.4,       1.2);
     ( 639110.7, 4177724.4,      17.3,      17.3,      1.2);         ( 639149.2,
4177744.0,      17.3,      17.3,       1.2);
     ( 639099.3, 4177746.6,      17.2,      17.2,      1.2);         ( 639137.9,
4177766.3,      17.2,      17.2,       1.2);
     ( 639193.0, 4177710.0,      17.3,      17.3,      1.2);         ( 639213.7,
4177720.4,      17.3,      17.3,       1.2);
     ( 639234.5, 4177730.8,      17.2,      17.2,      1.2);         ( 639255.3,
4177741.2,      17.2,      17.2,       1.2);
     ( 639276.1, 4177751.6,      17.1,      17.1,      1.2);         ( 639296.9,
4177761.9,      17.1,      17.1,       1.2);
     ( 639181.8, 4177732.3,      17.3,      17.3,      1.2);         ( 639202.6,
4177742.7,      17.2,      17.2,       1.2);
     ( 639223.4, 4177753.1,      16.9,      16.9,      1.2);         ( 639244.1,
4177763.5,      16.9,      16.9,       1.2);
     ( 639264.9, 4177773.9,      17.0,      17.0,      1.2);         ( 639285.7,
4177784.3,      17.1,      17.1,       1.2);
     ( 639170.6, 4177754.7,      17.3,      17.3,      1.2);         ( 639191.4,
4177765.1,      17.2,      17.2,       1.2);
     ( 639212.2, 4177775.5,      17.0,      17.0,      1.2);         ( 639233.0,
4177785.9,      16.8,      16.8,       1.2);
     ( 639253.8, 4177796.3,      16.9,      16.9,      1.2);         ( 639274.6,
4177806.7,      16.9,      16.9,       1.2);
     ( 639159.4, 4177777.0,      17.2,      17.2,      1.2);         ( 639180.2,
4177787.4,      17.2,      17.2,       1.2);
     ( 639201.0, 4177797.8,      17.1,      17.1,      1.2);         ( 639221.8,
4177808.2,      16.7,      16.7,       1.2);
     ( 639242.6, 4177818.6,      16.8,      16.8,      1.2);         ( 639263.4,
4177829.0,      16.7,      16.7,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(639317.4, 4177772.4, 17.1, 17.1, 1.2); (639338.1, 4177782.9, 17.2, 17.2, 1.2);
(639358.7, 4177793.4, 17.2, 17.2, 1.2); (639379.4, 4177803.8, 17.2, 17.2, 1.2);
(639306.1, 4177794.7, 17.2, 17.2, 1.2); (639326.8, 4177805.1, 17.2, 17.2, 1.2);
(639347.4, 4177815.6, 17.1, 17.1, 1.2); (639368.1, 4177826.1, 17.1, 17.1, 1.2);
(639294.8, 4177816.9, 16.9, 16.9, 1.2); (639315.4, 4177827.4, 16.9, 16.9, 1.2);
(639336.1, 4177837.9, 16.9, 16.9, 1.2); (639356.7, 4177848.4, 17.0, 17.0, 1.2);
(639283.4, 4177839.2, 16.6, 16.6, 1.2); (639304.1, 4177849.7, 16.6, 16.6, 1.2);
(639324.8, 4177860.2, 16.6, 16.6, 1.2); (639345.4, 4177870.7, 16.8, 16.8, 1.2);
(639400.5, 4177815.2, 17.2, 17.2, 1.2); (639422.1, 4177826.9, 17.0, 17.0, 1.2);
(639443.8, 4177838.5, 17.0, 17.0, 1.2); (639388.7, 4177837.2, 16.9, 16.9, 1.2);
(639410.3, 4177848.9, 17.0, 17.0, 1.2); (639431.9, 4177860.5, 16.8, 16.8, 1.2);
(639376.8, 4177859.3, 16.9, 16.9, 1.2); (639398.4, 4177870.9, 16.9, 16.9, 1.2);
(639420.1, 4177882.5, 16.6, 16.6, 1.2); (639386.6, 4177892.9, 16.7, 16.7, 1.2);
(639408.2, 4177904.6, 16.6, 16.6, 1.2); (639466.2, 4177858.3, 16.8, 16.8, 1.2);
(639450.0, 4177877.3, 16.8, 16.8, 1.2); (639447.2, 4177907.8, 16.7, 16.7, 1.2);
(639431.0, 4177926.8, 16.5, 16.5, 1.2); (639484.9, 4177880.4, 16.7, 16.7, 1.2);
(639474.0, 4177910.1, 16.7, 16.7, 1.2); (639454.3, 4177945.2, 16.6, 16.6, 1.2);
(639526.1, 4177788.6, 17.9, 17.9, 1.2); (639505.1, 4177778.0, 17.8, 17.8, 1.2);
(639484.0, 4177767.3, 17.6, 17.6, 1.2); (639462.9, 4177756.7, 17.6, 17.6, 1.2);
(639441.8, 4177746.1, 17.9, 17.9, 1.2); (639420.8, 4177735.5, 17.9, 17.9, 1.2);
(639399.7, 4177724.9, 18.0, 18.0, 1.2); (639378.6, 4177714.3, 18.0, 18.0, 1.2);
(639357.6, 4177703.7, 17.9, 17.9, 1.2); (639336.5, 4177693.1, 18.1, 18.1, 1.2);
(639315.4, 4177682.5, 18.2, 18.2, 1.2); (639547.3, 4177775.2, 17.5, 17.5, 1.2);
(639516.3, 4177755.6, 18.1, 18.1, 1.2); (639495.2, 4177745.0, 17.6, 17.6, 1.2);
(639474.2, 4177734.4, 17.9, 17.9, 1.2); (639453.1, 4177723.8, 17.7, 17.7, 1.2);
(639432.0, 4177713.2, 17.6, 17.6, 1.2); (639410.9,

```
4177702.6,      17.8,      17.8,       1.2);
     ( 639389.9, 4177692.0,      18.0,      18.0,      1.2);         ( 639368.8,
4177681.4,      17.9,      17.9,       1.2);
     ( 639347.7, 4177670.8,      18.0,      18.0,      1.2);         ( 639326.6,
4177660.1,      18.0,      18.0,       1.2);
     ( 639563.5, 4177757.4,      17.7,      17.7,      1.2);         ( 639527.6,
4177733.3,      18.3,      18.3,       1.2);
     ( 639506.5, 4177722.7,      18.1,      18.1,      1.2);         ( 639485.4,
4177712.1,      17.6,      17.6,       1.2);
     ( 639464.3, 4177701.5,      17.7,      17.7,      1.2);         ( 639443.2,
4177690.9,      17.7,      17.7,       1.2);
     ( 639422.2, 4177680.2,      17.9,      17.9,      1.2);         ( 639401.1,
4177669.6,      18.0,      18.0,       1.2);
     ( 639380.0, 4177659.0,      17.9,      17.9,      1.2);         ( 639359.0,
4177648.4,      18.0,      18.0,       1.2);
     ( 639337.9, 4177637.8,      18.1,      18.1,      1.2);         ( 639573.1,
4177733.6,      17.7,      17.7,       1.2);
     ( 639538.8, 4177711.0,      18.2,      18.2,      1.2);         ( 639517.7,
4177700.4,      18.1,      18.1,       1.2);
     ( 639496.6, 4177689.8,      17.8,      17.8,      1.2);         ( 639475.6,
4177679.1,      17.9,      17.9,       1.2);
     ( 639454.5, 4177668.5,      18.0,      18.0,      1.2);         ( 639433.4,
4177657.9,      18.2,      18.2,       1.2);
     ( 639412.4, 4177647.3,      18.2,      18.2,      1.2);         ( 639391.3,
4177636.7,      18.1,      18.1,       1.2);
     ( 639370.2, 4177626.1,      18.0,      18.0,      1.2);         ( 639349.1,
4177615.5,      17.8,      17.8,       1.2);
     ( 639293.9, 4177671.3,      18.2,      18.2,      1.2);         ( 639272.1,
4177660.0,      18.1,      18.1,       1.2);
     ( 639250.3, 4177648.8,      18.1,      18.1,      1.2);         ( 639228.6,
4177637.5,      18.1,      18.1,       1.2);
     ( 639206.8, 4177626.2,      18.2,      18.2,      1.2);         ( 639185.0,
4177614.9,      18.2,      18.2,       1.2);
     ( 639163.2, 4177603.7,      18.2,      18.2,      1.2);         ( 639141.5,
4177592.4,      18.3,      18.3,       1.2);
     ( 639119.7, 4177581.1,      18.3,      18.3,      1.2);         ( 639097.9,
4177569.8,      18.5,      18.5,       1.2);
     ( 639076.1, 4177558.6,      18.5,      18.5,      1.2);         ( 639305.4,
4177649.1,      18.1,      18.1,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(639283.6, 4177637.8, 18.1, 18.1, 1.2); (639261.8, 4177626.6, 18.1, 18.1, 1.2);
(639240.1, 4177615.3, 18.1, 18.1, 1.2); (639218.3, 4177604.0, 18.2, 18.2, 1.2);
(639196.5, 4177592.8, 18.2, 18.2, 1.2); (639174.7, 4177581.5, 18.2, 18.2, 1.2);
(639153.0, 4177570.2, 18.2, 18.2, 1.2); (639131.2, 4177558.9, 18.3, 18.3, 1.2);
(639109.4, 4177547.6, 18.4, 18.4, 1.2); (639087.6, 4177536.4, 18.4, 18.4, 1.2);
(639316.9, 4177626.9, 18.0, 18.0, 1.2); (639295.1, 4177615.6, 17.9, 17.9, 1.2);
(639273.3, 4177604.4, 18.1, 18.1, 1.2); (639251.5, 4177593.1, 18.2, 18.2, 1.2);
(639229.8, 4177581.8, 18.2, 18.2, 1.2); (639208.0, 4177570.5, 18.2, 18.2, 1.2);
(639186.2, 4177559.3, 18.3, 18.3, 1.2); (639164.4, 4177548.0, 18.3, 18.3, 1.2);
(639142.7, 4177536.7, 18.4, 18.4, 1.2); (639120.9, 4177525.4, 18.4, 18.4, 1.2);
(639099.1, 4177514.2, 18.5, 18.5, 1.2); (639328.4, 4177604.7, 17.8, 17.8, 1.2);
(639306.6, 4177593.4, 18.0, 18.0, 1.2); (639284.8, 4177582.2, 17.9, 17.9, 1.2);
(639263.0, 4177570.9, 17.9, 17.9, 1.2); (639241.3, 4177559.6, 18.1, 18.1, 1.2);
(639219.5, 4177548.3, 18.1, 18.1, 1.2); (639197.7, 4177537.1, 18.2, 18.2, 1.2);
(639175.9, 4177525.8, 18.3, 18.3, 1.2); (639154.2, 4177514.5, 18.4, 18.4, 1.2);
(639132.4, 4177503.2, 18.5, 18.5, 1.2); (639110.6, 4177492.0, 18.8, 18.8, 1.2);
(639038.4, 4177538.5, 18.6, 18.6, 1.2); (639000.4, 4177518.2, 18.7, 18.7, 1.2);
(638962.5, 4177498.0, 18.8, 18.8, 1.2); (639050.2, 4177516.4, 18.6, 18.6, 1.2);
(639012.2, 4177496.1, 18.7, 18.7, 1.2); (638974.2, 4177475.9, 18.9, 18.9, 1.2);
(639062.0, 4177494.3, 18.6, 18.6, 1.2); (639024.0, 4177474.1, 18.8, 18.8, 1.2);
(638986.0, 4177453.8, 18.9, 18.9, 1.2); (639073.7, 4177472.3, 18.8, 18.8, 1.2);
(639035.7, 4177452.0, 18.9, 18.9, 1.2); (638997.8, 4177431.8, 19.2, 19.2, 1.2);
(638920.9, 4177476.7, 18.8, 18.8, 1.2); (638899.0, 4177465.9, 18.9, 18.9, 1.2);
(638877.2, 4177455.0, 18.9, 18.9, 1.2); (638855.3, 4177444.2, 18.9, 18.9, 1.2);
(638833.4, 4177433.4, 19.0, 19.0, 1.2); (638811.5, 4177422.6, 19.1, 19.1, 1.2);
(638789.6, 4177411.8, 19.2, 19.2, 1.2); (638767.7,

```
4177401.0,      19.2,      19.2,       1.2);
     ( 638745.9, 4177390.2,      19.2,      19.2,       1.2);         ( 638724.0,
4177379.4,      19.1,      19.1,       1.2);
     ( 638953.9, 4177465.1,      18.8,      18.8,       1.2);         ( 638932.0,
4177454.2,      19.0,      19.0,       1.2);
     ( 638910.1, 4177443.4,      19.1,      19.1,       1.2);         ( 638888.2,
4177432.6,      19.2,      19.2,       1.2);
     ( 638866.3, 4177421.8,      19.2,      19.2,       1.2);         ( 638844.5,
4177411.0,      19.3,      19.3,       1.2);
     ( 638822.6, 4177400.2,      19.2,      19.2,       1.2);         ( 638800.7,
4177389.4,      19.2,      19.2,       1.2);
     ( 638778.8, 4177378.6,      19.1,      19.1,       1.2);         ( 638756.9,
4177367.8,      19.2,      19.2,       1.2);
     ( 638735.1, 4177357.0,      19.1,      19.1,       1.2);         ( 638964.9,
4177442.6,      19.0,      19.0,       1.2);
     ( 638943.1, 4177431.8,      19.2,      19.2,       1.2);         ( 638921.2,
4177421.0,      19.2,      19.2,       1.2);
     ( 638899.3, 4177410.2,      19.2,      19.2,       1.2);         ( 638877.4,
4177399.4,      19.3,      19.3,       1.2);
     ( 638855.5, 4177388.6,      19.3,      19.3,       1.2);         ( 638833.7,
4177377.8,      19.3,      19.3,       1.2);
     ( 638811.8, 4177367.0,      19.3,      19.3,       1.2);         ( 638789.9,
4177356.2,      19.1,      19.1,       1.2);
     ( 638768.0, 4177345.4,      19.3,      19.3,       1.2);         ( 638746.1,
4177334.6,      19.2,      19.2,       1.2);
     ( 638976.0, 4177420.2,      19.2,      19.2,       1.2);         ( 638954.1,
4177409.4,      19.3,      19.3,       1.2);
     ( 638932.2, 4177398.6,      19.3,      19.3,       1.2);         ( 638910.4,
4177387.8,      19.3,      19.3,       1.2);
     ( 638888.5, 4177377.0,      19.3,      19.3,       1.2);         ( 638866.6,
4177366.2,      19.3,      19.3,       1.2);
     ( 638844.7, 4177355.4,      19.2,      19.2,       1.2);         ( 638822.8,
4177344.6,      19.3,      19.3,       1.2);
     ( 638801.0, 4177333.8,      19.1,      19.1,       1.2);         ( 638779.1,
4177323.0,      18.9,      18.9,       1.2);
     ( 638757.2, 4177312.1,      19.4,      19.4,       1.2);         ( 638702.6,
4177369.1,      19.1,      19.1,       1.2);
     ( 638681.4, 4177358.8,      19.2,      19.2,       1.2);         ( 638660.2,
4177348.6,      19.3,      19.3,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638639.0, 4177338.4, 19.4, 19.4, 1.2); (638617.8, 4177328.2, 19.5, 19.5, 1.2);
(638596.6, 4177317.9, 19.6, 19.6, 1.2); (638575.4, 4177307.7, 19.9, 19.9, 1.2);
(638554.2, 4177297.5, 20.0, 20.0, 1.2); (638533.0, 4177287.3, 20.1, 20.1, 1.2);
(638713.4, 4177346.5, 19.2, 19.2, 1.2); (638692.2, 4177336.3, 19.0, 19.0, 1.2);
(638671.0, 4177326.1, 19.2, 19.2, 1.2); (638649.8, 4177315.9, 19.5, 19.5, 1.2);
(638628.6, 4177305.6, 19.6, 19.6, 1.2); (638607.4, 4177295.4, 19.8, 19.8, 1.2);
(638586.2, 4177285.2, 20.0, 20.0, 1.2); (638565.0, 4177275.0, 20.1, 20.1, 1.2);
(638543.8, 4177264.8, 20.1, 20.1, 1.2); (638724.3, 4177324.0, 19.2, 19.2, 1.2);
(638703.1, 4177313.8, 19.2, 19.2, 1.2); (638681.9, 4177303.6, 19.4, 19.4, 1.2);
(638660.7, 4177293.3, 19.8, 19.8, 1.2); (638639.5, 4177283.1, 20.0, 20.0, 1.2);
(638618.3, 4177272.9, 20.0, 20.0, 1.2); (638597.1, 4177262.7, 20.3, 20.3, 1.2);
(638575.9, 4177252.5, 20.2, 20.2, 1.2); (638554.7, 4177242.2, 20.4, 20.4, 1.2);
(638735.2, 4177301.5, 19.4, 19.4, 1.2); (638714.0, 4177291.3, 19.4, 19.4, 1.2);
(638692.7, 4177281.1, 19.6, 19.6, 1.2); (638671.5, 4177270.8, 19.8, 19.8, 1.2);
(638650.3, 4177260.6, 20.0, 20.0, 1.2); (638629.1, 4177250.4, 20.2, 20.2, 1.2);
(638607.9, 4177240.2, 20.2, 20.2, 1.2); (638586.7, 4177229.9, 20.2, 20.2, 1.2);
(638565.5, 4177219.7, 20.2, 20.2, 1.2); (638510.9, 4177276.3, 20.0, 20.0, 1.2);
(638488.7, 4177265.3, 19.9, 19.9, 1.2); (638466.4, 4177254.2, 20.0, 20.0, 1.2);
(638444.1, 4177243.2, 20.1, 20.1, 1.2); (638421.8, 4177232.1, 20.2, 20.2, 1.2);
(638399.6, 4177221.1, 20.2, 20.2, 1.2); (638377.3, 4177210.0, 20.3, 20.3, 1.2);
(638522.1, 4177253.9, 20.0, 20.0, 1.2); (638499.8, 4177242.9, 20.0, 20.0, 1.2);
(638477.5, 4177231.8, 20.1, 20.1, 1.2); (638455.2, 4177220.8, 20.1, 20.1, 1.2);
(638433.0, 4177209.8, 20.2, 20.2, 1.2); (638410.7, 4177198.7, 20.2, 20.2, 1.2);
(638388.4, 4177187.7, 20.2, 20.2, 1.2); (638533.2, 4177231.6, 20.1, 20.1, 1.2);
(638510.9, 4177220.5, 20.1, 20.1, 1.2); (638488.6, 4177209.5, 20.3, 20.3, 1.2);
(638466.3, 4177198.4, 20.3, 20.3, 1.2); (638444.1,

```
4177187.4,      20.4,      20.4,       1.2);
     ( 638421.8, 4177176.3,      20.4,      20.4,       1.2);         ( 638399.5,
4177165.3,      20.2,      20.2,       1.2);
     ( 638544.3, 4177209.2,      20.2,      20.2,       1.2);         ( 638522.0,
4177198.1,      20.3,      20.3,       1.2);
     ( 638499.7, 4177187.1,      20.3,      20.3,       1.2);         ( 638477.4,
4177176.0,      20.2,      20.2,       1.2);
     ( 638455.2, 4177165.0,      20.2,      20.2,       1.2);         ( 638432.9,
4177153.9,      20.2,      20.2,       1.2);
     ( 638410.6, 4177142.9,      20.2,      20.2,       1.2);         ( 636319.0,
4176278.4,      21.1,      21.1,       1.2);
     ( 636307.3, 4176300.4,      20.8,      20.8,       1.2);         ( 636295.6,
4176323.8,      20.3,      20.3,       1.2);
     ( 636283.8, 4176345.8,      20.2,      20.2,       1.2);         ( 636304.4,
4176273.2,      20.6,      20.6,       1.2);
     ( 636296.3, 4176295.2,      20.6,      20.6,       1.2);         ( 636281.6,
4176319.4,      20.2,      20.2,       1.2);
     ( 636267.7, 4176337.7,      19.5,      19.5,       1.2);         ( 638522.1,
4177309.8,      19.8,      19.8,       1.2);
     ( 638343.9, 4177221.4,      20.4,      20.4,       1.2);         ( 638056.7,
4177083.7,      21.2,      21.2,       1.2);
     ( 637703.4, 4176902.8,      20.4,      20.4,       1.2);         ( 637321.8,
4176712.7,      20.8,      20.8,       1.2);
     ( 636866.1, 4176483.9,      20.4,      20.4,       1.2);         ( 636327.4,
4176212.2,      21.7,      21.7,       1.2);
     ( 636323.1, 4176252.4,      21.5,      21.5,       1.2);         ( 637151.1,
4176671.3,      20.8,      22.0,       1.2);
     ( 637431.9, 4176809.0,      20.9,      20.9,       1.2);         ( 637877.8,
4177034.8,      20.3,      20.3,       1.2);
     ( 637948.9, 4177069.9,      21.1,      21.1,       1.2);         ( 637948.2,
4177112.6,      20.5,      20.5,       1.2);
     ( 638289.1, 4177285.5,      20.0,      20.0,       1.2);         ( 638352.7,
4177317.6,      19.7,      19.7,       1.2);
     ( 638409.6, 4177295.3,      20.0,      20.0,       1.2);         ( 638496.7,
4177338.0,      19.6,      19.6,       1.2);
     ( 638623.0, 4177402.5,      19.1,      19.1,       1.2);         ( 638746.1,
4177464.3,      19.0,      19.0,       1.2);
     ( 638904.6, 4177541.8,      18.6,      18.6,       1.2);         ( 638992.0,
4177583.4,      18.7,      18.7,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(639106.2, 4177637.9, 18.5, 18.5, 1.2); (639183.3, 4177677.2, 18.2, 18.2, 1.2);
(639308.1, 4177739.6, 17.9, 17.9, 1.2); (639390.7, 4177781.6, 17.6, 17.6, 1.2);
(639455.6, 4177816.5, 17.3, 17.3, 1.2); (639495.8, 4177850.6, 17.2, 17.2, 1.2);
(639516.4, 4177883.6, 17.0, 17.0, 1.2); (639514.9, 4177810.9, 17.7, 17.7, 1.2);
(639304.2, 4177704.8, 18.1, 18.1, 1.2); (639064.6, 4177580.8, 18.6, 18.6, 1.2);
(638931.7, 4177509.9, 18.8, 18.8, 1.2); (638712.9, 4177401.8, 19.3, 19.3, 1.2);
(638707.0, 4177532.3, 18.8, 18.8, 1.2); (638710.8, 4177448.3, 19.2, 19.2, 1.2);
(638438.2, 4177485.9, 18.9, 18.9, 1.2); (638454.1, 4177593.3, 18.8, 18.8, 1.2);
(638479.3, 4177575.1, 18.6, 18.6, 1.2); (638510.5, 4177557.3, 18.5, 18.5, 1.2);
(638544.3, 4177546.8, 18.4, 18.4, 1.2); (638587.9, 4177538.5, 18.4, 18.4, 1.2);
(638638.5, 4177531.9, 18.5, 18.5, 1.2); (638499.8, 4177298.7, 19.9, 19.9, 1.2);
(638477.6, 4177287.7, 19.9, 19.9, 1.2); (638455.3, 4177276.6, 20.0, 20.0, 1.2);
(638433.0, 4177265.6, 20.1, 20.1, 1.2); (638410.7, 4177254.5, 20.2, 20.2, 1.2);
(638388.5, 4177243.5, 20.3, 20.3, 1.2); (638366.2, 4177232.4, 20.3, 20.3, 1.2);
(638321.8, 4177210.8, 20.4, 20.4, 1.2); (638299.7, 4177200.2, 20.5, 20.5, 1.2);
(638277.6, 4177189.6, 20.6, 20.6, 1.2); (638255.5, 4177179.0, 20.7, 20.7, 1.2);
(638233.5, 4177168.4, 20.8, 20.8, 1.2); (638211.4, 4177157.8, 20.8, 20.8, 1.2);
(638189.3, 4177147.2, 20.9, 20.9, 1.2); (638167.2, 4177136.7, 20.9, 20.9, 1.2);
(638145.1, 4177126.1, 20.9, 20.9, 1.2); (638123.0, 4177115.5, 21.0, 21.0, 1.2);
(638100.9, 4177104.9, 21.0, 21.0, 1.2); (638078.8, 4177094.3, 21.1, 21.1, 1.2);
(638034.7, 4177072.4, 21.2, 21.2, 1.2); (638012.6, 4177061.1, 21.2, 21.2, 1.2);
(637990.5, 4177049.8, 21.2, 21.2, 1.2); (637968.4, 4177038.5, 21.3, 21.3, 1.2);
(637946.3, 4177027.2, 21.7, 21.7, 1.2); (637924.2, 4177015.9, 21.8, 21.8, 1.2);
(637902.1, 4177004.6, 20.9, 20.9, 1.2); (637880.0, 4176993.3, 20.8, 20.8, 1.2);
(637858.0, 4176982.0, 20.9, 20.9, 1.2); (637835.9, 4176970.7, 20.7, 20.7, 1.2);
(637813.8, 4176959.4, 20.6, 20.6, 1.2); (637791.7,

```
4176948.1,      20.6,      20.6,       1.2);
     ( 637769.6, 4176936.8,      20.6,      20.6,       1.2);         ( 637747.5,
4176925.5,      20.5,      20.5,       1.2);
     ( 637725.4, 4176914.2,      20.4,      20.4,       1.2);         ( 637682.2,
4176892.3,      20.4,      20.4,       1.2);
     ( 637661.0, 4176881.7,      20.4,      20.4,       1.2);         ( 637639.8,
4176871.2,      20.4,      20.4,       1.2);
     ( 637618.6, 4176860.6,      20.4,      20.4,       1.2);         ( 637597.4,
4176850.0,      20.5,      20.5,       1.2);
     ( 637576.2, 4176839.5,      20.6,      20.6,       1.2);         ( 637555.0,
4176828.9,      20.7,      20.7,       1.2);
     ( 637533.8, 4176818.3,      20.8,      20.8,       1.2);         ( 637512.6,
4176807.8,      20.9,      20.9,       1.2);
     ( 637491.4, 4176797.2,      21.0,      21.0,       1.2);         ( 637470.2,
4176786.6,      21.1,      21.1,       1.2);
     ( 637449.0, 4176776.1,      21.3,      21.3,       1.2);         ( 637427.8,
4176765.5,      21.4,      21.4,       1.2);
     ( 637406.6, 4176754.9,      21.6,      21.6,       1.2);         ( 637385.4,
4176744.4,      21.4,      21.4,       1.2);
     ( 637364.2, 4176733.8,      21.2,      21.2,       1.2);         ( 637343.0,
4176723.3,      20.9,      20.9,       1.2);
     ( 637300.1, 4176701.8,      20.8,      20.8,       1.2);         ( 637278.4,
4176690.9,      20.8,      20.8,       1.2);
     ( 637256.7, 4176680.0,      20.8,      20.8,       1.2);         ( 637235.0,
4176669.1,      20.8,      20.8,       1.2);
     ( 637213.3, 4176658.2,      20.5,      22.3,       1.2);         ( 637191.6,
4176647.3,      22.4,      22.4,       1.2);
     ( 637169.9, 4176636.4,      21.5,      21.5,       1.2);         ( 637148.2,
4176625.5,      20.9,      20.9,       1.2);
     ( 637126.5, 4176614.6,      20.6,      20.6,       1.2);         ( 637104.8,
4176603.7,      20.2,      20.2,       1.2);
     ( 637083.1, 4176592.8,      20.2,      20.2,       1.2);         ( 637061.4,
4176581.9,      20.3,      20.3,       1.2);
     ( 637039.7, 4176571.0,      20.3,      20.3,       1.2);         ( 637018.0,
4176560.1,      20.4,      20.4,       1.2);
     ( 636996.3, 4176549.3,      20.4,      20.4,       1.2);         ( 636974.6,
4176538.4,      20.5,      20.5,       1.2);
     ( 636952.9, 4176527.5,      20.4,      20.4,       1.2);         ( 636931.2,
4176516.6,      20.4,      20.4,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(636909.5, 4176505.7, 20.4, 20.4, 1.2); (636887.8, 4176494.8, 20.4, 20.4, 1.2);
(636844.5, 4176473.0, 20.4, 20.4, 1.2); (636823.0, 4176462.1, 20.5, 20.5, 1.2);
(636801.4, 4176451.3, 20.5, 20.5, 1.2); (636779.9, 4176440.4, 20.5, 20.5, 1.2);
(636758.3, 4176429.5, 20.6, 20.6, 1.2); (636736.8, 4176418.7, 20.5, 20.5, 1.2);
(636715.2, 4176407.8, 20.6, 20.6, 1.2); (636693.7, 4176397.0, 20.5, 20.5, 1.2);
(636672.1, 4176386.1, 20.5, 20.5, 1.2); (636650.6, 4176375.2, 20.5, 20.5, 1.2);
(636629.0, 4176364.4, 20.5, 20.5, 1.2); (636607.5, 4176353.5, 20.5, 20.5, 1.2);
(636585.9, 4176342.6, 20.5, 20.5, 1.2); (636564.4, 4176331.8, 20.5, 20.5, 1.2);
(636542.9, 4176320.9, 20.6, 20.6, 1.2); (636521.3, 4176310.0, 20.6, 20.6, 1.2);
(636499.8, 4176299.2, 20.6, 20.6, 1.2); (636478.2, 4176288.3, 20.6, 20.6, 1.2);
(636456.7, 4176277.4, 20.7, 20.7, 1.2); (636435.1, 4176266.6, 20.7, 20.7, 1.2);
(636413.6, 4176255.7, 20.8, 20.8, 1.2); (636392.0, 4176244.8, 20.8, 20.8, 1.2);
(636370.5, 4176234.0, 20.9, 20.9, 1.2); (636348.9, 4176223.1, 21.5, 21.5, 1.2);
(636325.2, 4176232.3, 21.8, 21.8, 1.2); (636344.9, 4176263.5, 21.3, 21.3, 1.2);
(636366.6, 4176274.5, 20.7, 20.7, 1.2); (636388.4, 4176285.5, 20.5, 20.5, 1.2);
(636410.2, 4176296.5, 20.5, 20.5, 1.2); (636432.0, 4176307.5, 20.4, 20.4, 1.2);
(636453.8, 4176318.6, 20.4, 20.4, 1.2); (636475.6, 4176329.6, 20.3, 20.3, 1.2);
(636497.4, 4176340.6, 20.4, 20.4, 1.2); (636519.2, 4176351.6, 20.4, 20.4, 1.2);
(636541.0, 4176362.7, 20.4, 20.4, 1.2); (636562.8, 4176373.7, 20.3, 20.3, 1.2);
(636584.6, 4176384.7, 20.4, 20.4, 1.2); (636606.3, 4176395.7, 20.4, 20.4, 1.2);
(636628.1, 4176406.8, 20.4, 20.4, 1.2); (636649.9, 4176417.8, 20.3, 20.3, 1.2);
(636671.7, 4176428.8, 20.4, 20.4, 1.2); (636693.5, 4176439.8, 20.3, 20.3, 1.2);
(636715.3, 4176450.9, 20.2, 20.2, 1.2); (636737.1, 4176461.9, 20.1, 20.1, 1.2);
(636758.9, 4176472.9, 19.9, 19.9, 1.2); (636780.7, 4176483.9, 19.9, 19.9, 1.2);
(636802.5, 4176494.9, 20.2, 20.2, 1.2); (636824.2, 4176506.0, 20.1, 20.1, 1.2);
(636846.0, 4176517.0, 20.1, 20.1, 1.2); (636867.8,

```
4176528.0,      20.2,      20.2,       1.2);
     ( 636889.6, 4176539.0,      20.2,      20.2,       1.2);         ( 636911.4,
4176550.1,      20.2,      20.2,       1.2);
     ( 636933.2, 4176561.1,      20.2,      20.2,       1.2);         ( 636955.0,
4176572.1,      20.3,      20.3,       1.2);
     ( 636976.8, 4176583.1,      20.2,      20.2,       1.2);         ( 636998.6,
4176594.2,      20.6,      20.6,       1.2);
     ( 637020.4, 4176605.2,      20.8,      20.8,       1.2);         ( 637042.2,
4176616.2,      20.6,      20.6,       1.2);
     ( 637064.0, 4176627.2,      20.7,      20.7,       1.2);         ( 637085.8,
4176638.2,      20.6,      20.6,       1.2);
     ( 637107.5, 4176649.3,      20.6,      20.6,       1.2);         ( 637129.3,
4176660.3,      20.7,      20.7,       1.2);
     ( 637172.7, 4176681.9,      22.2,      22.2,       1.2);         ( 637194.3,
4176692.5,      19.6,      22.4,       1.2);
     ( 637215.9, 4176703.1,      20.1,      20.1,       1.2);         ( 637237.5,
4176713.7,      20.4,      20.4,       1.2);
     ( 637259.1, 4176724.3,      20.6,      20.6,       1.2);         ( 637280.7,
4176734.9,      21.2,      21.2,       1.2);
     ( 637302.3, 4176745.4,      21.3,      21.3,       1.2);         ( 637323.9,
4176756.0,      21.3,      21.3,       1.2);
     ( 637345.5, 4176766.6,      20.7,      20.7,       1.2);         ( 637367.1,
4176777.2,      20.8,      20.8,       1.2);
     ( 637388.7, 4176787.8,      20.8,      20.8,       1.2);         ( 637410.3,
4176798.4,      20.9,      20.9,       1.2);
     ( 637454.2, 4176820.3,      20.8,      20.8,       1.2);         ( 637476.5,
4176831.6,      20.9,      20.9,       1.2);
     ( 637498.8, 4176842.9,      20.7,      20.7,       1.2);         ( 637521.1,
4176854.2,      20.6,      20.6,       1.2);
     ( 637543.4, 4176865.5,      20.6,      20.6,       1.2);         ( 637565.7,
4176876.8,      20.5,      20.5,       1.2);
     ( 637588.0, 4176888.0,      20.6,      20.6,       1.2);         ( 637610.3,
4176899.3,      20.6,      20.6,       1.2);
     ( 637632.6, 4176910.6,      20.4,      20.4,       1.2);         ( 637654.9,
4176921.9,      20.4,      20.4,       1.2);
     ( 637677.2, 4176933.2,      20.3,      20.3,       1.2);         ( 637699.5,
4176944.5,      20.4,      20.4,       1.2);
     ( 637721.8, 4176955.8,      20.4,      20.4,       1.2);         ( 637744.1,
4176967.1,      20.3,      20.3,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637766.3, 4176978.4, 20.4, 20.4, 1.2); (637788.6, 4176989.7, 20.4, 20.4, 1.2);
(637810.9, 4177001.0, 20.4, 20.4, 1.2); (637833.2, 4177012.3, 20.4, 20.4, 1.2);
(637855.5, 4177023.5, 20.4, 20.4, 1.2); (637895.6, 4177043.6, 20.4, 20.4, 1.2);
(637913.4, 4177052.4, 20.9, 20.9, 1.2); (637931.1, 4177061.1, 21.7, 21.7, 1.2);
(637948.6, 4177091.2, 20.7, 20.7, 1.2); (637969.5, 4177123.4, 20.1, 20.1, 1.2);
(637990.8, 4177134.2, 20.0, 20.0, 1.2); (638012.1, 4177145.0, 20.0, 20.0, 1.2);
(638033.4, 4177155.8, 20.1, 20.1, 1.2); (638054.7, 4177166.6, 20.1, 20.1, 1.2);
(638076.0, 4177177.5, 20.1, 20.1, 1.2); (638097.3, 4177188.3, 20.1, 20.1, 1.2);
(638118.6, 4177199.1, 20.1, 20.1, 1.2); (638139.9, 4177209.9, 20.1, 20.1, 1.2);
(638161.2, 4177220.7, 20.0, 20.0, 1.2); (638182.5, 4177231.5, 20.1, 20.1, 1.2);
(638203.9, 4177242.3, 20.1, 20.1, 1.2); (638225.2, 4177253.1, 20.1, 20.1, 1.2);
(638246.5, 4177263.9, 20.1, 20.1, 1.2); (638267.8, 4177274.7, 20.0, 20.0, 1.2);
(638310.3, 4177296.2, 20.0, 20.0, 1.2); (638331.5, 4177306.9, 20.0, 20.0, 1.2);
(638371.7, 4177310.2, 19.6, 19.6, 1.2); (638390.6, 4177302.8, 19.8, 19.8, 1.2);
(638431.3, 4177306.0, 19.9, 19.9, 1.2); (638453.1, 4177316.7, 19.9, 19.9, 1.2);
(638474.9, 4177327.3, 19.8, 19.8, 1.2); (638517.7, 4177348.8, 19.4, 19.4, 1.2);
(638538.8, 4177359.5, 19.4, 19.4, 1.2); (638559.9, 4177370.3, 19.3, 19.3, 1.2);
(638580.9, 4177381.0, 19.2, 19.2, 1.2); (638602.0, 4177391.8, 19.1, 19.1, 1.2);
(638643.5, 4177412.8, 19.0, 19.0, 1.2); (638664.0, 4177423.1, 19.1, 19.1, 1.2);
(638684.6, 4177433.4, 19.1, 19.1, 1.2); (638705.1, 4177443.7, 19.1, 19.1, 1.2);
(638725.6, 4177454.0, 19.3, 19.3, 1.2); (638765.9, 4177474.0, 18.8, 18.8, 1.2);
(638785.7, 4177483.7, 18.8, 18.8, 1.2); (638805.5, 4177493.3, 18.6, 18.6, 1.2);
(638825.3, 4177503.0, 18.7, 18.7, 1.2); (638845.1, 4177512.8, 18.7, 18.7, 1.2);
(638864.9, 4177522.4, 18.7, 18.7, 1.2); (638884.8, 4177532.1, 18.7, 18.7, 1.2);
(638926.4, 4177552.2, 18.6, 18.6, 1.2); (638948.3, 4177562.6, 18.6, 18.6, 1.2);
(638970.1, 4177573.0, 18.7, 18.7, 1.2); (639011.0,

```
4177592.5,      18.6,      18.6,       1.2);
     ( 639030.1, 4177601.5,      18.6,      18.6,       1.2);         ( 639049.1,
4177610.6,      18.6,      18.6,       1.2);
     ( 639068.1, 4177619.7,      18.5,      18.5,       1.2);         ( 639087.2,
4177628.8,      18.5,      18.5,       1.2);
     ( 639125.5, 4177647.7,      18.4,      18.4,       1.2);         ( 639144.8,
4177657.5,      18.3,      18.3,       1.2);
     ( 639164.1, 4177667.4,      18.3,      18.3,       1.2);         ( 639204.1,
4177687.6,      18.2,      18.2,       1.2);
     ( 639224.9, 4177698.0,      18.1,      18.1,       1.2);         ( 639245.7,
4177708.4,      18.1,      18.1,       1.2);
     ( 639266.5, 4177718.8,      18.0,      18.0,       1.2);         ( 639287.3,
4177729.2,      17.9,      17.9,       1.2);
     ( 639328.7, 4177750.1,      17.8,      17.8,       1.2);         ( 639349.4,
4177760.6,      17.7,      17.7,       1.2);
     ( 639370.1, 4177771.1,      17.6,      17.6,       1.2);         ( 639412.3,
4177793.2,      17.5,      17.5,       1.2);
     ( 639434.0, 4177804.9,      17.3,      17.3,       1.2);         ( 639469.0,
4177827.9,      17.1,      17.1,       1.2);
     ( 639482.4, 4177839.2,      17.0,      17.0,       1.2);         ( 639506.1,
4177867.1,      17.1,      17.1,       1.2);
     ( 639515.9, 4177859.4,      17.4,      17.4,       1.2);         ( 639515.4,
4177835.1,      17.7,      17.7,       1.2);
     ( 639493.8, 4177800.3,      17.7,      17.7,       1.2);         ( 639472.8,
4177789.7,      17.6,      17.6,       1.2);
     ( 639451.7, 4177779.1,      17.4,      17.4,       1.2);         ( 639430.6,
4177768.5,      17.8,      17.8,       1.2);
     ( 639409.5, 4177757.8,      17.8,      17.8,       1.2);         ( 639388.5,
4177747.2,      17.9,      17.9,       1.2);
     ( 639367.4, 4177736.6,      17.9,      17.9,       1.2);         ( 639346.3,
4177726.0,      17.9,      17.9,       1.2);
     ( 639325.2, 4177715.4,      18.1,      18.1,       1.2);         ( 639282.4,
4177693.5,      18.1,      18.1,       1.2);
     ( 639260.6, 4177682.2,      18.1,      18.1,       1.2);         ( 639238.8,
4177671.0,      18.2,      18.2,       1.2);
     ( 639217.1, 4177659.7,      18.3,      18.3,       1.2);         ( 639195.3,
4177648.4,      18.4,      18.4,       1.2);
     ( 639173.5, 4177637.1,      18.4,      18.4,       1.2);         ( 639151.7,
4177625.9,      18.4,      18.4,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(639130.0, 4177614.6, 18.5, 18.5, 1.2); (639108.2, 4177603.3, 18.5, 18.5, 1.2);
(639086.4, 4177592.0, 18.6, 18.6, 1.2); (639045.6, 4177570.6, 18.6, 18.6, 1.2);
(639026.7, 4177560.5, 18.5, 18.5, 1.2); (639007.7, 4177550.4, 18.6, 18.6, 1.2);
(638988.7, 4177540.3, 18.7, 18.7, 1.2); (638969.7, 4177530.1, 18.8, 18.8, 1.2);
(638950.7, 4177520.0, 18.7, 18.7, 1.2); (638909.8, 4177499.1, 18.8, 18.8, 1.2);
(638888.0, 4177488.3, 18.8, 18.8, 1.2); (638866.1, 4177477.5, 18.9, 18.9, 1.2);
(638844.2, 4177466.7, 18.9, 18.9, 1.2); (638822.3, 4177455.8, 19.0, 19.0, 1.2);
(638800.4, 4177445.0, 19.1, 19.1, 1.2); (638778.6, 4177434.2, 19.2, 19.2, 1.2);
(638756.7, 4177423.4, 19.2, 19.2, 1.2); (638734.8, 4177412.6, 19.3, 19.3, 1.2);
(638691.7, 4177391.6, 19.4, 19.4, 1.2); (638670.5, 4177381.4, 19.4, 19.4, 1.2);
(638649.3, 4177371.1, 19.3, 19.3, 1.2); (638628.1, 4177360.9, 19.3, 19.3, 1.2);
(638606.9, 4177350.7, 19.4, 19.4, 1.2); (638585.7, 4177340.5, 19.4, 19.4, 1.2);
(638564.5, 4177330.2, 19.6, 19.6, 1.2); (638543.3, 4177320.0, 19.7, 19.7, 1.2);

```
 *** MODELOPTs:    NonDFAULT  CONC  ELEV  FLGPOL  FASTAREA  URBAN  ADJ_U*

                                            *** METEOROLOGICAL DAYS SELECTED FOR
PROCESSING ***
                                                               (1=YES; 0=NO)

            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1

                NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS
INCLUDED IN THE DATA FILE.



                                  *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED
CATEGORIES ***
                                                            (METERS/SEC)

                                                 1.54,   3.09,   5.14,   8.23,  10.80,
```

 *** MODELOPTs:

 *** Message Summary : AERMOD Model Execution ***

  --------- Summary of Total Messages --------

 A Total of   0 Fatal Error Message(s)
 A Total of   1 Warning Message(s)
 A Total of   0 Informational Message(s)

    ******** FATAL ERROR MESSAGES ********
               *** NONE ***

    ********   WARNING MESSAGES   ********
 ME W187   206   MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

    ****
    *** AERMOD Finishes Successfully ***
    ****

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.9.0
** Lakes Environmental Software Inc.
** Date: 7/22/2020
** File: C:\Lakes\AERMOD View\Tracy Alt PM10\Tracy Alt PM10.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE Valley Link PM10 Tracy Alternative
   TITLETWO Tier 4 Mitigation Construction
   MODELOPT CONC FASTAREA
   AVERTIME 24 ANNUAL
   URBANOPT 91812 Tracy,_CA
   POLLUTID PM_10
   RUNORNOT NOT
   ERRORFIL "Tracy Alt PM10.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION TRACK_FD     AREAPOLY   638522.103  4177309.794       19.770
** DESCRSRC Track Segment
   LOCATION TRACK_EXH    AREAPOLY   638522.103  4177309.794       19.770
** DESCRSRC Track Segment
   LOCATION STNALT_FD    AREAPOLY   638926.451  4177432.079       19.170
** DESCRSRC Station Alternative
   LOCATION STNALT_EXH   AREAPOLY   638926.451  4177432.079       19.170
** DESCRSRC Station Alternative
** Source Parameters **
   SRCPARAM TRACK_FD     1.2585E-07     0.000        33     0.700
   AREAVERT TRACK_FD     638522.103 4177309.794 638343.901 4177221.399
   AREAVERT TRACK_FD     638056.738 4177083.691 637703.350 4176902.854
   AREAVERT TRACK_FD     637321.818 4176712.694 636866.053 4176483.885
   AREAVERT TRACK_FD     636327.379 4176212.231 636323.054 4176252.436
   AREAVERT TRACK_FD     637151.119 4176671.325 637431.890 4176808.993
   AREAVERT TRACK_FD     637877.830 4177034.843 637948.893 4177069.885
   AREAVERT TRACK_FD     637948.207 4177112.612 638289.058 4177285.531
   AREAVERT TRACK_FD     638352.729 4177317.618 638409.552 4177295.332
   AREAVERT TRACK_FD     638496.675 4177338.005 638623.016 4177402.510
   AREAVERT TRACK_FD     638746.092 4177464.261 638904.557 4177541.844
   AREAVERT TRACK_FD     638991.989 4177583.390 639106.217 4177637.877
   AREAVERT TRACK_FD     639183.334 4177677.215 639308.090 4177739.591
   AREAVERT TRACK_FD     639390.702 4177781.567 639455.628 4177816.509
   AREAVERT TRACK_FD     639495.758 4177850.609 639516.384 4177883.608
   AREAVERT TRACK_FD     639514.901 4177810.898 639304.156 4177704.800
   AREAVERT TRACK_FD     639064.632 4177580.774 638931.713 4177509.892
   AREAVERT TRACK_FD     638712.912 4177401.804
```

```
   SRCPARAM TRACK_EXH    5.2461E-08     3.000        33     0.700
   AREAVERT TRACK_EXH    638522.103 4177309.794 638343.901 4177221.399
   AREAVERT TRACK_EXH    638056.738 4177083.691 637703.350 4176902.854
   AREAVERT TRACK_EXH    637321.818 4176712.694 636866.053 4176483.885
   AREAVERT TRACK_EXH    636327.379 4176212.231 636323.054 4176252.436
   AREAVERT TRACK_EXH    637151.119 4176671.325 637431.890 4176808.993
   AREAVERT TRACK_EXH    637877.830 4177034.843 637948.893 4177069.885
   AREAVERT TRACK_EXH    637948.207 4177112.612 638289.058 4177285.531
   AREAVERT TRACK_EXH    638352.729 4177317.618 638409.552 4177295.332
   AREAVERT TRACK_EXH    638496.675 4177338.005 638623.016 4177402.510
   AREAVERT TRACK_EXH    638746.092 4177464.261 638904.557 4177541.844
   AREAVERT TRACK_EXH    638991.989 4177583.390 639106.217 4177637.877
   AREAVERT TRACK_EXH    639183.334 4177677.215 639308.090 4177739.591
   AREAVERT TRACK_EXH    639390.702 4177781.567 639455.628 4177816.509
   AREAVERT TRACK_EXH    639495.758 4177850.609 639516.384 4177883.608
   AREAVERT TRACK_EXH    639514.901 4177810.898 639304.156 4177704.800
   AREAVERT TRACK_EXH    639064.632 4177580.774 638931.713 4177509.892
   AREAVERT TRACK_EXH    638712.912 4177401.804
   SRCPARAM STNALT_FD    0.0000119028     0.000        16     0.700
   AREAVERT STNALT_FD    638926.451 4177432.079 638921.459 4177362.196
   AREAVERT STNALT_FD    638922.491 4177320.004 638924.196 4177250.605
   AREAVERT STNALT_FD    638893.399 4177259.693 638872.509 4177311.142
   AREAVERT STNALT_FD    638851.128 4177344.392 638836.953 4177362.991
   AREAVERT STNALT_FD    638820.388 4177370.513 638781.487 4177376.980
   AREAVERT STNALT_FD    638750.794 4177376.407 638717.945 4177376.517
   AREAVERT STNALT_FD    638717.271 4177401.213 639008.790 4177549.467
   AREAVERT STNALT_FD    638960.429 4177503.749 638931.190 4177448.482
   SRCPARAM STNALT_EXH   9.6195E-09     3.000        16     0.700
   AREAVERT STNALT_EXH   638926.451 4177432.079 638921.459 4177362.196
   AREAVERT STNALT_EXH   638922.491 4177320.004 638924.196 4177250.605
   AREAVERT STNALT_EXH   638893.399 4177259.693 638872.509 4177311.142
   AREAVERT STNALT_EXH   638851.128 4177344.392 638836.953 4177362.991
   AREAVERT STNALT_EXH   638820.388 4177370.513 638781.487 4177376.980
   AREAVERT STNALT_EXH   638750.794 4177376.407 638717.945 4177376.517
   AREAVERT STNALT_EXH   638717.271 4177401.213 639008.790 4177549.467
   AREAVERT STNALT_EXH   638960.429 4177503.749 638931.190 4177448.482
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Seven Days (HRDOW7)"
** Variable Emission Scenario: "Construction"
   EMISFACT TRACK_FD     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK_FD     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK_FD     HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK_FD     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK_FD     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK_FD     HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK_FD     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK_FD     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK_FD     HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK_FD     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK_FD     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK_FD     HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK_FD     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK_FD     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK_FD     HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK_FD     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK_FD     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK_FD     HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK_FD     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK_FD     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK_FD     HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK_EXH    HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK_EXH    HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT TRACK_EXH    HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK_EXH    HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK_EXH    HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK_EXH    HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK_EXH    HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK_EXH    HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK_EXH    HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK_EXH    HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK_EXH    HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK_EXH    HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK_EXH    HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK_EXH    HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK_EXH    HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK_EXH    HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK_EXH    HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK_EXH    HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK_EXH    HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK_EXH    HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK_EXH    HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STNALT_FD    HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STNALT_FD    HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STNALT_FD    HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STNALT_FD    HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STNALT_FD    HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STNALT_FD    HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STNALT_FD    HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STNALT_FD    HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STNALT_FD    HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STNALT_FD    HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STNALT_FD    HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STNALT_FD    HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STNALT_FD    HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STNALT_FD    HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STNALT_FD    HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STNALT_FD    HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STNALT_FD    HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STNALT_FD    HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STNALT_FD    HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STNALT_FD    HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STNALT_FD    HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STNALT_EXH   HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STNALT_EXH   HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STNALT_EXH   HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STNALT_EXH   HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STNALT_EXH   HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STNALT_EXH   HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STNALT_EXH   HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STNALT_EXH   HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STNALT_EXH   HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STNALT_EXH   HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STNALT_EXH   HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STNALT_EXH   HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STNALT_EXH   HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STNALT_EXH   HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STNALT_EXH   HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STNALT_EXH   HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STNALT_EXH   HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STNALT_EXH   HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
```

```
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "Tracy Alt PM10.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE "C:\Users\19098\Desktop\Local Emissions Analysis\Tracy_2004-2008.SFC"
   PROFFILE "C:\Users\19098\Desktop\Local Emissions Analysis\Tracy_2004-2008.PFL"
   SURFDATA 99008 2004
   UAIRDATA 66666 2004
   PROFBASE 158.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 24 ALL 1ST "TRACY ALT PM10.AD\24H1GALL.PLT" 31
   PLOTFILE ANNUAL ALL "TRACY ALT PM10.AD\AN00GALL.PLT" 32
   SUMMFILE "Tracy Alt PM10.sum"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W187     211       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

 *********************************
 *** SETUP Finishes Successfully ***
 *********************************
```

```
                                            ***     MODEL SETUP OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for     4 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =     91812.0 ;  Urban Roughness Length =  1.000 m

 **Model Allows User-Specified Options:
         1. Stack-tip Downwash.
         2. Model Accounts for ELEVated Terrain Effects.
         3. Use Calms Processing Routine.
         4. Use Missing Data Processing Routine.
         5. No Exponential Decay.
         6. Urban Roughness Length of 1.0 Meter Used.

 **Other Options Specified:
         FASTAREA - Use hybrid approach to optimize AREA sources;
                    also applies to LINE sources (formerly TOXICS option)
         ADJ_U*   - Use ADJ_U* option for SBL in AERMET
         CCVR_Sub - Meteorological data includes CCVR substitutions
         TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Assumes No FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  PM_10

 **Model Calculates  1 Short Term Average(s) of:  24-HR
     and Calculates ANNUAL Averages

 **This Run Includes:      4 Source(s);       1 Source Group(s); and    2957 Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:      0 VOLUME source(s)
                 and:      4 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with      0 line(s)


 **Model Will NOT Run After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  18081

 **Output Options Selected:
```

```
          Model Outputs Tables of ANNUAL Averages by Receptor
          Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and
Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   158.00 ;  Decay Coef. =
0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                                ;  Emission
Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.9 MB of RAM.

 **Input Runstream File:          aermod.inp
 **Output Print File:             aermod.out

 **Detailed Error/Message File:   Tracy Alt PM10.err
 **File for Summary of Results:   Tracy Alt PM10.sum
```

 *** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	SZ INIT. (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
TRACK_FD	0	0.12585E-06	638522.1	4177309.8	19.8	0.00	33	0.70	YES	HRDOW7
TRACK_EXH	0	0.52461E-07	638522.1	4177309.8	19.8	3.00	33	0.70	YES	HRDOW7
STNALT_FD	0	0.11903E-04	638926.5	4177432.1	19.2	0.00	16	0.70	YES	HRDOW7
STNALT_EXH	0	0.96195E-08	638926.5	4177432.1	19.2	3.00	16	0.70	YES	HRDOW7

 *** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	TRACK_FD , TRACK_EXH , STNALT_FD , STNALT_EXH ,

 *** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
91812.	TRACK_FD , TRACK_EXH , STNALT_FD , STNALT_EXH ,	

 *** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

 SOURCE ID = TRACK_FD   ; SOURCE TYPE = AREAPOLY :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                DAY OF WEEK = MONDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = TUESDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = WEDNESDY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = THURSDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = FRIDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01

17 .1000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = TRACK_EXH ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = MONDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = TUESDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = WEDNESDY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = THURSDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = FRIDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01										

17 .1000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = STNALT_FD ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = MONDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = TUESDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = WEDNESDY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = THURSDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = FRIDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01										

17 .1000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = STNALT_EXH ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = MONDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = TUESDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = WEDNESDY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = THURSDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = FRIDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01

17 .1000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638946.5, 4177362.8, 19.3, 19.3, 0.0); (638947.5, 4177320.6, 19.4, 19.4, 0.0);
(638971.4, 4177363.4, 19.4, 19.4, 0.0); (638972.5, 4177321.2, 19.3, 19.3, 0.0);
(638996.4, 4177364.0, 19.4, 19.4, 0.0); (638997.5, 4177321.8, 19.4, 19.4, 0.0);
(639021.4, 4177364.6, 19.4, 19.4, 0.0); (639022.5, 4177322.4, 19.5, 19.5, 0.0);
(638948.1, 4177297.5, 19.4, 19.4, 0.0); (638948.6, 4177274.3, 19.5, 19.5, 0.0);
(638949.2, 4177251.2, 19.6, 19.6, 0.0); (638973.0, 4177298.1, 19.4, 19.4, 0.0);
(638973.6, 4177275.0, 19.6, 19.6, 0.0); (638974.2, 4177251.8, 19.7, 19.7, 0.0);
(638998.0, 4177298.7, 19.5, 19.5, 0.0); (638998.6, 4177275.6, 19.6, 19.6, 0.0);
(638999.2, 4177252.4, 19.7, 19.7, 0.0); (639023.0, 4177299.3, 19.6, 19.6, 0.0);
(639023.6, 4177276.2, 19.6, 19.6, 0.0); (639024.2, 4177253.1, 19.5, 19.5, 0.0);
(638928.3, 4177228.7, 19.8, 19.8, 0.0); (638901.7, 4177231.2, 19.7, 19.7, 0.0);
(638924.9, 4177205.4, 19.8, 19.8, 0.0); (638961.1, 4177224.6, 19.8, 19.8, 0.0);
(638894.7, 4177207.2, 19.7, 19.7, 0.0); (638916.3, 4177181.2, 20.0, 20.0, 0.0);
(638943.1, 4177186.1, 20.0, 20.0, 0.0); (638975.7, 4177203.4, 19.9, 19.9, 0.0);
(638987.4, 4177227.9, 19.8, 19.8, 0.0); (638887.6, 4177183.2, 19.9, 19.9, 0.0);
(638910.8, 4177157.4, 20.1, 20.1, 0.0); (638940.5, 4177163.0, 20.1, 20.1, 0.0);
(638970.2, 4177168.5, 20.2, 20.2, 0.0); (638991.6, 4177184.9, 19.9, 19.9, 0.0);
(639004.6, 4177212.2, 19.8, 19.8, 0.0); (638880.5, 4177159.2, 20.2, 20.2, 0.0);
(638878.3, 4177243.0, 19.6, 19.6, 0.0); (638863.3, 4177267.4, 19.5, 19.5, 0.0);
(638849.4, 4177301.7, 19.3, 19.3, 0.0); (638857.8, 4177231.2, 19.7, 19.7, 0.0);
(638840.1, 4177258.0, 19.5, 19.5, 0.0); (638826.2, 4177292.3, 19.4, 19.4, 0.0);
(638836.0, 4177220.5, 19.6, 19.6, 0.0); (638860.1, 4177198.7, 19.8, 19.8, 0.0);
(638816.9, 4177248.6, 19.5, 19.5, 0.0); (638803.0, 4177282.9, 19.4, 19.4, 0.0);
(638813.6, 4177210.4, 19.7, 19.7, 0.0); (638839.4, 4177187.1, 19.6, 19.6, 0.0);
(638793.8, 4177239.2, 19.5, 19.5, 0.0); (638779.9, 4177273.5, 19.4, 19.4, 0.0);
(638830.1, 4177330.9, 19.3, 19.3, 0.0); (638809.1,

```
4177317.3,      19.2,      19.2,       0.0);
     ( 638788.0, 4177303.8,      19.2,      19.2,       0.0);         ( 638757.4,
4177302.4,      19.4,      19.4,       0.0);
     ( 638810.1, 4177347.8,      19.2,      19.2,       0.0);         ( 638777.4,
4177352.3,      19.2,      19.2,       0.0);
     ( 638773.3, 4177327.7,      18.9,      18.9,       0.0);         ( 638751.3,
4177351.4,      19.2,      19.2,       0.0);
     ( 638752.7, 4177276.4,      19.4,      19.4,       0.0);         ( 638717.9,
4177351.5,      19.2,      19.2,       0.0);
     ( 638750.6, 4177326.4,      19.2,      19.2,       0.0);         ( 638717.8,
4177326.5,      19.2,      19.2,       0.0);
     ( 638734.1, 4177301.5,      19.4,      19.4,       0.0);         ( 638717.6,
4177276.5,      19.4,      19.4,       0.0);
     ( 638693.0, 4177375.8,      19.1,      19.1,       0.0);         ( 638675.5,
4177357.9,      19.3,      19.3,       0.0);
     ( 638650.5, 4177357.3,      19.2,      19.2,       0.0);         ( 638682.9,
4177315.7,      19.2,      19.2,       0.0);
     ( 638625.5, 4177356.6,      19.3,      19.3,       0.0);         ( 638640.6,
4177322.2,      19.4,      19.4,       0.0);
     ( 638665.5, 4177297.8,      19.8,      19.8,       0.0);         ( 638684.5,
4177436.3,      19.1,      19.1,       0.0);
     ( 638715.4, 4177456.4,      19.2,      19.2,       0.0);         ( 638736.2,
4177467.0,      19.1,      19.1,       0.0);
     ( 638757.1, 4177477.5,      18.8,      18.8,       0.0);         ( 638777.9,
4177488.1,      18.8,      18.8,       0.0);
     ( 638798.7, 4177498.7,      18.6,      18.6,       0.0);         ( 638819.5,
4177509.3,      18.6,      18.6,       0.0);
     ( 638840.4, 4177519.9,      18.5,      18.5,       0.0);         ( 638861.2,
4177530.5,      18.5,      18.5,       0.0);
     ( 638882.0, 4177541.1,      18.5,      18.5,       0.0);         ( 638902.8,
4177551.7,      18.5,      18.5,       0.0);
     ( 638923.7, 4177562.3,      18.4,      18.4,       0.0);         ( 638944.5,
4177572.9,      18.5,      18.5,       0.0);
     ( 638965.3, 4177583.4,      18.6,      18.6,       0.0);         ( 638986.1,
4177594.0,      18.5,      18.5,       0.0);
     ( 638668.0, 4177453.8,      18.9,      18.9,       0.0);         ( 638704.1,
4177478.6,      18.8,      18.8,       0.0);
     ( 638724.9, 4177489.2,      19.1,      19.1,       0.0);         ( 638745.7,
4177499.8,      19.1,      19.1,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638766.6, 4177510.4, 19.1, 19.1, 0.0); (638787.4, 4177521.0, 18.9, 18.9, 0.0);
(638808.2, 4177531.6, 18.7, 18.7, 0.0); (638829.0, 4177542.2, 18.3, 18.3, 0.0);
(638849.9, 4177552.8, 18.2, 18.2, 0.0); (638870.7, 4177563.4, 18.2, 18.2, 0.0);
(638891.5, 4177574.0, 18.1, 18.1, 0.0); (638912.3, 4177584.5, 18.0, 18.0, 0.0);
(638933.2, 4177595.1, 17.9, 17.9, 0.0); (638954.0, 4177605.7, 17.8, 17.8, 0.0);
(638974.8, 4177616.3, 17.8, 17.8, 0.0); (638658.4, 4177477.7, 18.6, 18.6, 0.0);
(638626.7, 4177434.4, 18.8, 18.8, 0.0); (638692.8, 4177500.9, 18.7, 18.7, 0.0);
(638713.6, 4177511.5, 19.0, 19.0, 0.0); (638734.4, 4177522.1, 18.9, 18.9, 0.0);
(638755.2, 4177532.7, 18.7, 18.7, 0.0); (638776.1, 4177543.3, 18.5, 18.5, 0.0);
(638796.9, 4177553.9, 18.4, 18.4, 0.0); (638817.7, 4177564.5, 18.1, 18.1, 0.0);
(638838.5, 4177575.1, 18.0, 18.0, 0.0); (638859.4, 4177585.6, 18.0, 18.0, 0.0);
(638880.2, 4177596.2, 17.9, 17.9, 0.0); (638901.0, 4177606.8, 17.9, 17.9, 0.0);
(638921.8, 4177617.4, 17.9, 17.9, 0.0); (638942.6, 4177628.0, 17.8, 17.8, 0.0);
(638963.5, 4177638.6, 17.7, 17.7, 0.0); (639027.6, 4177547.6, 18.6, 18.6, 0.0);
(639009.8, 4177516.1, 18.7, 18.7, 0.0); (638977.6, 4177485.6, 18.8, 18.8, 0.0);
(639043.1, 4177513.1, 18.6, 18.6, 0.0); (639010.9, 4177482.6, 18.7, 18.7, 0.0);
(639064.2, 4177534.0, 18.6, 18.6, 0.0); (639068.1, 4177573.1, 18.5, 18.5, 0.0);
(639012.9, 4177606.9, 18.2, 18.2, 0.0); (639060.3, 4177495.0, 18.6, 18.6, 0.0);
(639028.1, 4177464.5, 18.8, 18.8, 0.0); (639088.4, 4177585.4, 18.5, 18.5, 0.0);
(639077.5, 4177476.8, 18.8, 18.8, 0.0); (639045.2, 4177446.3, 19.0, 19.0, 0.0);
(638963.0, 4177455.2, 18.9, 18.9, 0.0); (638994.9, 4177461.9, 18.8, 18.8, 0.0);
(638975.4, 4177425.1, 19.3, 19.3, 0.0); (639007.2, 4177431.8, 19.2, 19.2, 0.0);
(639029.3, 4177420.1, 19.4, 19.4, 0.0); (638950.5, 4177425.1, 19.2, 19.2, 0.0);
(638999.6, 4177403.4, 19.2, 19.2, 0.0); (638522.1, 4177309.8, 19.8, 19.8, 0.0);
(638343.9, 4177221.4, 20.4, 20.4, 0.0); (638056.7, 4177083.7, 21.2, 21.2, 0.0);
(637703.4, 4176902.8, 20.4, 20.4, 0.0); (637321.8,

```
4176712.7,      20.8,      20.8,       0.0);
     ( 636866.1, 4176483.9,      20.4,      20.4,       0.0);         ( 636327.4,
4176212.2,      21.7,      21.7,       0.0);
     ( 636323.1, 4176252.4,      21.5,      21.5,       0.0);         ( 637151.1,
4176671.3,      20.8,      22.0,       0.0);
     ( 637431.9, 4176809.0,      20.9,      20.9,       0.0);         ( 637877.8,
4177034.8,      20.3,      20.3,       0.0);
     ( 637948.9, 4177069.9,      21.1,      21.1,       0.0);         ( 637948.2,
4177112.6,      20.5,      20.5,       0.0);
     ( 638289.1, 4177285.5,      20.0,      20.0,       0.0);         ( 638352.7,
4177317.6,      19.7,      19.7,       0.0);
     ( 638409.6, 4177295.3,      20.0,      20.0,       0.0);         ( 638496.7,
4177338.0,      19.6,      19.6,       0.0);
     ( 638623.0, 4177402.5,      19.1,      19.1,       0.0);         ( 638746.1,
4177464.3,      19.0,      19.0,       0.0);
     ( 638904.6, 4177541.8,      18.6,      18.6,       0.0);         ( 638992.0,
4177583.4,      18.7,      18.7,       0.0);
     ( 639106.2, 4177637.9,      18.5,      18.5,       0.0);         ( 639183.3,
4177677.2,      18.2,      18.2,       0.0);
     ( 639308.1, 4177739.6,      17.9,      17.9,       0.0);         ( 639390.7,
4177781.6,      17.6,      17.6,       0.0);
     ( 639455.6, 4177816.5,      17.3,      17.3,       0.0);         ( 639495.8,
4177850.6,      17.2,      17.2,       0.0);
     ( 639514.9, 4177810.9,      17.7,      17.7,       0.0);         ( 639304.2,
4177704.8,      18.1,      18.1,       0.0);
     ( 639064.6, 4177580.8,      18.6,      18.6,       0.0);         ( 638712.9,
4177401.8,      19.3,      19.3,       0.0);
     ( 638499.8, 4177298.7,      19.9,      19.9,       0.0);         ( 638477.6,
4177287.7,      19.9,      19.9,       0.0);
     ( 638455.3, 4177276.6,      20.0,      20.0,       0.0);         ( 638433.0,
4177265.6,      20.1,      20.1,       0.0);
     ( 638410.7, 4177254.5,      20.2,      20.2,       0.0);         ( 638388.5,
4177243.5,      20.3,      20.3,       0.0);
     ( 638366.2, 4177232.4,      20.3,      20.3,       0.0);         ( 638321.8,
4177210.8,      20.4,      20.4,       0.0);
     ( 638299.7, 4177200.2,      20.5,      20.5,       0.0);         ( 638277.6,
4177189.6,      20.6,      20.6,       0.0);
     ( 638255.5, 4177179.0,      20.7,      20.7,       0.0);         ( 638233.5,
4177168.4,      20.8,      20.8,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638211.4, 4177157.8, 20.8, 20.8, 0.0); (638189.3, 4177147.2, 20.9, 20.9, 0.0);
(638167.2, 4177136.7, 20.9, 20.9, 0.0); (638145.1, 4177126.1, 20.9, 20.9, 0.0);
(638123.0, 4177115.5, 21.0, 21.0, 0.0); (638100.9, 4177104.9, 21.0, 21.0, 0.0);
(638078.8, 4177094.3, 21.1, 21.1, 0.0); (638034.7, 4177072.4, 21.2, 21.2, 0.0);
(638012.6, 4177061.1, 21.2, 21.2, 0.0); (637990.5, 4177049.8, 21.2, 21.2, 0.0);
(637968.4, 4177038.5, 21.3, 21.3, 0.0); (637946.3, 4177027.2, 21.7, 21.7, 0.0);
(637924.2, 4177015.9, 21.8, 21.8, 0.0); (637902.1, 4177004.6, 20.9, 20.9, 0.0);
(637880.0, 4176993.3, 20.8, 20.8, 0.0); (637858.0, 4176982.0, 20.9, 20.9, 0.0);
(637835.9, 4176970.7, 20.7, 20.7, 0.0); (637813.8, 4176959.4, 20.6, 20.6, 0.0);
(637791.7, 4176948.1, 20.6, 20.6, 0.0); (637769.6, 4176936.8, 20.6, 20.6, 0.0);
(637747.5, 4176925.5, 20.5, 20.5, 0.0); (637725.4, 4176914.2, 20.4, 20.4, 0.0);
(637682.2, 4176892.3, 20.4, 20.4, 0.0); (637661.0, 4176881.7, 20.4, 20.4, 0.0);
(637639.8, 4176871.2, 20.4, 20.4, 0.0); (637618.6, 4176860.6, 20.4, 20.4, 0.0);
(637597.4, 4176850.0, 20.5, 20.5, 0.0); (637576.2, 4176839.5, 20.6, 20.6, 0.0);
(637555.0, 4176828.9, 20.7, 20.7, 0.0); (637533.8, 4176818.3, 20.8, 20.8, 0.0);
(637512.6, 4176807.8, 20.9, 20.9, 0.0); (637491.4, 4176797.2, 21.0, 21.0, 0.0);
(637470.2, 4176786.6, 21.1, 21.1, 0.0); (637449.0, 4176776.1, 21.3, 21.3, 0.0);
(637427.8, 4176765.5, 21.4, 21.4, 0.0); (637406.6, 4176754.9, 21.6, 21.6, 0.0);
(637385.4, 4176744.4, 21.4, 21.4, 0.0); (637364.2, 4176733.8, 21.2, 21.2, 0.0);
(637343.0, 4176723.3, 20.9, 20.9, 0.0); (637300.1, 4176701.8, 20.8, 20.8, 0.0);
(637278.4, 4176690.9, 20.8, 20.8, 0.0); (637256.7, 4176680.0, 20.8, 20.8, 0.0);
(637235.0, 4176669.1, 20.8, 20.8, 0.0); (637213.3, 4176658.2, 20.5, 22.3, 0.0);
(637191.6, 4176647.3, 22.4, 22.4, 0.0); (637169.9, 4176636.4, 21.5, 21.5, 0.0);
(637148.2, 4176625.5, 20.9, 20.9, 0.0); (637126.5, 4176614.6, 20.6, 20.6, 0.0);
(637104.8, 4176603.7, 20.2, 20.2, 0.0); (637083.1, 4176592.8, 20.2, 20.2, 0.0);
(637061.4, 4176581.9, 20.3, 20.3, 0.0); (637039.7,

```
4176571.0,      20.3,      20.3,       0.0);
     ( 637018.0, 4176560.1,      20.4,      20.4,       0.0);         ( 636996.3,
4176549.3,      20.4,      20.4,       0.0);
     ( 636974.6, 4176538.4,      20.5,      20.5,       0.0);         ( 636952.9,
4176527.5,      20.4,      20.4,       0.0);
     ( 636931.2, 4176516.6,      20.4,      20.4,       0.0);         ( 636909.5,
4176505.7,      20.4,      20.4,       0.0);
     ( 636887.8, 4176494.8,      20.4,      20.4,       0.0);         ( 636844.5,
4176473.0,      20.4,      20.4,       0.0);
     ( 636823.0, 4176462.1,      20.5,      20.5,       0.0);         ( 636801.4,
4176451.3,      20.5,      20.5,       0.0);
     ( 636779.9, 4176440.4,      20.5,      20.5,       0.0);         ( 636758.3,
4176429.5,      20.6,      20.6,       0.0);
     ( 636736.8, 4176418.7,      20.5,      20.5,       0.0);         ( 636715.2,
4176407.8,      20.6,      20.6,       0.0);
     ( 636693.7, 4176397.0,      20.5,      20.5,       0.0);         ( 636672.1,
4176386.1,      20.5,      20.5,       0.0);
     ( 636650.6, 4176375.2,      20.5,      20.5,       0.0);         ( 636629.0,
4176364.4,      20.5,      20.5,       0.0);
     ( 636607.5, 4176353.5,      20.5,      20.5,       0.0);         ( 636585.9,
4176342.6,      20.5,      20.5,       0.0);
     ( 636564.4, 4176331.8,      20.5,      20.5,       0.0);         ( 636542.9,
4176320.9,      20.6,      20.6,       0.0);
     ( 636521.3, 4176310.0,      20.6,      20.6,       0.0);         ( 636499.8,
4176299.2,      20.6,      20.6,       0.0);
     ( 636478.2, 4176288.3,      20.6,      20.6,       0.0);         ( 636456.7,
4176277.4,      20.7,      20.7,       0.0);
     ( 636435.1, 4176266.6,      20.7,      20.7,       0.0);         ( 636413.6,
4176255.7,      20.8,      20.8,       0.0);
     ( 636392.0, 4176244.8,      20.8,      20.8,       0.0);         ( 636370.5,
4176234.0,      20.9,      20.9,       0.0);
     ( 636348.9, 4176223.1,      21.5,      21.5,       0.0);         ( 636344.9,
4176263.5,      21.3,      21.3,       0.0);
     ( 636366.6, 4176274.5,      20.7,      20.7,       0.0);         ( 636388.4,
4176285.5,      20.5,      20.5,       0.0);
     ( 636410.2, 4176296.5,      20.5,      20.5,       0.0);         ( 636432.0,
4176307.5,      20.4,      20.4,       0.0);
     ( 636453.8, 4176318.6,      20.4,      20.4,       0.0);         ( 636475.6,
4176329.6,      20.3,      20.3,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(636497.4, 4176340.6, 20.4, 20.4, 0.0); (636519.2, 4176351.6, 20.4, 20.4, 0.0);
(636541.0, 4176362.7, 20.4, 20.4, 0.0); (636562.8, 4176373.7, 20.3, 20.3, 0.0);
(636584.6, 4176384.7, 20.4, 20.4, 0.0); (636606.3, 4176395.7, 20.4, 20.4, 0.0);
(636628.1, 4176406.8, 20.4, 20.4, 0.0); (636649.9, 4176417.8, 20.3, 20.3, 0.0);
(636671.7, 4176428.8, 20.4, 20.4, 0.0); (636693.5, 4176439.8, 20.3, 20.3, 0.0);
(636715.3, 4176450.9, 20.2, 20.2, 0.0); (636737.1, 4176461.9, 20.1, 20.1, 0.0);
(636758.9, 4176472.9, 19.9, 19.9, 0.0); (636780.7, 4176483.9, 19.9, 19.9, 0.0);
(636802.5, 4176494.9, 20.2, 20.2, 0.0); (636824.2, 4176506.0, 20.1, 20.1, 0.0);
(636846.0, 4176517.0, 20.1, 20.1, 0.0); (636867.8, 4176528.0, 20.2, 20.2, 0.0);
(636889.6, 4176539.0, 20.2, 20.2, 0.0); (636911.4, 4176550.1, 20.2, 20.2, 0.0);
(636933.2, 4176561.1, 20.2, 20.2, 0.0); (636955.0, 4176572.1, 20.3, 20.3, 0.0);
(636976.8, 4176583.1, 20.2, 20.2, 0.0); (636998.6, 4176594.2, 20.6, 20.6, 0.0);
(637020.4, 4176605.2, 20.8, 20.8, 0.0); (637042.2, 4176616.2, 20.6, 20.6, 0.0);
(637064.0, 4176627.2, 20.7, 20.7, 0.0); (637085.8, 4176638.2, 20.6, 20.6, 0.0);
(637107.5, 4176649.3, 20.6, 20.6, 0.0); (637129.3, 4176660.3, 20.7, 20.7, 0.0);
(637172.7, 4176681.9, 22.2, 22.2, 0.0); (637194.3, 4176692.5, 19.6, 22.4, 0.0);
(637215.9, 4176703.1, 20.1, 20.1, 0.0); (637237.5, 4176713.7, 20.4, 20.4, 0.0);
(637259.1, 4176724.3, 20.6, 20.6, 0.0); (637280.7, 4176734.9, 21.2, 21.2, 0.0);
(637302.3, 4176745.4, 21.3, 21.3, 0.0); (637323.9, 4176756.0, 21.3, 21.3, 0.0);
(637345.5, 4176766.6, 20.7, 20.7, 0.0); (637367.1, 4176777.2, 20.8, 20.8, 0.0);
(637388.7, 4176787.8, 20.8, 20.8, 0.0); (637410.3, 4176798.4, 20.9, 20.9, 0.0);
(637454.2, 4176820.3, 20.8, 20.8, 0.0); (637476.5, 4176831.6, 20.9, 20.9, 0.0);
(637498.8, 4176842.9, 20.7, 20.7, 0.0); (637521.1, 4176854.2, 20.6, 20.6, 0.0);
(637543.4, 4176865.5, 20.6, 20.6, 0.0); (637565.7, 4176876.8, 20.5, 20.5, 0.0);
(637588.0, 4176888.0, 20.6, 20.6, 0.0); (637610.3, 4176899.3, 20.6, 20.6, 0.0);
(637632.6, 4176910.6, 20.4, 20.4, 0.0); (637654.9,

```
4176921.9,      20.4,      20.4,       0.0);
     ( 637677.2, 4176933.2,      20.3,      20.3,       0.0);         ( 637699.5,
4176944.5,      20.4,      20.4,       0.0);
     ( 637721.8, 4176955.8,      20.4,      20.4,       0.0);         ( 637744.1,
4176967.1,      20.3,      20.3,       0.0);
     ( 637766.3, 4176978.4,      20.4,      20.4,       0.0);         ( 637788.6,
4176989.7,      20.4,      20.4,       0.0);
     ( 637810.9, 4177001.0,      20.4,      20.4,       0.0);         ( 637833.2,
4177012.3,      20.4,      20.4,       0.0);
     ( 637855.5, 4177023.5,      20.4,      20.4,       0.0);         ( 637895.6,
4177043.6,      20.4,      20.4,       0.0);
     ( 637913.4, 4177052.4,      20.9,      20.9,       0.0);         ( 637931.1,
4177061.1,      21.7,      21.7,       0.0);
     ( 637948.6, 4177091.2,      20.7,      20.7,       0.0);         ( 637969.5,
4177123.4,      20.1,      20.1,       0.0);
     ( 637990.8, 4177134.2,      20.0,      20.0,       0.0);         ( 638012.1,
4177145.0,      20.0,      20.0,       0.0);
     ( 638033.4, 4177155.8,      20.1,      20.1,       0.0);         ( 638054.7,
4177166.6,      20.1,      20.1,       0.0);
     ( 638076.0, 4177177.5,      20.1,      20.1,       0.0);         ( 638097.3,
4177188.3,      20.1,      20.1,       0.0);
     ( 638118.6, 4177199.1,      20.1,      20.1,       0.0);         ( 638139.9,
4177209.9,      20.1,      20.1,       0.0);
     ( 638161.2, 4177220.7,      20.0,      20.0,       0.0);         ( 638182.5,
4177231.5,      20.1,      20.1,       0.0);
     ( 638203.9, 4177242.3,      20.1,      20.1,       0.0);         ( 638225.2,
4177253.1,      20.1,      20.1,       0.0);
     ( 638246.5, 4177263.9,      20.1,      20.1,       0.0);         ( 638267.8,
4177274.7,      20.0,      20.0,       0.0);
     ( 638310.3, 4177296.2,      20.0,      20.0,       0.0);         ( 638331.5,
4177306.9,      20.0,      20.0,       0.0);
     ( 638371.7, 4177310.2,      19.6,      19.6,       0.0);         ( 638390.6,
4177302.8,      19.8,      19.8,       0.0);
     ( 638431.3, 4177306.0,      19.9,      19.9,       0.0);         ( 638453.1,
4177316.7,      19.9,      19.9,       0.0);
     ( 638474.9, 4177327.3,      19.8,      19.8,       0.0);         ( 638517.7,
4177348.8,      19.4,      19.4,       0.0);
     ( 638538.8, 4177359.5,      19.4,      19.4,       0.0);         ( 638559.9,
4177370.3,      19.3,      19.3,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638580.9, 4177381.0, 19.2, 19.2, 0.0); (638602.0, 4177391.8, 19.1, 19.1, 0.0);
(638643.5, 4177412.8, 19.0, 19.0, 0.0); (638664.0, 4177423.1, 19.1, 19.1, 0.0);
(638684.6, 4177433.4, 19.1, 19.1, 0.0); (638705.1, 4177443.7, 19.1, 19.1, 0.0);
(638725.6, 4177454.0, 19.3, 19.3, 0.0); (638765.9, 4177474.0, 18.8, 18.8, 0.0);
(638785.7, 4177483.7, 18.8, 18.8, 0.0); (638805.5, 4177493.3, 18.6, 18.6, 0.0);
(638825.3, 4177503.0, 18.7, 18.7, 0.0); (638845.1, 4177512.8, 18.7, 18.7, 0.0);
(638864.9, 4177522.4, 18.7, 18.7, 0.0); (638884.8, 4177532.1, 18.7, 18.7, 0.0);
(638926.4, 4177552.2, 18.6, 18.6, 0.0); (638948.3, 4177562.6, 18.6, 18.6, 0.0);
(638970.1, 4177573.0, 18.7, 18.7, 0.0); (639011.0, 4177592.5, 18.6, 18.6, 0.0);
(639030.1, 4177601.5, 18.6, 18.6, 0.0); (639049.1, 4177610.6, 18.6, 18.6, 0.0);
(639068.1, 4177619.7, 18.5, 18.5, 0.0); (639087.2, 4177628.8, 18.5, 18.5, 0.0);
(639125.5, 4177647.7, 18.4, 18.4, 0.0); (639144.8, 4177657.5, 18.3, 18.3, 0.0);
(639164.1, 4177667.4, 18.3, 18.3, 0.0); (639204.1, 4177687.6, 18.2, 18.2, 0.0);
(639224.9, 4177698.0, 18.1, 18.1, 0.0); (639245.7, 4177708.4, 18.1, 18.1, 0.0);
(639266.5, 4177718.8, 18.0, 18.0, 0.0); (639287.3, 4177729.2, 17.9, 17.9, 0.0);
(639328.7, 4177750.1, 17.8, 17.8, 0.0); (639349.4, 4177760.6, 17.7, 17.7, 0.0);
(639370.1, 4177771.1, 17.6, 17.6, 0.0); (639412.3, 4177793.2, 17.5, 17.5, 0.0);
(639434.0, 4177804.9, 17.3, 17.3, 0.0); (639469.0, 4177827.9, 17.1, 17.1, 0.0);
(639482.4, 4177839.2, 17.0, 17.0, 0.0); (639506.1, 4177867.1, 17.1, 17.1, 0.0);
(639493.8, 4177800.3, 17.7, 17.7, 0.0); (639472.8, 4177789.7, 17.6, 17.6, 0.0);
(639451.7, 4177779.1, 17.4, 17.4, 0.0); (639430.6, 4177768.5, 17.8, 17.8, 0.0);
(639409.5, 4177757.8, 17.8, 17.8, 0.0); (639388.5, 4177747.2, 17.9, 17.9, 0.0);
(639367.4, 4177736.6, 17.9, 17.9, 0.0); (639346.3, 4177726.0, 17.9, 17.9, 0.0);
(639325.2, 4177715.4, 18.1, 18.1, 0.0); (639282.4, 4177693.5, 18.1, 18.1, 0.0);
(639260.6, 4177682.2, 18.1, 18.1, 0.0); (639238.8, 4177671.0, 18.2, 18.2, 0.0);
(639217.1, 4177659.7, 18.3, 18.3, 0.0); (639195.3,

```
4177648.4,      18.4,      18.4,       0.0);
     ( 639173.5, 4177637.1,      18.4,      18.4,       0.0);         ( 639151.7,
4177625.9,      18.4,      18.4,       0.0);
     ( 639130.0, 4177614.6,      18.5,      18.5,       0.0);         ( 639108.2,
4177603.3,      18.5,      18.5,       0.0);
     ( 639086.4, 4177592.0,      18.6,      18.6,       0.0);         ( 639045.6,
4177570.6,      18.6,      18.6,       0.0);
     ( 639026.7, 4177560.5,      18.5,      18.5,       0.0);         ( 638691.7,
4177391.6,      19.4,      19.4,       0.0);
     ( 638670.5, 4177381.4,      19.4,      19.4,       0.0);         ( 638649.3,
4177371.1,      19.3,      19.3,       0.0);
     ( 638628.1, 4177360.9,      19.3,      19.3,       0.0);         ( 638606.9,
4177350.7,      19.4,      19.4,       0.0);
     ( 638585.7, 4177340.5,      19.4,      19.4,       0.0);         ( 638564.5,
4177330.2,      19.6,      19.6,       0.0);
     ( 638543.3, 4177320.0,      19.7,      19.7,       0.0);         ( 638926.5,
4177432.1,      19.2,      19.2,       0.0);
     ( 638921.5, 4177362.2,      19.3,      19.3,       0.0);         ( 638922.5,
4177320.0,      19.3,      19.3,       0.0);
     ( 638924.2, 4177250.6,      19.5,      19.5,       0.0);         ( 638893.4,
4177259.7,      19.5,      19.5,       0.0);
     ( 638872.5, 4177311.1,      19.2,      19.2,       0.0);         ( 638851.1,
4177344.4,      19.2,      19.2,       0.0);
     ( 638837.0, 4177363.0,      19.2,      19.2,       0.0);         ( 638820.4,
4177370.5,      19.3,      19.3,       0.0);
     ( 638781.5, 4177377.0,      19.1,      19.1,       0.0);         ( 638750.8,
4177376.4,      19.1,      19.1,       0.0);
     ( 638718.0, 4177376.5,      19.1,      19.1,       0.0);         ( 639008.8,
4177549.5,      18.6,      18.6,       0.0);
     ( 638960.4, 4177503.8,      18.7,      18.7,       0.0);         ( 638931.2,
4177448.5,      19.1,      19.1,       0.0);
     ( 638924.8, 4177408.8,      19.2,      19.2,       0.0);         ( 638923.1,
4177385.5,      19.3,      19.3,       0.0);
     ( 638922.0, 4177341.1,      19.4,      19.4,       0.0);         ( 638923.1,
4177296.9,      19.3,      19.3,       0.0);
     ( 638923.6, 4177273.7,      19.4,      19.4,       0.0);         ( 638908.8,
4177255.1,      19.5,      19.5,       0.0);
     ( 638886.4, 4177276.8,      19.5,      19.5,       0.0);         ( 638879.5,
4177294.0,      19.3,      19.3,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638861.8, 4177327.8, 19.2, 19.2, 0.0); (638800.9, 4177373.8, 19.2, 19.2, 0.0);
(638766.1, 4177376.7, 19.1, 19.1, 0.0); (638992.7, 4177534.2, 18.7, 18.7, 0.0);
(638976.6, 4177519.0, 18.7, 18.7, 0.0); (638950.7, 4177485.3, 18.8, 18.8, 0.0);
(638940.9, 4177466.9, 18.8, 18.8, 0.0); (638354.7, 4177198.9, 20.5, 20.5, 0.0);
(638332.6, 4177188.3, 20.4, 20.4, 0.0); (638310.5, 4177177.7, 20.6, 20.6, 0.0);
(638288.4, 4177167.1, 20.5, 20.5, 0.0); (638266.4, 4177156.5, 20.8, 20.8, 0.0);
(638244.3, 4177145.9, 20.7, 20.7, 0.0); (638222.2, 4177135.3, 20.6, 20.6, 0.0);
(638200.1, 4177124.7, 21.0, 21.0, 0.0); (638178.0, 4177114.1, 20.9, 20.9, 0.0);
(638155.9, 4177103.5, 21.1, 21.1, 0.0); (638133.8, 4177092.9, 21.0, 21.0, 0.0);
(638111.7, 4177082.3, 21.1, 21.1, 0.0); (638089.6, 4177071.7, 21.0, 21.0, 0.0);
(638067.6, 4177061.1, 21.1, 21.1, 0.0); (638365.5, 4177176.3, 20.4, 20.4, 0.0);
(638343.4, 4177165.7, 20.5, 20.5, 0.0); (638321.3, 4177155.1, 20.5, 20.5, 0.0);
(638299.2, 4177144.5, 20.6, 20.6, 0.0); (638277.2, 4177133.9, 20.9, 20.9, 0.0);
(638255.1, 4177123.3, 20.9, 20.9, 0.0); (638233.0, 4177112.8, 21.0, 21.0, 0.0);
(638210.9, 4177102.2, 21.3, 21.3, 0.0); (638188.8, 4177091.6, 21.2, 21.2, 0.0);
(638166.7, 4177081.0, 21.2, 21.2, 0.0); (638144.6, 4177070.4, 21.3, 21.3, 0.0);
(638122.5, 4177059.8, 21.3, 21.3, 0.0); (638100.5, 4177049.2, 21.1, 21.1, 0.0);
(638078.4, 4177038.6, 21.2, 21.2, 0.0); (638376.3, 4177153.8, 20.4, 20.4, 0.0);
(638354.2, 4177143.2, 20.6, 20.6, 0.0); (638332.2, 4177132.6, 20.5, 20.5, 0.0);
(638310.1, 4177122.0, 20.9, 20.9, 0.0); (638288.0, 4177111.4, 20.9, 20.9, 0.0);
(638265.9, 4177100.8, 21.0, 21.0, 0.0); (638243.8, 4177090.2, 21.1, 21.1, 0.0);
(638221.7, 4177079.6, 21.2, 21.2, 0.0); (638199.6, 4177069.0, 21.5, 21.5, 0.0);
(638177.5, 4177058.4, 21.5, 21.5, 0.0); (638155.4, 4177047.8, 21.6, 21.6, 0.0);
(638133.4, 4177037.2, 21.3, 21.3, 0.0); (638111.3, 4177026.7, 21.4, 21.4, 0.0);
(638089.2, 4177016.1, 21.4, 21.4, 0.0); (638387.1, 4177131.2, 20.3, 20.3, 0.0);
(638365.1, 4177120.6, 20.4, 20.4, 0.0); (638343.0,

```
4177110.0,      20.5,      20.5,       0.0);
     ( 638320.9, 4177099.4,      20.8,      20.8,       0.0);         ( 638298.8,
4177088.9,      20.9,      20.9,       0.0);
     ( 638276.7, 4177078.3,      20.8,      20.8,       0.0);         ( 638254.6,
4177067.7,      20.9,      20.9,       0.0);
     ( 638232.5, 4177057.1,      21.2,      21.2,       0.0);         ( 638210.4,
4177046.5,      21.5,      21.5,       0.0);
     ( 638188.3, 4177035.9,      21.6,      21.6,       0.0);         ( 638166.2,
4177025.3,      21.6,      21.6,       0.0);
     ( 638144.2, 4177014.7,      21.8,      21.8,       0.0);         ( 638122.1,
4177004.1,      21.6,      21.6,       0.0);
     ( 638100.0, 4176993.5,      21.4,      21.4,       0.0);         ( 638046.0,
4177050.1,      21.3,      21.3,       0.0);
     ( 638024.0, 4177038.8,      21.1,      21.1,       0.0);         ( 638001.9,
4177027.5,      21.4,      21.4,       0.0);
     ( 637979.8, 4177016.2,      21.5,      21.5,       0.0);         ( 637957.7,
4177004.9,      21.6,      21.6,       0.0);
     ( 637935.6, 4176993.6,      21.6,      21.6,       0.0);         ( 637913.5,
4176982.3,      21.2,      21.2,       0.0);
     ( 637891.4, 4176971.0,      21.2,      21.2,       0.0);         ( 637869.4,
4176959.7,      21.2,      21.2,       0.0);
     ( 637847.3, 4176948.4,      21.1,      21.1,       0.0);         ( 637825.2,
4176937.1,      20.7,      20.7,       0.0);
     ( 637803.1, 4176925.8,      20.7,      20.7,       0.0);         ( 637781.0,
4176914.5,      20.7,      20.7,       0.0);
     ( 637758.9, 4176903.2,      20.6,      20.6,       0.0);         ( 637736.8,
4176891.9,      20.6,      20.6,       0.0);
     ( 637714.7, 4176880.6,      20.8,      20.8,       0.0);         ( 638057.4,
4177027.9,      21.4,      21.4,       0.0);
     ( 638035.3, 4177016.6,      21.1,      21.1,       0.0);         ( 638013.2,
4177005.3,      21.5,      21.5,       0.0);
     ( 637991.2, 4176994.0,      21.1,      21.1,       0.0);         ( 637969.1,
4176982.7,      21.5,      21.5,       0.0);
     ( 637947.0, 4176971.4,      21.4,      21.4,       0.0);         ( 637924.9,
4176960.1,      21.2,      21.2,       0.0);
     ( 637902.8, 4176948.8,      21.5,      21.5,       0.0);         ( 637880.7,
4176937.5,      21.8,      21.8,       0.0);
     ( 637858.7, 4176926.2,      21.7,      21.7,       0.0);         ( 637836.6,
4176914.8,      21.7,      21.7,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637814.5, 4176903.5, 21.6, 21.6, 0.0); (637792.4, 4176892.2, 21.6, 21.6, 0.0);
(637770.3, 4176880.9, 21.6, 21.6, 0.0); (637748.2, 4176869.6, 21.6, 21.6, 0.0);
(637726.1, 4176858.3, 21.6, 21.6, 0.0); (638068.8, 4177005.6, 21.4, 21.4, 0.0);
(638046.7, 4176994.3, 21.7, 21.7, 0.0); (638024.6, 4176983.0, 21.3, 21.3, 0.0);
(638002.6, 4176971.7, 21.3, 21.3, 0.0); (637980.5, 4176960.4, 21.5, 21.5, 0.0);
(637958.4, 4176949.1, 21.6, 21.6, 0.0); (637936.3, 4176937.8, 21.0, 21.0, 0.0);
(637914.2, 4176926.5, 21.1, 21.1, 0.0); (637892.1, 4176915.2, 22.0, 22.0, 0.0);
(637870.0, 4176903.9, 21.9, 21.9, 0.0); (637848.0, 4176892.6, 21.7, 21.7, 0.0);
(637825.9, 4176881.3, 21.6, 21.6, 0.0); (637803.8, 4176870.0, 21.5, 21.5, 0.0);
(637781.7, 4176858.7, 21.5, 21.5, 0.0); (637759.6, 4176847.4, 21.4, 21.4, 0.0);
(637737.5, 4176836.1, 21.4, 21.4, 0.0); (638058.1, 4176972.1, 21.7, 21.7, 0.0);
(638036.0, 4176960.8, 21.4, 21.4, 0.0); (638014.0, 4176949.5, 21.6, 21.6, 0.0);
(637991.9, 4176938.2, 21.3, 21.3, 0.0); (637969.8, 4176926.9, 21.7, 21.7, 0.0);
(637947.7, 4176915.5, 21.2, 21.2, 0.0); (637925.6, 4176904.2, 20.9, 20.9, 0.0);
(637903.5, 4176892.9, 21.5, 21.5, 0.0); (637881.4, 4176881.6, 21.6, 21.6, 0.0);
(637859.3, 4176870.3, 21.6, 21.6, 0.0); (637837.2, 4176859.0, 21.6, 21.6, 0.0);
(637815.2, 4176847.7, 21.6, 21.6, 0.0); (637793.1, 4176836.4, 21.6, 21.6, 0.0);
(637771.0, 4176825.1, 21.5, 21.5, 0.0); (637748.9, 4176813.8, 21.3, 21.3, 0.0);
(637693.3, 4176869.9, 20.9, 20.9, 0.0); (637672.1, 4176859.3, 21.0, 21.0, 0.0);
(637650.9, 4176848.8, 21.0, 21.0, 0.0); (637629.7, 4176838.2, 21.0, 21.0, 0.0);
(637608.5, 4176827.7, 21.1, 21.1, 0.0); (637587.3, 4176817.1, 21.2, 21.2, 0.0);
(637566.1, 4176806.5, 21.2, 21.2, 0.0); (637544.9, 4176796.0, 21.3, 21.3, 0.0);
(637523.7, 4176785.4, 21.3, 21.3, 0.0); (637502.5, 4176774.8, 21.3, 21.3, 0.0);
(637481.3, 4176764.3, 21.5, 21.5, 0.0); (637460.2, 4176753.7, 21.6, 21.6, 0.0);
(637439.0, 4176743.1, 21.6, 21.6, 0.0); (637417.8, 4176732.6, 21.7, 21.7, 0.0);
(637396.6, 4176722.0, 21.6, 21.6, 0.0); (637375.4,

```
4176711.4,      21.5,      21.5,       0.0);
     ( 637354.2, 4176700.9,      21.2,      21.2,      0.0);         ( 637333.0,
4176690.3,      21.1,      21.1,       0.0);
     ( 637704.5, 4176847.5,      21.6,      21.6,      0.0);         ( 637683.3,
4176837.0,      21.6,      21.6,       0.0);
     ( 637662.1, 4176826.4,      21.7,      21.7,      0.0);         ( 637640.9,
4176815.8,      21.8,      21.8,       0.0);
     ( 637619.7, 4176805.3,      21.7,      21.7,      0.0);         ( 637598.5,
4176794.7,      21.7,      21.7,       0.0);
     ( 637577.3, 4176784.1,      21.8,      21.8,      0.0);         ( 637556.1,
4176773.6,      21.9,      21.9,       0.0);
     ( 637534.9, 4176763.0,      21.8,      21.8,      0.0);         ( 637513.7,
4176752.5,      21.8,      21.8,       0.0);
     ( 637492.5, 4176741.9,      21.8,      21.8,      0.0);         ( 637471.3,
4176731.3,      21.7,      21.7,       0.0);
     ( 637450.1, 4176720.8,      21.7,      21.7,      0.0);         ( 637428.9,
4176710.2,      21.7,      21.7,       0.0);
     ( 637407.7, 4176699.6,      21.6,      21.6,      0.0);         ( 637386.5,
4176689.1,      21.5,      21.5,       0.0);
     ( 637365.3, 4176678.5,      21.4,      21.4,      0.0);         ( 637344.1,
4176667.9,      21.4,      21.4,       0.0);
     ( 637715.6, 4176825.2,      21.4,      21.4,      0.0);         ( 637694.4,
4176814.6,      21.3,      21.3,       0.0);
     ( 637673.2, 4176804.0,      21.7,      21.7,      0.0);         ( 637652.0,
4176793.5,      21.8,      21.8,       0.0);
     ( 637630.8, 4176782.9,      21.5,      21.5,      0.0);         ( 637609.6,
4176772.3,      21.3,      21.3,       0.0);
     ( 637588.4, 4176761.8,      21.4,      21.4,      0.0);         ( 637567.2,
4176751.2,      21.5,      21.5,       0.0);
     ( 637546.0, 4176740.6,      21.4,      21.4,      0.0);         ( 637524.8,
4176730.1,      21.4,      21.4,       0.0);
     ( 637503.7, 4176719.5,      21.3,      21.3,      0.0);         ( 637482.5,
4176709.0,      21.3,      21.3,       0.0);
     ( 637461.2, 4176698.4,      21.3,      21.3,      0.0);         ( 637440.1,
4176687.8,      21.4,      21.4,       0.0);
     ( 637418.9, 4176677.3,      21.4,      21.4,      0.0);         ( 637397.7,
4176666.7,      21.3,      21.3,       0.0);
     ( 637376.5, 4176656.1,      21.2,      21.2,      0.0);         ( 637355.3,
4176645.6,      21.2,      21.2,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637726.8, 4176802.8, 21.4, 21.4, 0.0); (637705.6, 4176792.2, 21.2, 21.2, 0.0);
(637684.4, 4176781.7, 21.6, 21.6, 0.0); (637663.2, 4176771.1, 21.8, 21.8, 0.0);
(637642.0, 4176760.5, 21.1, 21.1, 0.0); (637620.8, 4176750.0, 21.3, 21.3, 0.0);
(637599.6, 4176739.4, 21.4, 21.4, 0.0); (637578.4, 4176728.8, 21.5, 21.5, 0.0);
(637557.2, 4176718.3, 21.5, 21.5, 0.0); (637536.0, 4176707.7, 21.4, 21.4, 0.0);
(637514.8, 4176697.1, 21.3, 21.3, 0.0); (637493.6, 4176686.6, 20.9, 20.9, 0.0);
(637472.4, 4176676.0, 21.3, 21.3, 0.0); (637451.2, 4176665.4, 21.5, 21.5, 0.0);
(637430.0, 4176654.9, 21.3, 21.3, 0.0); (637408.8, 4176644.3, 21.3, 21.3, 0.0);
(637387.6, 4176633.8, 21.3, 21.3, 0.0); (637366.4, 4176623.2, 21.3, 21.3, 0.0);
(637311.3, 4176679.5, 21.1, 21.1, 0.0); (637289.6, 4176668.6, 21.1, 21.1, 0.0);
(637267.9, 4176657.7, 20.9, 20.9, 0.0); (637246.2, 4176646.8, 20.7, 20.7, 0.0);
(637224.5, 4176635.9, 20.8, 21.9, 0.0); (637202.8, 4176625.0, 22.1, 22.1, 0.0);
(637181.1, 4176614.1, 20.7, 20.7, 0.0); (637159.4, 4176603.2, 20.6, 20.6, 0.0);
(637137.7, 4176592.3, 20.7, 20.7, 0.0); (637116.0, 4176581.4, 20.6, 20.6, 0.0);
(637094.3, 4176570.5, 20.4, 20.4, 0.0); (637072.6, 4176559.6, 20.4, 20.4, 0.0);
(637050.9, 4176548.7, 20.4, 20.4, 0.0); (637029.2, 4176537.8, 20.4, 20.4, 0.0);
(637007.5, 4176526.9, 20.5, 20.5, 0.0); (636985.8, 4176516.0, 20.5, 20.5, 0.0);
(636964.1, 4176505.1, 20.5, 20.5, 0.0); (636942.4, 4176494.2, 20.5, 20.5, 0.0);
(636920.7, 4176483.3, 20.5, 20.5, 0.0); (636899.0, 4176472.4, 20.6, 20.6, 0.0);
(636877.3, 4176461.5, 20.5, 20.5, 0.0); (637322.6, 4176657.1, 21.4, 21.4, 0.0);
(637300.8, 4176646.2, 21.4, 21.4, 0.0); (637279.1, 4176635.3, 21.5, 21.5, 0.0);
(637257.4, 4176624.4, 21.3, 21.5, 0.0); (637235.7, 4176613.5, 21.1, 21.3, 0.0);
(637214.0, 4176602.6, 21.7, 21.7, 0.0); (637192.3, 4176591.7, 21.0, 21.0, 0.0);
(637170.6, 4176580.8, 20.9, 20.9, 0.0); (637148.9, 4176569.9, 20.9, 20.9, 0.0);
(637127.2, 4176559.0, 20.6, 20.6, 0.0); (637105.5, 4176548.2, 20.4, 20.4, 0.0);
(637083.8, 4176537.3, 20.5, 20.5, 0.0); (637062.1,

```
4176526.4,      20.6,      20.6,       0.0);
     ( 637040.4, 4176515.5,      20.8,      20.8,       0.0);         ( 637018.7,
4176504.6,      20.8,      20.8,       0.0);
     ( 636997.0, 4176493.7,      20.8,      20.8,       0.0);         ( 636975.3,
4176482.8,      20.8,      20.8,       0.0);
     ( 636953.6, 4176471.9,      20.9,      20.9,       0.0);         ( 636931.9,
4176461.0,      20.9,      20.9,       0.0);
     ( 636910.2, 4176450.1,      20.8,      20.8,       0.0);         ( 636888.5,
4176439.2,      20.8,      20.8,       0.0);
     ( 637333.8, 4176634.8,      21.3,      21.3,       0.0);         ( 637312.1,
4176623.9,      21.3,      21.3,       0.0);
     ( 637290.4, 4176613.0,      21.2,      21.2,       0.0);         ( 637268.7,
4176602.1,      20.6,      21.0,       0.0);
     ( 637247.0, 4176591.2,      20.9,      20.9,       0.0);         ( 637225.2,
4176580.3,      21.3,      21.3,       0.0);
     ( 637203.6, 4176569.4,      21.6,      21.6,       0.0);         ( 637181.8,
4176558.5,      21.2,      21.2,       0.0);
     ( 637160.1, 4176547.6,      21.4,      21.4,       0.0);         ( 637138.4,
4176536.7,      21.4,      21.4,       0.0);
     ( 637116.7, 4176525.8,      20.6,      20.6,       0.0);         ( 637095.0,
4176514.9,      20.7,      20.7,       0.0);
     ( 637073.3, 4176504.0,      20.7,      20.7,       0.0);         ( 637051.6,
4176493.1,      20.4,      20.4,       0.0);
     ( 637029.9, 4176482.2,      20.6,      20.6,       0.0);         ( 637008.2,
4176471.3,      20.7,      20.7,       0.0);
     ( 636986.5, 4176460.4,      20.7,      20.7,       0.0);         ( 636964.8,
4176449.5,      20.6,      20.6,       0.0);
     ( 636943.1, 4176438.6,      20.6,      20.6,       0.0);         ( 636921.4,
4176427.8,      20.7,      20.7,       0.0);
     ( 636899.7, 4176416.9,      20.6,      20.6,       0.0);         ( 637345.0,
4176612.4,      21.2,      21.2,       0.0);
     ( 637323.3, 4176601.5,      21.2,      21.2,       0.0);         ( 637301.6,
4176590.6,      21.3,      21.3,       0.0);
     ( 637279.9, 4176579.7,      19.7,      21.3,       0.0);         ( 637258.2,
4176568.8,      20.9,      20.9,       0.0);
     ( 637236.5, 4176557.9,      21.4,      21.4,       0.0);         ( 637214.8,
4176547.0,      21.4,      21.4,       0.0);
     ( 637193.1, 4176536.2,      21.2,      21.2,       0.0);         ( 637171.4,
4176525.3,      21.1,      21.1,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637149.7, 4176514.4, 21.5, 21.5, 0.0); (637128.0, 4176503.5, 20.8, 20.8, 0.0);
(637106.2, 4176492.6, 20.9, 20.9, 0.0); (637084.5, 4176481.7, 20.7, 20.7, 0.0);
(637062.8, 4176470.8, 20.6, 20.6, 0.0); (637041.1, 4176459.9, 20.7, 20.7, 0.0);
(637019.4, 4176449.0, 20.8, 20.8, 0.0); (636997.7, 4176438.1, 20.9, 20.9, 0.0);
(636976.0, 4176427.2, 20.7, 20.7, 0.0); (636954.3, 4176416.3, 20.8, 20.8, 0.0);
(636932.6, 4176405.4, 21.0, 21.0, 0.0); (636910.9, 4176394.5, 20.8, 20.8, 0.0);
(636855.8, 4176450.7, 20.5, 20.5, 0.0); (636834.2, 4176439.8, 20.5, 20.5, 0.0);
(636812.7, 4176429.0, 20.7, 20.7, 0.0); (636791.1, 4176418.1, 20.7, 20.7, 0.0);
(636769.6, 4176407.2, 20.7, 20.7, 0.0); (636748.0, 4176396.4, 20.5, 20.5, 0.0);
(636726.5, 4176385.5, 20.6, 20.6, 0.0); (636704.9, 4176374.6, 20.6, 20.6, 0.0);
(636683.4, 4176363.8, 20.6, 20.6, 0.0); (636661.8, 4176352.9, 20.6, 20.6, 0.0);
(636640.3, 4176342.0, 20.5, 20.5, 0.0); (636618.8, 4176331.2, 20.6, 20.6, 0.0);
(636597.2, 4176320.3, 20.6, 20.6, 0.0); (636575.7, 4176309.4, 20.7, 20.7, 0.0);
(636554.1, 4176298.6, 20.6, 20.6, 0.0); (636532.6, 4176287.7, 20.7, 20.7, 0.0);
(636511.0, 4176276.8, 20.7, 20.7, 0.0); (636489.5, 4176266.0, 20.7, 20.7, 0.0);
(636467.9, 4176255.1, 20.7, 20.7, 0.0); (636446.4, 4176244.2, 20.8, 20.8, 0.0);
(636424.8, 4176233.4, 20.8, 20.8, 0.0); (636403.3, 4176222.5, 20.8, 20.8, 0.0);
(636381.7, 4176211.6, 20.9, 20.9, 0.0); (636360.2, 4176200.8, 21.1, 21.1, 0.0);
(636338.6, 4176189.9, 21.5, 21.5, 0.0); (636867.0, 4176428.4, 20.8, 20.8, 0.0);
(636845.5, 4176417.5, 20.9, 20.9, 0.0); (636823.9, 4176406.6, 21.0, 21.0, 0.0);
(636802.4, 4176395.8, 21.1, 21.1, 0.0); (636780.8, 4176384.9, 21.2, 21.2, 0.0);
(636759.3, 4176374.0, 20.9, 20.9, 0.0); (636737.7, 4176363.2, 20.8, 20.8, 0.0);
(636716.2, 4176352.3, 20.8, 20.8, 0.0); (636694.6, 4176341.4, 20.7, 20.7, 0.0);
(636673.1, 4176330.6, 20.7, 20.7, 0.0); (636651.6, 4176319.7, 20.7, 20.7, 0.0);
(636630.0, 4176308.8, 20.7, 20.7, 0.0); (636608.5, 4176298.0, 20.8, 20.8, 0.0);
(636586.9, 4176287.1, 20.9, 20.9, 0.0); (636565.4,

```
4176276.2,      21.1,      21.1,       0.0);
     ( 636543.8, 4176265.4,      21.1,      21.1,       0.0);         ( 636522.3,
4176254.5,      21.1,      21.1,       0.0);
     ( 636500.7, 4176243.6,      21.2,      21.2,       0.0);         ( 636479.2,
4176232.8,      21.3,      21.3,       0.0);
     ( 636457.6, 4176221.9,      21.4,      21.4,       0.0);         ( 636436.1,
4176211.0,      21.6,      21.6,       0.0);
     ( 636414.5, 4176200.2,      21.9,      21.9,       0.0);         ( 636393.0,
4176189.3,      21.9,      21.9,       0.0);
     ( 636371.4, 4176178.4,      21.8,      21.8,       0.0);         ( 636349.9,
4176167.6,      21.5,      21.5,       0.0);
     ( 636878.3, 4176406.0,      20.6,      20.6,       0.0);         ( 636856.7,
4176395.2,      20.7,      20.7,       0.0);
     ( 636835.2, 4176384.3,      20.9,      20.9,       0.0);         ( 636813.6,
4176373.4,      20.9,      20.9,       0.0);
     ( 636792.1, 4176362.6,      21.2,      21.2,       0.0);         ( 636770.5,
4176351.7,      21.0,      21.0,       0.0);
     ( 636749.0, 4176340.9,      20.6,      20.6,       0.0);         ( 636727.5,
4176330.0,      20.5,      20.5,       0.0);
     ( 636705.9, 4176319.1,      20.5,      20.5,       0.0);         ( 636684.4,
4176308.3,      20.5,      20.5,       0.0);
     ( 636662.8, 4176297.4,      20.5,      20.5,       0.0);         ( 636641.3,
4176286.5,      20.5,      20.5,       0.0);
     ( 636619.7, 4176275.7,      20.6,      20.6,       0.0);         ( 636598.2,
4176264.8,      20.7,      20.7,       0.0);
     ( 636576.6, 4176253.9,      20.8,      20.8,       0.0);         ( 636555.1,
4176243.1,      20.8,      20.8,       0.0);
     ( 636533.5, 4176232.2,      20.9,      20.9,       0.0);         ( 636512.0,
4176221.3,      21.0,      21.0,       0.0);
     ( 636490.4, 4176210.5,      21.1,      21.1,       0.0);         ( 636468.9,
4176199.6,      21.1,      21.1,       0.0);
     ( 636447.3, 4176188.7,      21.6,      21.6,       0.0);         ( 636425.8,
4176177.9,      22.0,      22.0,       0.0);
     ( 636404.2, 4176167.0,      21.7,      21.7,       0.0);         ( 636382.7,
4176156.1,      21.6,      21.6,       0.0);
     ( 636361.2, 4176145.3,      21.9,      21.9,       0.0);         ( 636889.5,
4176383.7,      20.7,      20.7,       0.0);
     ( 636868.0, 4176372.9,      20.9,      20.9,       0.0);         ( 636846.4,
4176362.0,      21.1,      21.1,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(636824.9, 4176351.1, 20.9, 20.9, 0.0); (636803.4, 4176340.3, 21.2, 21.2, 0.0);
(636781.8, 4176329.4, 21.0, 21.0, 0.0); (636760.2, 4176318.5, 20.6, 20.6, 0.0);
(636738.7, 4176307.7, 20.6, 20.6, 0.0); (636717.2, 4176296.8, 20.8, 20.8, 0.0);
(636695.6, 4176285.9, 20.6, 20.6, 0.0); (636674.1, 4176275.1, 20.6, 20.6, 0.0);
(636652.5, 4176264.2, 20.8, 20.8, 0.0); (636631.0, 4176253.3, 21.0, 21.0, 0.0);
(636609.4, 4176242.5, 20.6, 20.6, 0.0); (636587.9, 4176231.6, 21.0, 21.0, 0.0);
(636566.3, 4176220.7, 21.0, 21.0, 0.0); (636544.8, 4176209.9, 21.0, 21.0, 0.0);
(636523.2, 4176199.0, 21.1, 21.1, 0.0); (636501.7, 4176188.1, 21.4, 21.4, 0.0);
(636480.1, 4176177.3, 21.0, 21.0, 0.0); (636458.6, 4176166.4, 21.5, 21.5, 0.0);
(636437.1, 4176155.5, 21.8, 21.8, 0.0); (636415.5, 4176144.7, 21.7, 21.7, 0.0);
(636394.0, 4176133.8, 21.4, 21.4, 0.0); (636372.4, 4176122.9, 22.0, 22.0, 0.0);
(636311.8, 4176274.7, 20.8, 20.8, 0.0); (636333.6, 4176285.8, 21.4, 21.4, 0.0);
(636355.4, 4176296.8, 20.6, 20.6, 0.0); (636377.1, 4176307.8, 20.3, 20.3, 0.0);
(636398.9, 4176318.8, 20.2, 20.2, 0.0); (636420.7, 4176329.9, 20.2, 20.2, 0.0);
(636442.5, 4176340.9, 20.2, 20.2, 0.0); (636464.3, 4176351.9, 20.1, 20.1, 0.0);
(636486.1, 4176362.9, 20.2, 20.2, 0.0); (636507.9, 4176373.9, 20.2, 20.2, 0.0);
(636529.7, 4176385.0, 20.2, 20.2, 0.0); (636551.5, 4176396.0, 20.2, 20.2, 0.0);
(636573.3, 4176407.0, 20.1, 20.1, 0.0); (636595.1, 4176418.0, 20.1, 20.1, 0.0);
(636616.9, 4176429.1, 20.1, 20.1, 0.0); (636638.6, 4176440.1, 20.1, 20.1, 0.0);
(636660.4, 4176451.1, 20.2, 20.2, 0.0); (636682.2, 4176462.1, 20.0, 20.0, 0.0);
(636704.0, 4176473.2, 20.0, 20.0, 0.0); (636725.8, 4176484.2, 19.8, 19.8, 0.0);
(636747.6, 4176495.2, 19.8, 19.8, 0.0); (636769.4, 4176506.2, 20.0, 20.0, 0.0);
(636791.2, 4176517.3, 20.0, 20.0, 0.0); (636813.0, 4176528.3, 20.2, 20.2, 0.0);
(636834.8, 4176539.3, 20.3, 20.3, 0.0); (636856.6, 4176550.3, 20.2, 20.2, 0.0);
(636878.3, 4176561.3, 20.3, 20.3, 0.0); (636900.1, 4176572.4, 20.3, 20.3, 0.0);
(636921.9, 4176583.4, 20.3, 20.3, 0.0); (636943.7,

```
4176594.4,      20.3,      20.3,       0.0);
     ( 636965.5, 4176605.4,      20.2,      20.2,       0.0);         ( 636987.3,
4176616.5,      20.2,      20.2,       0.0);
     ( 637009.1, 4176627.5,      20.4,      20.4,       0.0);         ( 637030.9,
4176638.5,      20.5,      20.5,       0.0);
     ( 637052.7, 4176649.5,      20.4,      20.4,       0.0);         ( 637074.5,
4176660.6,      20.4,      20.4,       0.0);
     ( 637096.2, 4176671.6,      20.4,      20.4,       0.0);         ( 637118.0,
4176682.6,      20.6,      20.6,       0.0);
     ( 637139.8, 4176693.6,      21.2,      21.2,       0.0);         ( 636289.8,
4176286.7,      20.6,      20.6,       0.0);
     ( 636322.3, 4176308.1,      20.8,      20.8,       0.0);         ( 636344.1,
4176319.1,      20.6,      20.6,       0.0);
     ( 636365.9, 4176330.1,      20.1,      20.1,       0.0);         ( 636387.7,
4176341.1,      20.1,      20.1,       0.0);
     ( 636409.4, 4176352.2,      20.1,      20.1,       0.0);         ( 636431.2,
4176363.2,      19.9,      19.9,       0.0);
     ( 636453.0, 4176374.2,      19.9,      19.9,       0.0);         ( 636474.8,
4176385.2,      19.9,      19.9,       0.0);
     ( 636496.6, 4176396.3,      19.8,      19.8,       0.0);         ( 636518.4,
4176407.3,      19.8,      19.8,       0.0);
     ( 636540.2, 4176418.3,      19.8,      19.8,       0.0);         ( 636562.0,
4176429.3,      19.9,      19.9,       0.0);
     ( 636583.8, 4176440.4,      19.8,      19.8,       0.0);         ( 636605.6,
4176451.4,      19.8,      19.8,       0.0);
     ( 636627.4, 4176462.4,      19.9,      19.9,       0.0);         ( 636649.1,
4176473.4,      19.8,      19.8,       0.0);
     ( 636670.9, 4176484.4,      19.9,      19.9,       0.0);         ( 636692.7,
4176495.5,      19.9,      19.9,       0.0);
     ( 636714.5, 4176506.5,      19.8,      19.8,       0.0);         ( 636736.3,
4176517.5,      19.8,      19.8,       0.0);
     ( 636758.1, 4176528.5,      19.9,      19.9,       0.0);         ( 636779.9,
4176539.6,      19.9,      19.9,       0.0);
     ( 636801.7, 4176550.6,      20.0,      20.0,       0.0);         ( 636823.5,
4176561.6,      20.1,      20.1,       0.0);
     ( 636845.3, 4176572.6,      20.1,      20.1,       0.0);         ( 636867.1,
4176583.7,      20.2,      20.2,       0.0);
     ( 636888.9, 4176594.7,      20.1,      20.1,       0.0);         ( 636910.6,
4176605.7,      20.1,      20.1,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(636932.4, 4176616.7, 20.1, 20.1, 0.0); (636954.2, 4176627.8, 19.9, 19.9, 0.0);
(636976.0, 4176638.8, 19.9, 19.9, 0.0); (636997.8, 4176649.8, 19.8, 19.8, 0.0);
(637019.6, 4176660.8, 19.8, 19.8, 0.0); (637041.4, 4176671.8, 19.8, 19.8, 0.0);
(637063.2, 4176682.9, 20.1, 20.1, 0.0); (637085.0, 4176693.9, 19.6, 19.6, 0.0);
(637106.8, 4176704.9, 20.1, 20.1, 0.0); (637128.6, 4176715.9, 21.0, 21.0, 0.0);
(636273.2, 4176303.8, 19.9, 19.9, 0.0); (636311.0, 4176330.4, 20.6, 20.6, 0.0);
(636332.8, 4176341.4, 20.7, 20.7, 0.0); (636354.6, 4176352.4, 20.0, 20.0, 0.0);
(636376.4, 4176363.4, 19.7, 19.7, 0.0); (636398.2, 4176374.5, 19.6, 19.6, 0.0);
(636420.0, 4176385.5, 19.5, 19.5, 0.0); (636441.7, 4176396.5, 19.4, 19.4, 0.0);
(636463.5, 4176407.5, 19.4, 19.4, 0.0); (636485.3, 4176418.6, 19.3, 19.3, 0.0);
(636507.1, 4176429.6, 19.2, 19.2, 0.0); (636528.9, 4176440.6, 19.2, 19.2, 0.0);
(636550.7, 4176451.6, 19.1, 19.1, 0.0); (636572.5, 4176462.7, 19.0, 19.0, 0.0);
(636594.3, 4176473.7, 19.4, 19.4, 0.0); (636616.1, 4176484.7, 19.8, 19.8, 0.0);
(636637.9, 4176495.7, 19.6, 19.6, 0.0); (636659.7, 4176506.8, 19.4, 19.4, 0.0);
(636681.4, 4176517.8, 19.9, 19.9, 0.0); (636703.2, 4176528.8, 19.7, 19.7, 0.0);
(636725.0, 4176539.8, 19.2, 19.2, 0.0); (636746.8, 4176550.8, 19.3, 19.3, 0.0);
(636768.6, 4176561.9, 19.4, 19.4, 0.0); (636790.4, 4176572.9, 19.4, 19.4, 0.0);
(636812.2, 4176583.9, 19.5, 19.5, 0.0); (636834.0, 4176594.9, 19.6, 19.6, 0.0);
(636855.8, 4176606.0, 19.7, 19.7, 0.0); (636877.6, 4176617.0, 19.6, 19.6, 0.0);
(636899.4, 4176628.0, 19.5, 19.5, 0.0); (636921.1, 4176639.0, 19.4, 19.4, 0.0);
(636942.9, 4176650.1, 19.4, 19.4, 0.0); (636964.7, 4176661.1, 19.3, 19.3, 0.0);
(636986.5, 4176672.1, 19.3, 19.3, 0.0); (637008.3, 4176683.1, 19.6, 19.6, 0.0);
(637030.1, 4176694.2, 19.9, 19.9, 0.0); (637051.9, 4176705.2, 19.9, 19.9, 0.0);
(637073.7, 4176716.2, 19.3, 19.3, 0.0); (637095.5, 4176727.2, 19.9, 19.9, 0.0);
(637117.3, 4176738.2, 20.4, 20.4, 0.0); (636263.7, 4176327.8, 19.6, 19.6, 0.0);
(636299.7, 4176352.7, 20.2, 20.2, 0.0); (636321.5,

```
4176363.7,      20.3,      20.3,       0.0);
     ( 636343.3, 4176374.7,      20.1,      20.1,       0.0);         ( 636365.1,
4176385.8,      19.9,      19.9,       0.0);
     ( 636386.9, 4176396.8,      19.8,      19.8,       0.0);         ( 636408.7,
4176407.8,      19.5,      19.5,       0.0);
     ( 636430.5, 4176418.8,      19.9,      19.9,       0.0);         ( 636452.2,
4176429.9,      19.9,      19.9,       0.0);
     ( 636474.0, 4176440.9,      19.8,      19.8,       0.0);         ( 636495.8,
4176451.9,      19.7,      19.7,       0.0);
     ( 636517.6, 4176462.9,      19.6,      19.6,       0.0);         ( 636539.4,
4176473.9,      19.6,      19.6,       0.0);
     ( 636561.2, 4176485.0,      19.2,      19.2,       0.0);         ( 636583.0,
4176496.0,      19.3,      19.3,       0.0);
     ( 636604.8, 4176507.0,      19.7,      19.7,       0.0);         ( 636626.6,
4176518.0,      19.6,      19.6,       0.0);
     ( 636648.4, 4176529.1,      19.4,      19.4,       0.0);         ( 636670.2,
4176540.1,      19.8,      19.8,       0.0);
     ( 636692.0, 4176551.1,      19.7,      19.7,       0.0);         ( 636713.7,
4176562.1,      19.1,      19.1,       0.0);
     ( 636735.5, 4176573.2,      19.8,      19.8,       0.0);         ( 636757.3,
4176584.2,      20.0,      20.0,       0.0);
     ( 636779.1, 4176595.2,      20.0,      20.0,       0.0);         ( 636800.9,
4176606.2,      20.0,      20.0,       0.0);
     ( 636822.7, 4176617.2,      20.1,      20.1,       0.0);         ( 636844.5,
4176628.3,      20.1,      20.1,       0.0);
     ( 636866.3, 4176639.3,      20.2,      20.2,       0.0);         ( 636888.1,
4176650.3,      20.1,      20.1,       0.0);
     ( 636909.9, 4176661.3,      20.0,      20.0,       0.0);         ( 636931.7,
4176672.4,      19.9,      19.9,       0.0);
     ( 636953.4, 4176683.4,      19.8,      19.8,       0.0);         ( 636975.2,
4176694.4,      19.7,      19.7,       0.0);
     ( 636997.0, 4176705.4,      19.3,      19.3,       0.0);         ( 637018.8,
4176716.5,      19.1,      19.1,       0.0);
     ( 637040.6, 4176727.5,      19.4,      19.4,       0.0);         ( 637062.4,
4176738.5,      19.3,      19.3,       0.0);
     ( 637084.2, 4176749.5,      19.7,      19.7,       0.0);         ( 637106.0,
4176760.6,      19.9,      19.9,       0.0);
     ( 637161.7, 4176704.4,      21.9,      21.9,       0.0);         ( 637183.3,
4176714.9,      19.0,      22.2,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637204.9, 4176725.5, 20.0, 20.0, 0.0); (637226.5, 4176736.1, 20.2, 20.2, 0.0);
(637248.1, 4176746.7, 20.4, 20.4, 0.0); (637269.7, 4176757.3, 20.5, 20.5, 0.0);
(637291.3, 4176767.9, 20.5, 20.5, 0.0); (637312.9, 4176778.5, 20.5, 20.5, 0.0);
(637334.5, 4176789.1, 20.6, 20.6, 0.0); (637356.1, 4176799.7, 20.6, 20.6, 0.0);
(637377.7, 4176810.3, 20.7, 20.7, 0.0); (637399.3, 4176820.8, 20.6, 20.6, 0.0);
(637420.9, 4176831.4, 20.6, 20.6, 0.0); (637150.7, 4176726.8, 21.3, 21.3, 0.0);
(637172.3, 4176737.4, 19.0, 21.6, 0.0); (637193.9, 4176748.0, 20.0, 20.0, 0.0);
(637215.5, 4176758.6, 19.9, 19.9, 0.0); (637237.1, 4176769.2, 20.0, 20.0, 0.0);
(637258.7, 4176779.8, 20.1, 20.1, 0.0); (637280.3, 4176790.3, 20.2, 20.2, 0.0);
(637301.9, 4176800.9, 20.3, 20.3, 0.0); (637323.5, 4176811.5, 20.3, 20.3, 0.0);
(637345.1, 4176822.1, 20.4, 20.4, 0.0); (637366.7, 4176832.7, 20.5, 20.5, 0.0);
(637388.3, 4176843.3, 20.3, 20.3, 0.0); (637409.9, 4176853.9, 20.1, 20.1, 0.0);
(637139.7, 4176749.3, 20.5, 20.5, 0.0); (637161.3, 4176759.8, 19.4, 19.4, 0.0);
(637182.9, 4176770.4, 19.7, 19.7, 0.0); (637204.5, 4176781.0, 19.2, 19.2, 0.0);
(637226.1, 4176791.6, 19.4, 19.4, 0.0); (637247.7, 4176802.2, 19.4, 19.4, 0.0);
(637269.3, 4176812.8, 19.5, 19.5, 0.0); (637290.9, 4176823.4, 19.6, 19.6, 0.0);
(637312.5, 4176834.0, 19.7, 19.7, 0.0); (637334.1, 4176844.6, 19.8, 19.8, 0.0);
(637355.7, 4176855.1, 19.9, 19.9, 0.0); (637377.3, 4176865.7, 19.8, 19.8, 0.0);
(637398.9, 4176876.3, 19.7, 19.7, 0.0); (637128.7, 4176771.7, 19.4, 19.4, 0.0);
(637150.3, 4176782.3, 19.8, 19.8, 0.0); (637171.9, 4176792.9, 19.6, 19.6, 0.0);
(637193.5, 4176803.5, 19.3, 19.3, 0.0); (637215.1, 4176814.1, 19.9, 19.9, 0.0);
(637236.7, 4176824.6, 20.0, 20.0, 0.0); (637258.3, 4176835.2, 20.0, 20.0, 0.0);
(637279.9, 4176845.8, 20.1, 20.1, 0.0); (637301.5, 4176856.4, 20.1, 20.1, 0.0);
(637323.1, 4176867.0, 20.2, 20.2, 0.0); (637344.7, 4176877.6, 20.3, 20.3, 0.0);
(637366.3, 4176888.2, 20.3, 20.3, 0.0); (637387.9, 4176898.8, 20.1, 20.1, 0.0);
(637442.9, 4176842.6, 20.4, 20.4, 0.0); (637465.2,

```
4176853.9,      20.5,      20.5,       0.0);
     ( 637487.5, 4176865.2,      20.5,      20.5,       0.0);         ( 637509.8,
4176876.5,      20.5,      20.5,       0.0);
     ( 637532.1, 4176887.8,      20.6,      20.6,       0.0);         ( 637554.4,
4176899.0,      20.4,      20.4,       0.0);
     ( 637576.7, 4176910.3,      20.2,      20.2,       0.0);         ( 637599.0,
4176921.6,      20.3,      20.3,       0.0);
     ( 637621.3, 4176932.9,      20.2,      20.2,       0.0);         ( 637643.6,
4176944.2,      20.2,      20.2,       0.0);
     ( 637665.9, 4176955.5,      20.1,      20.1,       0.0);         ( 637688.2,
4176966.8,      20.1,      20.1,       0.0);
     ( 637710.5, 4176978.1,      20.1,      20.1,       0.0);         ( 637732.8,
4176989.4,      20.2,      20.2,       0.0);
     ( 637755.1, 4177000.7,      20.2,      20.2,       0.0);         ( 637777.4,
4177012.0,      20.4,      20.4,       0.0);
     ( 637799.6, 4177023.3,      20.1,      20.1,       0.0);         ( 637821.9,
4177034.6,      20.0,      20.0,       0.0);
     ( 637844.2, 4177045.8,      20.1,      20.1,       0.0);         ( 637866.5,
4177057.1,      20.1,      20.1,       0.0);
     ( 637431.6, 4176864.9,      20.1,      20.1,       0.0);         ( 637453.9,
4176876.2,      20.2,      20.2,       0.0);
     ( 637476.2, 4176887.5,      20.2,      20.2,       0.0);         ( 637498.5,
4176898.8,      20.3,      20.3,       0.0);
     ( 637520.8, 4176910.1,      20.3,      20.3,       0.0);         ( 637543.1,
4176921.3,      20.2,      20.2,       0.0);
     ( 637565.4, 4176932.6,      20.3,      20.3,       0.0);         ( 637587.7,
4176943.9,      20.3,      20.3,       0.0);
     ( 637610.0, 4176955.2,      20.3,      20.3,       0.0);         ( 637632.3,
4176966.5,      20.2,      20.2,       0.0);
     ( 637654.6, 4176977.8,      20.1,      20.1,       0.0);         ( 637676.9,
4176989.1,      20.2,      20.2,       0.0);
     ( 637699.2, 4177000.4,      20.1,      20.1,       0.0);         ( 637721.5,
4177011.7,      20.1,      20.1,       0.0);
     ( 637743.8, 4177023.0,      20.0,      20.0,       0.0);         ( 637766.1,
4177034.3,      20.1,      20.1,       0.0);
     ( 637788.4, 4177045.6,      20.0,      20.0,       0.0);         ( 637810.6,
4177056.9,      19.9,      19.9,       0.0);
     ( 637832.9, 4177068.2,      20.0,      20.0,       0.0);         ( 637855.2,
4177079.4,      20.0,      20.0,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637420.3, 4176887.2, 19.5, 19.5, 0.0); (637442.6, 4176898.5, 19.5, 19.5, 0.0);
(637464.9, 4176909.8, 19.6, 19.6, 0.0); (637487.2, 4176921.1, 19.6, 19.6, 0.0);
(637509.5, 4176932.4, 19.7, 19.7, 0.0); (637531.8, 4176943.7, 19.7, 19.7, 0.0);
(637554.1, 4176954.9, 19.8, 19.8, 0.0); (637576.4, 4176966.2, 19.9, 19.9, 0.0);
(637598.7, 4176977.5, 19.9, 19.9, 0.0); (637621.0, 4176988.8, 19.9, 19.9, 0.0);
(637643.3, 4177000.1, 19.8, 19.8, 0.0); (637665.6, 4177011.4, 19.8, 19.8, 0.0);
(637687.9, 4177022.7, 19.7, 19.7, 0.0); (637710.2, 4177034.0, 19.8, 19.8, 0.0);
(637732.5, 4177045.3, 19.6, 19.6, 0.0); (637754.8, 4177056.6, 20.0, 20.0, 0.0);
(637777.1, 4177067.9, 19.9, 19.9, 0.0); (637799.4, 4177079.2, 19.9, 19.9, 0.0);
(637821.7, 4177090.5, 19.9, 19.9, 0.0); (637843.9, 4177101.8, 20.0, 20.0, 0.0);
(637409.0, 4176909.5, 19.7, 19.7, 0.0); (637431.3, 4176920.8, 19.6, 19.6, 0.0);
(637453.6, 4176932.1, 20.1, 20.1, 0.0); (637475.9, 4176943.4, 20.0, 20.0, 0.0);
(637498.2, 4176954.7, 20.1, 20.1, 0.0); (637520.5, 4176966.0, 19.7, 19.7, 0.0);
(637542.8, 4176977.2, 19.9, 19.9, 0.0); (637565.1, 4176988.5, 20.1, 20.1, 0.0);
(637587.4, 4176999.8, 20.1, 20.1, 0.0); (637609.7, 4177011.1, 20.1, 20.1, 0.0);
(637632.0, 4177022.4, 20.1, 20.1, 0.0); (637654.3, 4177033.7, 20.1, 20.1, 0.0);
(637676.6, 4177045.0, 20.0, 20.0, 0.0); (637698.9, 4177056.3, 19.6, 19.6, 0.0);
(637721.2, 4177067.6, 19.5, 19.5, 0.0); (637743.5, 4177078.9, 19.8, 19.8, 0.0);
(637765.8, 4177090.2, 20.2, 20.2, 0.0); (637788.1, 4177101.5, 19.8, 19.8, 0.0);
(637810.4, 4177112.8, 19.9, 19.9, 0.0); (637832.7, 4177124.0, 19.9, 19.9, 0.0);
(637902.3, 4177074.8, 20.2, 20.2, 0.0); (637937.8, 4177092.3, 21.1, 21.1, 0.0);
(637891.2, 4177097.2, 19.7, 19.7, 0.0); (637926.8, 4177114.7, 20.7, 20.7, 0.0);
(637880.2, 4177119.6, 19.8, 19.8, 0.0); (637915.7, 4177137.1, 20.1, 20.1, 0.0);
(637869.1, 4177142.0, 19.9, 19.9, 0.0); (637904.7, 4177159.6, 19.9, 19.9, 0.0);
(637958.2, 4177145.7, 20.1, 20.1, 0.0); (637979.5, 4177156.5, 20.1, 20.1, 0.0);
(638000.8, 4177167.3, 19.8, 19.8, 0.0); (638022.1,

```
4177178.1,      19.9,      19.9,       0.0);
     ( 638043.4, 4177188.9,      20.0,      20.0,       0.0);         ( 638064.7,
4177199.8,      20.1,      20.1,       0.0);
     ( 638086.0, 4177210.6,      20.1,      20.1,       0.0);         ( 638107.3,
4177221.4,      20.0,      20.0,       0.0);
     ( 638128.6, 4177232.2,      19.9,      19.9,       0.0);         ( 638149.9,
4177243.0,      19.8,      19.8,       0.0);
     ( 638171.2, 4177253.8,      19.9,      19.9,       0.0);         ( 638192.5,
4177264.6,      20.0,      20.0,       0.0);
     ( 638213.8, 4177275.4,      20.1,      20.1,       0.0);         ( 638235.1,
4177286.2,      20.2,      20.2,       0.0);
     ( 638256.4, 4177297.0,      20.1,      20.1,       0.0);         ( 638277.8,
4177307.8,      20.0,      20.0,       0.0);
     ( 637946.9, 4177168.0,      20.0,      20.0,       0.0);         ( 637968.2,
4177178.8,      19.9,      19.9,       0.0);
     ( 637989.5, 4177189.6,      19.6,      19.6,       0.0);         ( 638010.8,
4177200.4,      20.2,      20.2,       0.0);
     ( 638032.1, 4177211.2,      20.3,      20.3,       0.0);         ( 638053.4,
4177222.0,      20.3,      20.3,       0.0);
     ( 638074.7, 4177232.8,      20.4,      20.4,       0.0);         ( 638096.0,
4177243.7,      20.3,      20.3,       0.0);
     ( 638117.3, 4177254.5,      20.2,      20.2,       0.0);         ( 638138.6,
4177265.3,      20.0,      20.0,       0.0);
     ( 638159.9, 4177276.1,      20.1,      20.1,       0.0);         ( 638181.2,
4177286.9,      20.3,      20.3,       0.0);
     ( 638202.5, 4177297.7,      20.4,      20.4,       0.0);         ( 638223.8,
4177308.5,      20.5,      20.5,       0.0);
     ( 638245.1, 4177319.3,      20.5,      20.5,       0.0);         ( 638266.4,
4177330.1,      20.2,      20.2,       0.0);
     ( 637935.6, 4177190.3,      19.5,      19.5,       0.0);         ( 637956.9,
4177201.1,      19.9,      19.9,       0.0);
     ( 637978.2, 4177211.9,      19.6,      19.6,       0.0);         ( 637999.5,
4177222.7,      19.7,      19.7,       0.0);
     ( 638020.8, 4177233.5,      19.9,      19.9,       0.0);         ( 638042.1,
4177244.3,      20.0,      20.0,       0.0);
     ( 638063.4, 4177255.1,      20.1,      20.1,       0.0);         ( 638084.7,
4177266.0,      20.1,      20.1,       0.0);
     ( 638106.0, 4177276.8,      20.2,      20.2,       0.0);         ( 638127.3,
4177287.6,      19.8,      19.8,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638148.6, 4177298.4, 19.8, 19.8, 0.0); (638169.9, 4177309.2, 20.3, 20.3, 0.0);
(638191.2, 4177320.0, 20.0, 20.0, 0.0); (638212.5, 4177330.8, 20.1, 20.1, 0.0);
(638233.8, 4177341.6, 20.2, 20.2, 0.0); (638255.1, 4177352.4, 19.8, 19.8, 0.0);
(637889.5, 4177189.3, 19.7, 19.7, 0.0); (637924.3, 4177212.6, 19.4, 19.4, 0.0);
(637945.6, 4177223.4, 19.3, 19.3, 0.0); (637966.9, 4177234.2, 19.2, 19.2, 0.0);
(637988.2, 4177245.0, 19.2, 19.2, 0.0); (638009.5, 4177255.8, 19.5, 19.5, 0.0);
(638030.8, 4177266.6, 19.6, 19.6, 0.0); (638052.1, 4177277.4, 19.7, 19.7, 0.0);
(638073.4, 4177288.2, 19.8, 19.8, 0.0); (638094.7, 4177299.1, 19.8, 19.8, 0.0);
(638116.0, 4177309.9, 19.7, 19.7, 0.0); (638137.3, 4177320.7, 19.7, 19.7, 0.0);
(638158.6, 4177331.5, 20.1, 20.1, 0.0); (638179.9, 4177342.3, 19.8, 19.8, 0.0);
(638201.2, 4177353.1, 19.9, 19.9, 0.0); (638222.5, 4177363.9, 20.1, 20.1, 0.0);
(638243.8, 4177374.7, 19.6, 19.6, 0.0); (638299.0, 4177318.5, 20.2, 20.2, 0.0);
(638320.2, 4177329.2, 20.2, 20.2, 0.0); (638341.5, 4177339.9, 19.7, 19.7, 0.0);
(638287.8, 4177340.9, 19.9, 19.9, 0.0); (638309.0, 4177351.6, 19.7, 19.7, 0.0);
(638330.2, 4177362.3, 19.4, 19.4, 0.0); (638276.5, 4177363.2, 20.0, 20.0, 0.0);
(638297.8, 4177373.9, 19.4, 19.4, 0.0); (638319.0, 4177384.6, 19.3, 19.3, 0.0);
(638265.3, 4177385.5, 20.0, 20.0, 0.0); (638286.5, 4177396.2, 19.5, 19.5, 0.0);
(638307.7, 4177406.9, 19.3, 19.3, 0.0); (638380.8, 4177333.5, 19.5, 19.5, 0.0);
(638418.7, 4177318.6, 19.7, 19.7, 0.0); (638357.4, 4177363.5, 19.3, 19.3, 0.0);
(638389.9, 4177356.7, 19.4, 19.4, 0.0); (638427.8, 4177341.9, 19.5, 19.5, 0.0);
(638364.8, 4177386.7, 19.3, 19.3, 0.0); (638399.1, 4177380.0, 19.4, 19.4, 0.0);
(638436.9, 4177365.1, 19.4, 19.4, 0.0); (638372.9, 4177409.9, 19.3, 19.3, 0.0);
(638340.3, 4177408.4, 19.4, 19.4, 0.0); (638408.2, 4177403.3, 19.3, 19.3, 0.0);
(638446.1, 4177388.4, 19.2, 19.2, 0.0); (638463.9, 4177349.8, 19.4, 19.4, 0.0);
(638485.7, 4177360.5, 19.2, 19.2, 0.0); (638474.7, 4177382.9, 19.1, 19.1, 0.0);
(638463.7, 4177405.4, 18.9, 18.9, 0.0); (638430.9,

```
4177417.1,      19.1,      19.1,       0.0);
     ( 638452.7, 4177427.8,      18.9,      18.9,       0.0);         ( 638506.4,
4177371.0,      19.0,      19.0,       0.0);
     ( 638527.4, 4177381.8,      19.0,      19.0,       0.0);         ( 638548.5,
4177392.5,      18.9,      18.9,       0.0);
     ( 638569.5, 4177403.3,      18.8,      18.8,       0.0);         ( 638590.6,
4177414.0,      18.6,      18.6,       0.0);
     ( 638611.7, 4177424.8,      18.7,      18.7,       0.0);         ( 638495.0,
4177393.3,      18.8,      18.8,       0.0);
     ( 638516.1, 4177404.0,      18.7,      18.7,       0.0);         ( 638537.1,
4177414.8,      18.6,      18.6,       0.0);
     ( 638558.2, 4177425.5,      18.5,      18.5,       0.0);         ( 638579.2,
4177436.3,      18.5,      18.5,       0.0);
     ( 638600.3, 4177447.0,      18.4,      18.4,       0.0);         ( 638504.7,
4177426.3,      18.5,      18.5,       0.0);
     ( 638525.7, 4177437.0,      18.5,      18.5,       0.0);         ( 638546.8,
4177447.8,      18.2,      18.2,       0.0);
     ( 638567.9, 4177458.6,      18.3,      18.3,       0.0);         ( 638588.9,
4177469.3,      18.4,      18.4,       0.0);
     ( 638493.3, 4177448.6,      18.4,      18.4,       0.0);         ( 638514.4,
4177459.3,      18.6,      18.6,       0.0);
     ( 638535.4, 4177470.1,      18.4,      18.4,       0.0);         ( 638556.5,
4177480.8,      18.5,      18.5,       0.0);
     ( 638577.5, 4177491.6,      18.6,      18.6,       0.0);         ( 638632.3,
4177435.1,      18.8,      18.8,       0.0);
     ( 638652.8, 4177445.4,      18.9,      18.9,       0.0);         ( 638673.3,
4177455.7,      18.9,      18.9,       0.0);
     ( 638693.9, 4177466.0,      18.8,      18.8,       0.0);         ( 638714.4,
4177476.3,      19.1,      19.1,       0.0);
     ( 638734.9, 4177486.6,      19.0,      19.0,       0.0);         ( 638621.1,
4177457.5,      18.7,      18.7,       0.0);
     ( 638641.6, 4177467.8,      18.7,      18.7,       0.0);         ( 638662.1,
4177478.1,      18.6,      18.6,       0.0);
     ( 638682.6, 4177488.4,      18.6,      18.6,       0.0);         ( 638703.2,
4177498.7,      18.7,      18.7,       0.0);
     ( 638723.7, 4177508.9,      19.0,      19.0,       0.0);         ( 638609.9,
4177479.8,      18.6,      18.6,       0.0);
     ( 638630.4, 4177490.1,      18.6,      18.6,       0.0);         ( 638650.9,
4177500.4,      18.7,      18.7,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638671.4, 4177510.7, 18.7, 18.7, 0.0); (638692.0, 4177521.0, 18.7, 18.7, 0.0);
(638712.5, 4177531.3, 18.9, 18.9, 0.0); (638598.7, 4177502.2, 18.7, 18.7, 0.0);
(638619.2, 4177512.5, 18.7, 18.7, 0.0); (638639.7, 4177522.8, 18.6, 18.6, 0.0);
(638660.2, 4177533.1, 18.5, 18.5, 0.0); (638680.7, 4177543.3, 18.6, 18.6, 0.0);
(638701.2, 4177553.6, 18.8, 18.8, 0.0); (638774.7, 4177506.1, 19.0, 19.0, 0.0);
(638814.3, 4177525.5, 18.7, 18.7, 0.0); (638854.0, 4177544.9, 18.3, 18.3, 0.0);
(638893.6, 4177564.3, 18.4, 18.4, 0.0); (638763.7, 4177528.6, 18.9, 18.9, 0.0);
(638803.3, 4177548.0, 18.4, 18.4, 0.0); (638843.0, 4177567.4, 18.2, 18.2, 0.0);
(638882.6, 4177586.8, 18.0, 18.0, 0.0); (638732.9, 4177541.3, 18.7, 18.7, 0.0);
(638772.5, 4177560.7, 18.4, 18.4, 0.0); (638812.2, 4177580.1, 18.0, 18.0, 0.0);
(638851.8, 4177599.5, 17.8, 17.8, 0.0); (638721.9, 4177563.8, 18.7, 18.7, 0.0);
(638761.5, 4177583.2, 18.4, 18.4, 0.0); (638801.2, 4177602.6, 18.1, 18.1, 0.0);
(638840.8, 4177622.0, 17.6, 17.6, 0.0); (638915.7, 4177574.8, 18.3, 18.3, 0.0);
(638937.5, 4177585.2, 18.2, 18.2, 0.0); (638959.4, 4177595.6, 18.1, 18.1, 0.0);
(638981.3, 4177606.0, 17.9, 17.9, 0.0); (638905.0, 4177597.4, 18.0, 18.0, 0.0);
(638926.8, 4177607.8, 17.9, 17.9, 0.0); (638948.7, 4177618.2, 17.8, 17.8, 0.0);
(638970.5, 4177628.5, 17.8, 17.8, 0.0); (638872.4, 4177609.6, 17.7, 17.7, 0.0);
(638894.2, 4177620.0, 17.8, 17.8, 0.0); (638916.1, 4177630.4, 17.8, 17.8, 0.0);
(638937.9, 4177640.7, 17.7, 17.7, 0.0); (638959.8, 4177651.1, 17.6, 17.6, 0.0);
(638861.6, 4177632.2, 17.5, 17.5, 0.0); (638883.5, 4177642.5, 17.7, 17.7, 0.0);
(638905.4, 4177652.9, 17.7, 17.7, 0.0); (638927.2, 4177663.3, 17.2, 17.2, 0.0);
(638949.1, 4177673.7, 17.5, 17.5, 0.0); (639019.3, 4177624.1, 17.7, 17.7, 0.0);
(639057.4, 4177642.3, 17.5, 17.5, 0.0); (639095.5, 4177660.4, 17.5, 17.5, 0.0);
(639008.5, 4177646.7, 17.8, 17.8, 0.0); (639046.6, 4177664.8, 17.7, 17.7, 0.0);
(639084.7, 4177683.0, 17.5, 17.5, 0.0); (638997.8, 4177669.2, 17.7, 17.7, 0.0);
(639035.9, 4177687.4, 17.7, 17.7, 0.0); (639073.9,

```
4177705.6,      17.3,      17.3,       0.0);
     ( 638987.0, 4177691.8,      17.5,      17.5,       0.0);         ( 639025.1,
4177710.0,      17.6,      17.6,       0.0);
     ( 639063.2, 4177728.1,      17.2,      17.2,       0.0);         ( 639133.4,
4177679.8,      17.4,      17.4,       0.0);
     ( 639172.0, 4177699.5,      17.4,      17.4,       0.0);         ( 639122.1,
4177702.1,      17.3,      17.3,       0.0);
     ( 639160.6, 4177721.8,      17.4,      17.4,       0.0);         ( 639110.7,
4177724.4,      17.3,      17.3,       0.0);
     ( 639149.2, 4177744.0,      17.3,      17.3,       0.0);         ( 639099.3,
4177746.6,      17.2,      17.2,       0.0);
     ( 639137.9, 4177766.3,      17.2,      17.2,       0.0);         ( 639193.0,
4177710.0,      17.3,      17.3,       0.0);
     ( 639213.7, 4177720.4,      17.3,      17.3,       0.0);         ( 639234.5,
4177730.8,      17.2,      17.2,       0.0);
     ( 639255.3, 4177741.2,      17.2,      17.2,       0.0);         ( 639276.1,
4177751.6,      17.1,      17.1,       0.0);
     ( 639296.9, 4177761.9,      17.1,      17.1,       0.0);         ( 639181.8,
4177732.3,      17.3,      17.3,       0.0);
     ( 639202.6, 4177742.7,      17.2,      17.2,       0.0);         ( 639223.4,
4177753.1,      16.9,      16.9,       0.0);
     ( 639244.1, 4177763.5,      16.9,      16.9,       0.0);         ( 639264.9,
4177773.9,      17.0,      17.0,       0.0);
     ( 639285.7, 4177784.3,      17.1,      17.1,       0.0);         ( 639170.6,
4177754.7,      17.3,      17.3,       0.0);
     ( 639191.4, 4177765.1,      17.2,      17.2,       0.0);         ( 639212.2,
4177775.5,      17.0,      17.0,       0.0);
     ( 639233.0, 4177785.9,      16.8,      16.8,       0.0);         ( 639253.8,
4177796.3,      16.9,      16.9,       0.0);
     ( 639274.6, 4177806.7,      16.9,      16.9,       0.0);         ( 639159.4,
4177777.0,      17.2,      17.2,       0.0);
     ( 639180.2, 4177787.4,      17.2,      17.2,       0.0);         ( 639201.0,
4177797.8,      17.1,      17.1,       0.0);
     ( 639221.8, 4177808.2,      16.7,      16.7,       0.0);         ( 639242.6,
4177818.6,      16.8,      16.8,       0.0);
     ( 639263.4, 4177829.0,      16.7,      16.7,       0.0);         ( 639317.4,
4177772.4,      17.1,      17.1,       0.0);
     ( 639338.1, 4177782.9,      17.2,      17.2,       0.0);         ( 639358.7,
4177793.4,      17.2,      17.2,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(639379.4, 4177803.8, 17.2, 17.2, 0.0); (639306.1, 4177794.7, 17.2, 17.2, 0.0);
(639326.8, 4177805.1, 17.2, 17.2, 0.0); (639347.4, 4177815.6, 17.1, 17.1, 0.0);
(639368.1, 4177826.1, 17.1, 17.1, 0.0); (639294.8, 4177816.9, 16.9, 16.9, 0.0);
(639315.4, 4177827.4, 16.9, 16.9, 0.0); (639336.1, 4177837.9, 16.9, 16.9, 0.0);
(639356.7, 4177848.4, 17.0, 17.0, 0.0); (639283.4, 4177839.2, 16.6, 16.6, 0.0);
(639304.1, 4177849.7, 16.6, 16.6, 0.0); (639324.8, 4177860.2, 16.6, 16.6, 0.0);
(639345.4, 4177870.7, 16.8, 16.8, 0.0); (639400.5, 4177815.2, 17.2, 17.2, 0.0);
(639422.1, 4177826.9, 17.0, 17.0, 0.0); (639443.8, 4177838.5, 17.0, 17.0, 0.0);
(639388.7, 4177837.2, 16.9, 16.9, 0.0); (639410.3, 4177848.9, 17.0, 17.0, 0.0);
(639431.9, 4177860.5, 16.8, 16.8, 0.0); (639376.8, 4177859.3, 16.9, 16.9, 0.0);
(639398.4, 4177870.9, 16.9, 16.9, 0.0); (639420.1, 4177882.5, 16.6, 16.6, 0.0);
(639386.6, 4177892.9, 16.7, 16.7, 0.0); (639408.2, 4177904.6, 16.6, 16.6, 0.0);
(639466.2, 4177858.3, 16.8, 16.8, 0.0); (639450.0, 4177877.3, 16.8, 16.8, 0.0);
(639447.2, 4177907.8, 16.7, 16.7, 0.0); (639431.0, 4177926.8, 16.5, 16.5, 0.0);
(639484.9, 4177880.4, 16.7, 16.7, 0.0); (639474.0, 4177910.1, 16.7, 16.7, 0.0);
(639454.3, 4177945.2, 16.6, 16.6, 0.0); (639526.1, 4177788.6, 17.9, 17.9, 0.0);
(639505.1, 4177778.0, 17.8, 17.8, 0.0); (639484.0, 4177767.3, 17.6, 17.6, 0.0);
(639462.9, 4177756.7, 17.6, 17.6, 0.0); (639441.8, 4177746.1, 17.9, 17.9, 0.0);
(639420.8, 4177735.5, 17.9, 17.9, 0.0); (639399.7, 4177724.9, 18.0, 18.0, 0.0);
(639378.6, 4177714.3, 18.0, 18.0, 0.0); (639357.6, 4177703.7, 17.9, 17.9, 0.0);
(639336.5, 4177693.1, 18.1, 18.1, 0.0); (639315.4, 4177682.5, 18.2, 18.2, 0.0);
(639547.3, 4177775.2, 17.5, 17.5, 0.0); (639516.3, 4177755.6, 18.1, 18.1, 0.0);
(639495.2, 4177745.0, 17.6, 17.6, 0.0); (639474.2, 4177734.4, 17.9, 17.9, 0.0);
(639453.1, 4177723.8, 17.7, 17.7, 0.0); (639432.0, 4177713.2, 17.6, 17.6, 0.0);
(639410.9, 4177702.6, 17.8, 17.8, 0.0); (639389.9, 4177692.0, 18.0, 18.0, 0.0);
(639368.8, 4177681.4, 17.9, 17.9, 0.0); (639347.7,

```
4177670.8,      18.0,      18.0,       0.0);
     ( 639326.6, 4177660.1,      18.0,      18.0,       0.0);         ( 639563.5,
4177757.4,      17.7,      17.7,       0.0);
     ( 639527.6, 4177733.3,      18.3,      18.3,       0.0);         ( 639506.5,
4177722.7,      18.1,      18.1,       0.0);
     ( 639485.4, 4177712.1,      17.6,      17.6,       0.0);         ( 639464.3,
4177701.5,      17.7,      17.7,       0.0);
     ( 639443.2, 4177690.9,      17.7,      17.7,       0.0);         ( 639422.2,
4177680.2,      17.9,      17.9,       0.0);
     ( 639401.1, 4177669.6,      18.0,      18.0,       0.0);         ( 639380.0,
4177659.0,      17.9,      17.9,       0.0);
     ( 639359.0, 4177648.4,      18.0,      18.0,       0.0);         ( 639337.9,
4177637.8,      18.1,      18.1,       0.0);
     ( 639573.1, 4177733.6,      17.7,      17.7,       0.0);         ( 639538.8,
4177711.0,      18.2,      18.2,       0.0);
     ( 639517.7, 4177700.4,      18.1,      18.1,       0.0);         ( 639496.6,
4177689.8,      17.8,      17.8,       0.0);
     ( 639475.6, 4177679.1,      17.9,      17.9,       0.0);         ( 639454.5,
4177668.5,      18.0,      18.0,       0.0);
     ( 639433.4, 4177657.9,      18.2,      18.2,       0.0);         ( 639412.4,
4177647.3,      18.2,      18.2,       0.0);
     ( 639391.3, 4177636.7,      18.1,      18.1,       0.0);         ( 639370.2,
4177626.1,      18.0,      18.0,       0.0);
     ( 639349.1, 4177615.5,      17.8,      17.8,       0.0);         ( 639293.9,
4177671.3,      18.2,      18.2,       0.0);
     ( 639272.1, 4177660.0,      18.1,      18.1,       0.0);         ( 639250.3,
4177648.8,      18.1,      18.1,       0.0);
     ( 639228.6, 4177637.5,      18.1,      18.1,       0.0);         ( 639206.8,
4177626.2,      18.2,      18.2,       0.0);
     ( 639185.0, 4177614.9,      18.2,      18.2,       0.0);         ( 639163.2,
4177603.7,      18.2,      18.2,       0.0);
     ( 639141.5, 4177592.4,      18.3,      18.3,       0.0);         ( 639119.7,
4177581.1,      18.3,      18.3,       0.0);
     ( 639097.9, 4177569.8,      18.5,      18.5,       0.0);         ( 639076.1,
4177558.6,      18.5,      18.5,       0.0);
     ( 639305.4, 4177649.1,      18.1,      18.1,       0.0);         ( 639283.6,
4177637.8,      18.1,      18.1,       0.0);
     ( 639261.8, 4177626.6,      18.1,      18.1,       0.0);         ( 639240.1,
4177615.3,      18.1,      18.1,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(639218.3, 4177604.0, 18.2, 18.2, 0.0); (639196.5, 4177592.8, 18.2, 18.2, 0.0);
(639174.7, 4177581.5, 18.2, 18.2, 0.0); (639153.0, 4177570.2, 18.2, 18.2, 0.0);
(639131.2, 4177558.9, 18.3, 18.3, 0.0); (639109.4, 4177547.6, 18.4, 18.4, 0.0);
(639087.6, 4177536.4, 18.4, 18.4, 0.0); (639316.9, 4177626.9, 18.0, 18.0, 0.0);
(639295.1, 4177615.6, 17.9, 17.9, 0.0); (639273.3, 4177604.4, 18.1, 18.1, 0.0);
(639251.5, 4177593.1, 18.2, 18.2, 0.0); (639229.8, 4177581.8, 18.2, 18.2, 0.0);
(639208.0, 4177570.5, 18.2, 18.2, 0.0); (639186.2, 4177559.3, 18.3, 18.3, 0.0);
(639164.4, 4177548.0, 18.3, 18.3, 0.0); (639142.7, 4177536.7, 18.4, 18.4, 0.0);
(639120.9, 4177525.4, 18.4, 18.4, 0.0); (639099.1, 4177514.2, 18.5, 18.5, 0.0);
(639328.4, 4177604.7, 17.8, 17.8, 0.0); (639306.6, 4177593.4, 18.0, 18.0, 0.0);
(639284.8, 4177582.2, 17.9, 17.9, 0.0); (639263.0, 4177570.9, 17.9, 17.9, 0.0);
(639241.3, 4177559.6, 18.1, 18.1, 0.0); (639219.5, 4177548.3, 18.1, 18.1, 0.0);
(639197.7, 4177537.1, 18.2, 18.2, 0.0); (639175.9, 4177525.8, 18.3, 18.3, 0.0);
(639154.2, 4177514.5, 18.4, 18.4, 0.0); (639132.4, 4177503.2, 18.5, 18.5, 0.0);
(639110.6, 4177492.0, 18.8, 18.8, 0.0); (639038.4, 4177538.5, 18.6, 18.6, 0.0);
(639000.4, 4177518.2, 18.7, 18.7, 0.0); (638962.5, 4177498.0, 18.8, 18.8, 0.0);
(639050.2, 4177516.4, 18.6, 18.6, 0.0); (639012.2, 4177496.1, 18.7, 18.7, 0.0);
(638974.2, 4177475.9, 18.9, 18.9, 0.0); (639062.0, 4177494.3, 18.6, 18.6, 0.0);
(639024.0, 4177474.1, 18.8, 18.8, 0.0); (638986.0, 4177453.8, 18.9, 18.9, 0.0);
(639073.7, 4177472.3, 18.8, 18.8, 0.0); (639035.7, 4177452.0, 18.9, 18.9, 0.0);
(638997.8, 4177431.8, 19.2, 19.2, 0.0); (638953.9, 4177465.1, 18.8, 18.8, 0.0);
(638756.9, 4177367.8, 19.2, 19.2, 0.0); (638735.1, 4177357.0, 19.1, 19.1, 0.0);
(638964.9, 4177442.6, 19.0, 19.0, 0.0); (638943.1, 4177431.8, 19.2, 19.2, 0.0);
(638811.8, 4177367.0, 19.3, 19.3, 0.0); (638789.9, 4177356.2, 19.1, 19.1, 0.0);
(638768.0, 4177345.4, 19.3, 19.3, 0.0); (638746.1, 4177334.6, 19.2, 19.2, 0.0);
(638976.0, 4177420.2, 19.2, 19.2, 0.0); (638954.1,

```
4177409.4,      19.3,      19.3,       0.0);
     ( 638932.2, 4177398.6,      19.3,      19.3,       0.0);         ( 638844.7,
4177355.4,      19.2,      19.2,       0.0);
     ( 638822.8, 4177344.6,      19.3,      19.3,       0.0);         ( 638801.0,
4177333.8,      19.1,      19.1,       0.0);
     ( 638779.1, 4177323.0,      18.9,      18.9,       0.0);         ( 638757.2,
4177312.1,      19.4,      19.4,       0.0);
     ( 638702.6, 4177369.1,      19.1,      19.1,       0.0);         ( 638681.4,
4177358.8,      19.2,      19.2,       0.0);
     ( 638660.2, 4177348.6,      19.3,      19.3,       0.0);         ( 638639.0,
4177338.4,      19.4,      19.4,       0.0);
     ( 638617.8, 4177328.2,      19.5,      19.5,       0.0);         ( 638596.6,
4177317.9,      19.6,      19.6,       0.0);
     ( 638575.4, 4177307.7,      19.9,      19.9,       0.0);         ( 638554.2,
4177297.5,      20.0,      20.0,       0.0);
     ( 638533.0, 4177287.3,      20.1,      20.1,       0.0);         ( 638713.4,
4177346.5,      19.2,      19.2,       0.0);
     ( 638692.2, 4177336.3,      19.0,      19.0,       0.0);         ( 638671.0,
4177326.1,      19.2,      19.2,       0.0);
     ( 638649.8, 4177315.9,      19.5,      19.5,       0.0);         ( 638628.6,
4177305.6,      19.6,      19.6,       0.0);
     ( 638607.4, 4177295.4,      19.8,      19.8,       0.0);         ( 638586.2,
4177285.2,      20.0,      20.0,       0.0);
     ( 638565.0, 4177275.0,      20.1,      20.1,       0.0);         ( 638543.8,
4177264.8,      20.1,      20.1,       0.0);
     ( 638724.3, 4177324.0,      19.2,      19.2,       0.0);         ( 638703.1,
4177313.8,      19.2,      19.2,       0.0);
     ( 638681.9, 4177303.6,      19.4,      19.4,       0.0);         ( 638660.7,
4177293.3,      19.8,      19.8,       0.0);
     ( 638639.5, 4177283.1,      20.0,      20.0,       0.0);         ( 638618.3,
4177272.9,      20.0,      20.0,       0.0);
     ( 638597.1, 4177262.7,      20.3,      20.3,       0.0);         ( 638575.9,
4177252.5,      20.2,      20.2,       0.0);
     ( 638554.7, 4177242.2,      20.4,      20.4,       0.0);         ( 638735.2,
4177301.5,      19.4,      19.4,       0.0);
     ( 638714.0, 4177291.3,      19.4,      19.4,       0.0);         ( 638692.7,
4177281.1,      19.6,      19.6,       0.0);
     ( 638671.5, 4177270.8,      19.8,      19.8,       0.0);         ( 638650.3,
4177260.6,      20.0,      20.0,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638629.1, 4177250.4, 20.2, 20.2, 0.0); (638607.9, 4177240.2, 20.2, 20.2, 0.0);
(638586.7, 4177229.9, 20.2, 20.2, 0.0); (638565.5, 4177219.7, 20.2, 20.2, 0.0);
(638510.9, 4177276.3, 20.0, 20.0, 0.0); (638488.7, 4177265.3, 19.9, 19.9, 0.0);
(638466.4, 4177254.2, 20.0, 20.0, 0.0); (638444.1, 4177243.2, 20.1, 20.1, 0.0);
(638421.8, 4177232.1, 20.2, 20.2, 0.0); (638399.6, 4177221.1, 20.2, 20.2, 0.0);
(638377.3, 4177210.0, 20.3, 20.3, 0.0); (638522.1, 4177253.9, 20.0, 20.0, 0.0);
(638499.8, 4177242.9, 20.0, 20.0, 0.0); (638477.5, 4177231.8, 20.1, 20.1, 0.0);
(638455.2, 4177220.8, 20.1, 20.1, 0.0); (638433.0, 4177209.8, 20.2, 20.2, 0.0);
(638410.7, 4177198.7, 20.2, 20.2, 0.0); (638388.4, 4177187.7, 20.2, 20.2, 0.0);
(638533.2, 4177231.6, 20.1, 20.1, 0.0); (638510.9, 4177220.5, 20.1, 20.1, 0.0);
(638488.6, 4177209.5, 20.3, 20.3, 0.0); (638466.3, 4177198.4, 20.3, 20.3, 0.0);
(638444.1, 4177187.4, 20.4, 20.4, 0.0); (638421.8, 4177176.3, 20.4, 20.4, 0.0);
(638399.5, 4177165.3, 20.2, 20.2, 0.0); (638544.3, 4177209.2, 20.2, 20.2, 0.0);
(638522.0, 4177198.1, 20.3, 20.3, 0.0); (638499.7, 4177187.1, 20.3, 20.3, 0.0);
(638477.4, 4177176.0, 20.2, 20.2, 0.0); (638455.2, 4177165.0, 20.2, 20.2, 0.0);
(638432.9, 4177153.9, 20.2, 20.2, 0.0); (638410.6, 4177142.9, 20.2, 20.2, 0.0);
(638354.7, 4177198.9, 20.5, 20.5, 0.0); (638332.6, 4177188.3, 20.4, 20.4, 0.0);
(638310.5, 4177177.7, 20.6, 20.6, 0.0); (638288.4, 4177167.1, 20.5, 20.5, 0.0);
(638266.4, 4177156.5, 20.8, 20.8, 0.0); (638244.3, 4177145.9, 20.7, 20.7, 0.0);
(638222.2, 4177135.3, 20.6, 20.6, 0.0); (638200.1, 4177124.7, 21.0, 21.0, 0.0);
(638178.0, 4177114.1, 20.9, 20.9, 0.0); (638155.9, 4177103.5, 21.1, 21.1, 0.0);
(638133.8, 4177092.9, 21.0, 21.0, 0.0); (638111.7, 4177082.3, 21.1, 21.1, 0.0);
(638089.6, 4177071.7, 21.0, 21.0, 0.0); (638067.6, 4177061.1, 21.1, 21.1, 0.0);
(638365.5, 4177176.3, 20.4, 20.4, 0.0); (638343.4, 4177165.7, 20.5, 20.5, 0.0);
(638321.3, 4177155.1, 20.5, 20.5, 0.0); (638299.2, 4177144.5, 20.6, 20.6, 0.0);
(638277.2, 4177133.9, 20.9, 20.9, 0.0); (638255.1,

```
4177123.3,      20.9,      20.9,       0.0);
     ( 638233.0, 4177112.8,      21.0,      21.0,       0.0);         ( 638210.9,
4177102.2,      21.3,      21.3,       0.0);
     ( 638188.8, 4177091.6,      21.2,      21.2,       0.0);         ( 638166.7,
4177081.0,      21.2,      21.2,       0.0);
     ( 638144.6, 4177070.4,      21.3,      21.3,       0.0);         ( 638122.5,
4177059.8,      21.3,      21.3,       0.0);
     ( 638100.5, 4177049.2,      21.1,      21.1,       0.0);         ( 638078.4,
4177038.6,      21.2,      21.2,       0.0);
     ( 638376.3, 4177153.8,      20.4,      20.4,       0.0);         ( 638354.2,
4177143.2,      20.6,      20.6,       0.0);
     ( 638332.2, 4177132.6,      20.5,      20.5,       0.0);         ( 638310.1,
4177122.0,      20.9,      20.9,       0.0);
     ( 638288.0, 4177111.4,      20.9,      20.9,       0.0);         ( 638265.9,
4177100.8,      21.0,      21.0,       0.0);
     ( 638243.8, 4177090.2,      21.1,      21.1,       0.0);         ( 638221.7,
4177079.6,      21.2,      21.2,       0.0);
     ( 638199.6, 4177069.0,      21.5,      21.5,       0.0);         ( 638177.5,
4177058.4,      21.5,      21.5,       0.0);
     ( 638155.4, 4177047.8,      21.6,      21.6,       0.0);         ( 638133.4,
4177037.2,      21.3,      21.3,       0.0);
     ( 638111.3, 4177026.7,      21.4,      21.4,       0.0);         ( 638089.2,
4177016.1,      21.4,      21.4,       0.0);
     ( 638387.1, 4177131.2,      20.3,      20.3,       0.0);         ( 638365.1,
4177120.6,      20.4,      20.4,       0.0);
     ( 638343.0, 4177110.0,      20.5,      20.5,       0.0);         ( 638320.9,
4177099.4,      20.8,      20.8,       0.0);
     ( 638298.8, 4177088.9,      20.9,      20.9,       0.0);         ( 638276.7,
4177078.3,      20.8,      20.8,       0.0);
     ( 638254.6, 4177067.7,      20.9,      20.9,       0.0);         ( 638232.5,
4177057.1,      21.2,      21.2,       0.0);
     ( 638210.4, 4177046.5,      21.5,      21.5,       0.0);         ( 638188.3,
4177035.9,      21.6,      21.6,       0.0);
     ( 638166.2, 4177025.3,      21.6,      21.6,       0.0);         ( 638144.2,
4177014.7,      21.8,      21.8,       0.0);
     ( 638122.1, 4177004.1,      21.6,      21.6,       0.0);         ( 638100.0,
4176993.5,      21.4,      21.4,       0.0);
     ( 638046.0, 4177050.1,      21.3,      21.3,       0.0);         ( 638024.0,
4177038.8,      21.1,      21.1,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638001.9, 4177027.5, 21.4, 21.4, 0.0); (637979.8, 4177016.2, 21.5, 21.5, 0.0);
(637957.7, 4177004.9, 21.6, 21.6, 0.0); (637935.6, 4176993.6, 21.6, 21.6, 0.0);
(637913.5, 4176982.3, 21.2, 21.2, 0.0); (637891.4, 4176971.0, 21.2, 21.2, 0.0);
(637869.4, 4176959.7, 21.2, 21.2, 0.0); (637847.3, 4176948.4, 21.1, 21.1, 0.0);
(637825.2, 4176937.1, 20.7, 20.7, 0.0); (637803.1, 4176925.8, 20.7, 20.7, 0.0);
(637781.0, 4176914.5, 20.7, 20.7, 0.0); (637758.9, 4176903.2, 20.6, 20.6, 0.0);
(637736.8, 4176891.9, 20.6, 20.6, 0.0); (637714.7, 4176880.6, 20.8, 20.8, 0.0);
(638057.4, 4177027.9, 21.4, 21.4, 0.0); (638035.3, 4177016.6, 21.1, 21.1, 0.0);
(638013.2, 4177005.3, 21.5, 21.5, 0.0); (637991.2, 4176994.0, 21.1, 21.1, 0.0);
(637969.1, 4176982.7, 21.5, 21.5, 0.0); (637947.0, 4176971.4, 21.4, 21.4, 0.0);
(637924.9, 4176960.1, 21.2, 21.2, 0.0); (637902.8, 4176948.8, 21.5, 21.5, 0.0);
(637880.7, 4176937.5, 21.8, 21.8, 0.0); (637858.7, 4176926.2, 21.7, 21.7, 0.0);
(637836.6, 4176914.8, 21.7, 21.7, 0.0); (637814.5, 4176903.5, 21.6, 21.6, 0.0);
(637792.4, 4176892.2, 21.6, 21.6, 0.0); (637770.3, 4176880.9, 21.6, 21.6, 0.0);
(637748.2, 4176869.6, 21.6, 21.6, 0.0); (637726.1, 4176858.3, 21.6, 21.6, 0.0);
(638068.8, 4177005.6, 21.4, 21.4, 0.0); (638046.7, 4176994.3, 21.7, 21.7, 0.0);
(638024.6, 4176983.0, 21.3, 21.3, 0.0); (638002.6, 4176971.7, 21.3, 21.3, 0.0);
(637980.5, 4176960.4, 21.5, 21.5, 0.0); (637958.4, 4176949.1, 21.6, 21.6, 0.0);
(637936.3, 4176937.8, 21.0, 21.0, 0.0); (637914.2, 4176926.5, 21.1, 21.1, 0.0);
(637892.1, 4176915.2, 22.0, 22.0, 0.0); (637870.0, 4176903.9, 21.9, 21.9, 0.0);
(637848.0, 4176892.6, 21.7, 21.7, 0.0); (637825.9, 4176881.3, 21.6, 21.6, 0.0);
(637803.8, 4176870.0, 21.5, 21.5, 0.0); (637781.7, 4176858.7, 21.5, 21.5, 0.0);
(637759.6, 4176847.4, 21.4, 21.4, 0.0); (637737.5, 4176836.1, 21.4, 21.4, 0.0);
(638058.1, 4176972.1, 21.7, 21.7, 0.0); (638036.0, 4176960.8, 21.4, 21.4, 0.0);
(638014.0, 4176949.5, 21.6, 21.6, 0.0); (637991.9, 4176938.2, 21.3, 21.3, 0.0);
(637969.8, 4176926.9, 21.7, 21.7, 0.0); (637947.7,

```
4176915.5,      21.2,      21.2,       0.0);
     ( 637925.6, 4176904.2,      20.9,      20.9,       0.0);         ( 637903.5,
4176892.9,      21.5,      21.5,       0.0);
     ( 637881.4, 4176881.6,      21.6,      21.6,       0.0);         ( 637859.3,
4176870.3,      21.6,      21.6,       0.0);
     ( 637837.2, 4176859.0,      21.6,      21.6,       0.0);         ( 637815.2,
4176847.7,      21.6,      21.6,       0.0);
     ( 637793.1, 4176836.4,      21.6,      21.6,       0.0);         ( 637771.0,
4176825.1,      21.5,      21.5,       0.0);
     ( 637748.9, 4176813.8,      21.3,      21.3,       0.0);         ( 637693.3,
4176869.9,      20.9,      20.9,       0.0);
     ( 637672.1, 4176859.3,      21.0,      21.0,       0.0);         ( 637650.9,
4176848.8,      21.0,      21.0,       0.0);
     ( 637629.7, 4176838.2,      21.0,      21.0,       0.0);         ( 637608.5,
4176827.7,      21.1,      21.1,       0.0);
     ( 637587.3, 4176817.1,      21.2,      21.2,       0.0);         ( 637566.1,
4176806.5,      21.2,      21.2,       0.0);
     ( 637544.9, 4176796.0,      21.3,      21.3,       0.0);         ( 637523.7,
4176785.4,      21.3,      21.3,       0.0);
     ( 637502.5, 4176774.8,      21.3,      21.3,       0.0);         ( 637481.3,
4176764.3,      21.5,      21.5,       0.0);
     ( 637460.2, 4176753.7,      21.6,      21.6,       0.0);         ( 637439.0,
4176743.1,      21.6,      21.6,       0.0);
     ( 637417.8, 4176732.6,      21.7,      21.7,       0.0);         ( 637396.6,
4176722.0,      21.6,      21.6,       0.0);
     ( 637375.4, 4176711.4,      21.5,      21.5,       0.0);         ( 637354.2,
4176700.9,      21.2,      21.2,       0.0);
     ( 637333.0, 4176690.3,      21.1,      21.1,       0.0);         ( 637704.5,
4176847.5,      21.6,      21.6,       0.0);
     ( 637683.3, 4176837.0,      21.6,      21.6,       0.0);         ( 637662.1,
4176826.4,      21.7,      21.7,       0.0);
     ( 637640.9, 4176815.8,      21.8,      21.8,       0.0);         ( 637619.7,
4176805.3,      21.7,      21.7,       0.0);
     ( 637598.5, 4176794.7,      21.7,      21.7,       0.0);         ( 637577.3,
4176784.1,      21.8,      21.8,       0.0);
     ( 637556.1, 4176773.6,      21.9,      21.9,       0.0);         ( 637534.9,
4176763.0,      21.8,      21.8,       0.0);
     ( 637513.7, 4176752.5,      21.8,      21.8,       0.0);         ( 637492.5,
4176741.9,      21.8,      21.8,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637471.3, 4176731.3, 21.7, 21.7, 0.0); (637450.1, 4176720.8, 21.7, 21.7, 0.0);
(637428.9, 4176710.2, 21.7, 21.7, 0.0); (637407.7, 4176699.6, 21.6, 21.6, 0.0);
(637386.5, 4176689.1, 21.5, 21.5, 0.0); (637365.3, 4176678.5, 21.4, 21.4, 0.0);
(637344.1, 4176667.9, 21.4, 21.4, 0.0); (637715.6, 4176825.2, 21.4, 21.4, 0.0);
(637694.4, 4176814.6, 21.3, 21.3, 0.0); (637673.2, 4176804.0, 21.7, 21.7, 0.0);
(637652.0, 4176793.5, 21.8, 21.8, 0.0); (637630.8, 4176782.9, 21.5, 21.5, 0.0);
(637609.6, 4176772.3, 21.3, 21.3, 0.0); (637588.4, 4176761.8, 21.4, 21.4, 0.0);
(637567.2, 4176751.2, 21.5, 21.5, 0.0); (637546.0, 4176740.6, 21.4, 21.4, 0.0);
(637524.8, 4176730.1, 21.4, 21.4, 0.0); (637503.7, 4176719.5, 21.3, 21.3, 0.0);
(637482.5, 4176709.0, 21.3, 21.3, 0.0); (637461.2, 4176698.4, 21.3, 21.3, 0.0);
(637440.1, 4176687.8, 21.4, 21.4, 0.0); (637418.9, 4176677.3, 21.4, 21.4, 0.0);
(637397.7, 4176666.7, 21.3, 21.3, 0.0); (637376.5, 4176656.1, 21.2, 21.2, 0.0);
(637355.3, 4176645.6, 21.2, 21.2, 0.0); (637726.8, 4176802.8, 21.4, 21.4, 0.0);
(637705.6, 4176792.2, 21.2, 21.2, 0.0); (637684.4, 4176781.7, 21.6, 21.6, 0.0);
(637663.2, 4176771.1, 21.8, 21.8, 0.0); (637642.0, 4176760.5, 21.1, 21.1, 0.0);
(637620.8, 4176750.0, 21.3, 21.3, 0.0); (637599.6, 4176739.4, 21.4, 21.4, 0.0);
(637578.4, 4176728.8, 21.5, 21.5, 0.0); (637557.2, 4176718.3, 21.5, 21.5, 0.0);
(637536.0, 4176707.7, 21.4, 21.4, 0.0); (637514.8, 4176697.1, 21.3, 21.3, 0.0);
(637493.6, 4176686.6, 20.9, 20.9, 0.0); (637472.4, 4176676.0, 21.3, 21.3, 0.0);
(637451.2, 4176665.4, 21.5, 21.5, 0.0); (637430.0, 4176654.9, 21.3, 21.3, 0.0);
(637408.8, 4176644.3, 21.3, 21.3, 0.0); (637387.6, 4176633.8, 21.3, 21.3, 0.0);
(637366.4, 4176623.2, 21.3, 21.3, 0.0); (637311.3, 4176679.5, 21.1, 21.1, 0.0);
(637289.6, 4176668.6, 21.1, 21.1, 0.0); (637267.9, 4176657.7, 20.9, 20.9, 0.0);
(637246.2, 4176646.8, 20.7, 20.7, 0.0); (637224.5, 4176635.9, 20.8, 21.9, 0.0);
(637202.8, 4176625.0, 22.1, 22.1, 0.0); (637181.1, 4176614.1, 20.7, 20.7, 0.0);
(637159.4, 4176603.2, 20.6, 20.6, 0.0); (637137.7,

```
4176592.3,      20.7,      20.7,       0.0);
     ( 637116.0, 4176581.4,      20.6,      20.6,       0.0);         ( 637094.3,
4176570.5,      20.4,      20.4,       0.0);
     ( 637072.6, 4176559.6,      20.4,      20.4,       0.0);         ( 637050.9,
4176548.7,      20.4,      20.4,       0.0);
     ( 637029.2, 4176537.8,      20.4,      20.4,       0.0);         ( 637007.5,
4176526.9,      20.5,      20.5,       0.0);
     ( 636985.8, 4176516.0,      20.5,      20.5,       0.0);         ( 636964.1,
4176505.1,      20.5,      20.5,       0.0);
     ( 636942.4, 4176494.2,      20.5,      20.5,       0.0);         ( 636920.7,
4176483.3,      20.5,      20.5,       0.0);
     ( 636899.0, 4176472.4,      20.6,      20.6,       0.0);         ( 636877.3,
4176461.5,      20.5,      20.5,       0.0);
     ( 637322.6, 4176657.1,      21.4,      21.4,       0.0);         ( 637300.8,
4176646.2,      21.4,      21.4,       0.0);
     ( 637279.1, 4176635.3,      21.5,      21.5,       0.0);         ( 637257.4,
4176624.4,      21.3,      21.5,       0.0);
     ( 637235.7, 4176613.5,      21.1,      21.3,       0.0);         ( 637214.0,
4176602.6,      21.7,      21.7,       0.0);
     ( 637192.3, 4176591.7,      21.0,      21.0,       0.0);         ( 637170.6,
4176580.8,      20.9,      20.9,       0.0);
     ( 637148.9, 4176569.9,      20.9,      20.9,       0.0);         ( 637127.2,
4176559.0,      20.6,      20.6,       0.0);
     ( 637105.5, 4176548.2,      20.4,      20.4,       0.0);         ( 637083.8,
4176537.3,      20.5,      20.5,       0.0);
     ( 637062.1, 4176526.4,      20.6,      20.6,       0.0);         ( 637040.4,
4176515.5,      20.8,      20.8,       0.0);
     ( 637018.7, 4176504.6,      20.8,      20.8,       0.0);         ( 636997.0,
4176493.7,      20.8,      20.8,       0.0);
     ( 636975.3, 4176482.8,      20.8,      20.8,       0.0);         ( 636953.6,
4176471.9,      20.9,      20.9,       0.0);
     ( 636931.9, 4176461.0,      20.9,      20.9,       0.0);         ( 636910.2,
4176450.1,      20.8,      20.8,       0.0);
     ( 636888.5, 4176439.2,      20.8,      20.8,       0.0);         ( 637333.8,
4176634.8,      21.3,      21.3,       0.0);
     ( 637312.1, 4176623.9,      21.3,      21.3,       0.0);         ( 637290.4,
4176613.0,      21.2,      21.2,       0.0);
     ( 637268.7, 4176602.1,      20.6,      21.0,       0.0);         ( 637247.0,
4176591.2,      20.9,      20.9,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637225.2, 4176580.3, 21.3, 21.3, 0.0); (637203.6, 4176569.4, 21.6, 21.6, 0.0);
(637181.8, 4176558.5, 21.2, 21.2, 0.0); (637160.1, 4176547.6, 21.4, 21.4, 0.0);
(637138.4, 4176536.7, 21.4, 21.4, 0.0); (637116.7, 4176525.8, 20.6, 20.6, 0.0);
(637095.0, 4176514.9, 20.7, 20.7, 0.0); (637073.3, 4176504.0, 20.7, 20.7, 0.0);
(637051.6, 4176493.1, 20.4, 20.4, 0.0); (637029.9, 4176482.2, 20.6, 20.6, 0.0);
(637008.2, 4176471.3, 20.7, 20.7, 0.0); (636986.5, 4176460.4, 20.7, 20.7, 0.0);
(636964.8, 4176449.5, 20.6, 20.6, 0.0); (636943.1, 4176438.6, 20.6, 20.6, 0.0);
(636921.4, 4176427.8, 20.7, 20.7, 0.0); (636899.7, 4176416.9, 20.6, 20.6, 0.0);
(637345.0, 4176612.4, 21.2, 21.2, 0.0); (637323.3, 4176601.5, 21.2, 21.2, 0.0);
(637301.6, 4176590.6, 21.3, 21.3, 0.0); (637279.9, 4176579.7, 19.7, 21.3, 0.0);
(637258.2, 4176568.8, 20.9, 20.9, 0.0); (637236.5, 4176557.9, 21.4, 21.4, 0.0);
(637214.8, 4176547.0, 21.4, 21.4, 0.0); (637193.1, 4176536.2, 21.2, 21.2, 0.0);
(637171.4, 4176525.3, 21.1, 21.1, 0.0); (637149.7, 4176514.4, 21.5, 21.5, 0.0);
(637128.0, 4176503.5, 20.8, 20.8, 0.0); (637106.2, 4176492.6, 20.9, 20.9, 0.0);
(637084.5, 4176481.7, 20.7, 20.7, 0.0); (637062.8, 4176470.8, 20.6, 20.6, 0.0);
(637041.1, 4176459.9, 20.7, 20.7, 0.0); (637019.4, 4176449.0, 20.8, 20.8, 0.0);
(636997.7, 4176438.1, 20.9, 20.9, 0.0); (636976.0, 4176427.2, 20.7, 20.7, 0.0);
(636954.3, 4176416.3, 20.8, 20.8, 0.0); (636932.6, 4176405.4, 21.0, 21.0, 0.0);
(636910.9, 4176394.5, 20.8, 20.8, 0.0); (636855.8, 4176450.7, 20.5, 20.5, 0.0);
(636834.2, 4176439.8, 20.5, 20.5, 0.0); (636812.7, 4176429.0, 20.7, 20.7, 0.0);
(636791.1, 4176418.1, 20.7, 20.7, 0.0); (636769.6, 4176407.2, 20.7, 20.7, 0.0);
(636748.0, 4176396.4, 20.5, 20.5, 0.0); (636726.5, 4176385.5, 20.6, 20.6, 0.0);
(636704.9, 4176374.6, 20.6, 20.6, 0.0); (636683.4, 4176363.8, 20.6, 20.6, 0.0);
(636661.8, 4176352.9, 20.6, 20.6, 0.0); (636640.3, 4176342.0, 20.5, 20.5, 0.0);
(636618.8, 4176331.2, 20.6, 20.6, 0.0); (636597.2, 4176320.3, 20.6, 20.6, 0.0);
(636575.7, 4176309.4, 20.7, 20.7, 0.0); (636554.1,

```
4176298.6,      20.6,      20.6,       0.0);
     ( 636532.6, 4176287.7,      20.7,      20.7,      0.0);         ( 636511.0,
4176276.8,      20.7,      20.7,       0.0);
     ( 636489.5, 4176266.0,      20.7,      20.7,      0.0);         ( 636467.9,
4176255.1,      20.7,      20.7,       0.0);
     ( 636446.4, 4176244.2,      20.8,      20.8,      0.0);         ( 636424.8,
4176233.4,      20.8,      20.8,       0.0);
     ( 636403.3, 4176222.5,      20.8,      20.8,      0.0);         ( 636381.7,
4176211.6,      20.9,      20.9,       0.0);
     ( 636360.2, 4176200.8,      21.1,      21.1,      0.0);         ( 636338.6,
4176189.9,      21.5,      21.5,       0.0);
     ( 636867.0, 4176428.4,      20.8,      20.8,      0.0);         ( 636845.5,
4176417.5,      20.9,      20.9,       0.0);
     ( 636823.9, 4176406.6,      21.0,      21.0,      0.0);         ( 636802.4,
4176395.8,      21.1,      21.1,       0.0);
     ( 636780.8, 4176384.9,      21.2,      21.2,      0.0);         ( 636759.3,
4176374.0,      20.9,      20.9,       0.0);
     ( 636737.7, 4176363.2,      20.8,      20.8,      0.0);         ( 636716.2,
4176352.3,      20.8,      20.8,       0.0);
     ( 636694.6, 4176341.4,      20.7,      20.7,      0.0);         ( 636673.1,
4176330.6,      20.7,      20.7,       0.0);
     ( 636651.6, 4176319.7,      20.7,      20.7,      0.0);         ( 636630.0,
4176308.8,      20.7,      20.7,       0.0);
     ( 636608.5, 4176298.0,      20.8,      20.8,      0.0);         ( 636586.9,
4176287.1,      20.9,      20.9,       0.0);
     ( 636565.4, 4176276.2,      21.1,      21.1,      0.0);         ( 636543.8,
4176265.4,      21.1,      21.1,       0.0);
     ( 636522.3, 4176254.5,      21.1,      21.1,      0.0);         ( 636500.7,
4176243.6,      21.2,      21.2,       0.0);
     ( 636479.2, 4176232.8,      21.3,      21.3,      0.0);         ( 636457.6,
4176221.9,      21.4,      21.4,       0.0);
     ( 636436.1, 4176211.0,      21.6,      21.6,      0.0);         ( 636414.5,
4176200.2,      21.9,      21.9,       0.0);
     ( 636393.0, 4176189.3,      21.9,      21.9,      0.0);         ( 636371.4,
4176178.4,      21.8,      21.8,       0.0);
     ( 636349.9, 4176167.6,      21.5,      21.5,      0.0);         ( 636878.3,
4176406.0,      20.6,      20.6,       0.0);
     ( 636856.7, 4176395.2,      20.7,      20.7,      0.0);         ( 636835.2,
4176384.3,      20.9,      20.9,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(636813.6, 4176373.4, 20.9, 20.9, 0.0); (636792.1, 4176362.6, 21.2, 21.2, 0.0);
(636770.5, 4176351.7, 21.0, 21.0, 0.0); (636749.0, 4176340.9, 20.6, 20.6, 0.0);
(636727.5, 4176330.0, 20.5, 20.5, 0.0); (636705.9, 4176319.1, 20.5, 20.5, 0.0);
(636684.4, 4176308.3, 20.5, 20.5, 0.0); (636662.8, 4176297.4, 20.5, 20.5, 0.0);
(636641.3, 4176286.5, 20.5, 20.5, 0.0); (636619.7, 4176275.7, 20.6, 20.6, 0.0);
(636598.2, 4176264.8, 20.7, 20.7, 0.0); (636576.6, 4176253.9, 20.8, 20.8, 0.0);
(636555.1, 4176243.1, 20.8, 20.8, 0.0); (636533.5, 4176232.2, 20.9, 20.9, 0.0);
(636512.0, 4176221.3, 21.0, 21.0, 0.0); (636490.4, 4176210.5, 21.1, 21.1, 0.0);
(636468.9, 4176199.6, 21.1, 21.1, 0.0); (636447.3, 4176188.7, 21.6, 21.6, 0.0);
(636425.8, 4176177.9, 22.0, 22.0, 0.0); (636404.2, 4176167.0, 21.7, 21.7, 0.0);
(636382.7, 4176156.1, 21.6, 21.6, 0.0); (636361.2, 4176145.3, 21.9, 21.9, 0.0);
(636889.5, 4176383.7, 20.7, 20.7, 0.0); (636868.0, 4176372.9, 20.9, 20.9, 0.0);
(636846.4, 4176362.0, 21.1, 21.1, 0.0); (636824.9, 4176351.1, 20.9, 20.9, 0.0);
(636803.4, 4176340.3, 21.2, 21.2, 0.0); (636781.8, 4176329.4, 21.0, 21.0, 0.0);
(636760.2, 4176318.5, 20.6, 20.6, 0.0); (636738.7, 4176307.7, 20.6, 20.6, 0.0);
(636717.2, 4176296.8, 20.8, 20.8, 0.0); (636695.6, 4176285.9, 20.6, 20.6, 0.0);
(636674.1, 4176275.1, 20.6, 20.6, 0.0); (636652.5, 4176264.2, 20.8, 20.8, 0.0);
(636631.0, 4176253.3, 21.0, 21.0, 0.0); (636609.4, 4176242.5, 20.6, 20.6, 0.0);
(636587.9, 4176231.6, 21.0, 21.0, 0.0); (636566.3, 4176220.7, 21.0, 21.0, 0.0);
(636544.8, 4176209.9, 21.0, 21.0, 0.0); (636523.2, 4176199.0, 21.1, 21.1, 0.0);
(636501.7, 4176188.1, 21.4, 21.4, 0.0); (636480.1, 4176177.3, 21.0, 21.0, 0.0);
(636458.6, 4176166.4, 21.5, 21.5, 0.0); (636437.1, 4176155.5, 21.8, 21.8, 0.0);
(636415.5, 4176144.7, 21.7, 21.7, 0.0); (636394.0, 4176133.8, 21.4, 21.4, 0.0);
(636372.4, 4176122.9, 22.0, 22.0, 0.0); (636311.8, 4176274.7, 20.8, 20.8, 0.0);
(636333.6, 4176285.8, 21.4, 21.4, 0.0); (636355.4, 4176296.8, 20.6, 20.6, 0.0);
(636377.1, 4176307.8, 20.3, 20.3, 0.0); (636398.9,

```
4176318.8,      20.2,      20.2,       0.0);
     ( 636420.7, 4176329.9,      20.2,      20.2,       0.0);         ( 636442.5,
4176340.9,      20.2,      20.2,       0.0);
     ( 636464.3, 4176351.9,      20.1,      20.1,       0.0);         ( 636486.1,
4176362.9,      20.2,      20.2,       0.0);
     ( 636507.9, 4176373.9,      20.2,      20.2,       0.0);         ( 636529.7,
4176385.0,      20.2,      20.2,       0.0);
     ( 636551.5, 4176396.0,      20.2,      20.2,       0.0);         ( 636573.3,
4176407.0,      20.1,      20.1,       0.0);
     ( 636595.1, 4176418.0,      20.1,      20.1,       0.0);         ( 636616.9,
4176429.1,      20.1,      20.1,       0.0);
     ( 636638.6, 4176440.1,      20.1,      20.1,       0.0);         ( 636660.4,
4176451.1,      20.2,      20.2,       0.0);
     ( 636682.2, 4176462.1,      20.0,      20.0,       0.0);         ( 636704.0,
4176473.2,      20.0,      20.0,       0.0);
     ( 636725.8, 4176484.2,      19.8,      19.8,       0.0);         ( 636747.6,
4176495.2,      19.8,      19.8,       0.0);
     ( 636769.4, 4176506.2,      20.0,      20.0,       0.0);         ( 636791.2,
4176517.3,      20.0,      20.0,       0.0);
     ( 636813.0, 4176528.3,      20.2,      20.2,       0.0);         ( 636834.8,
4176539.3,      20.3,      20.3,       0.0);
     ( 636856.6, 4176550.3,      20.2,      20.2,       0.0);         ( 636878.3,
4176561.3,      20.3,      20.3,       0.0);
     ( 636900.1, 4176572.4,      20.3,      20.3,       0.0);         ( 636921.9,
4176583.4,      20.3,      20.3,       0.0);
     ( 636943.7, 4176594.4,      20.3,      20.3,       0.0);         ( 636965.5,
4176605.4,      20.2,      20.2,       0.0);
     ( 636987.3, 4176616.5,      20.2,      20.2,       0.0);         ( 637009.1,
4176627.5,      20.4,      20.4,       0.0);
     ( 637030.9, 4176638.5,      20.5,      20.5,       0.0);         ( 637052.7,
4176649.5,      20.4,      20.4,       0.0);
     ( 637074.5, 4176660.6,      20.4,      20.4,       0.0);         ( 637096.2,
4176671.6,      20.4,      20.4,       0.0);
     ( 637118.0, 4176682.6,      20.6,      20.6,       0.0);         ( 637139.8,
4176693.6,      21.2,      21.2,       0.0);
     ( 636289.8, 4176286.7,      20.6,      20.6,       0.0);         ( 636322.3,
4176308.1,      20.8,      20.8,       0.0);
     ( 636344.1, 4176319.1,      20.6,      20.6,       0.0);         ( 636365.9,
4176330.1,      20.1,      20.1,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(636387.7, 4176341.1, 20.1, 20.1, 0.0); (636409.4, 4176352.2, 20.1, 20.1, 0.0);
(636431.2, 4176363.2, 19.9, 19.9, 0.0); (636453.0, 4176374.2, 19.9, 19.9, 0.0);
(636474.8, 4176385.2, 19.9, 19.9, 0.0); (636496.6, 4176396.3, 19.8, 19.8, 0.0);
(636518.4, 4176407.3, 19.8, 19.8, 0.0); (636540.2, 4176418.3, 19.8, 19.8, 0.0);
(636562.0, 4176429.3, 19.9, 19.9, 0.0); (636583.8, 4176440.4, 19.8, 19.8, 0.0);
(636605.6, 4176451.4, 19.8, 19.8, 0.0); (636627.4, 4176462.4, 19.9, 19.9, 0.0);
(636649.1, 4176473.4, 19.8, 19.8, 0.0); (636670.9, 4176484.4, 19.9, 19.9, 0.0);
(636692.7, 4176495.5, 19.9, 19.9, 0.0); (636714.5, 4176506.5, 19.8, 19.8, 0.0);
(636736.3, 4176517.5, 19.8, 19.8, 0.0); (636758.1, 4176528.5, 19.9, 19.9, 0.0);
(636779.9, 4176539.6, 19.9, 19.9, 0.0); (636801.7, 4176550.6, 20.0, 20.0, 0.0);
(636823.5, 4176561.6, 20.1, 20.1, 0.0); (636845.3, 4176572.6, 20.1, 20.1, 0.0);
(636867.1, 4176583.7, 20.2, 20.2, 0.0); (636888.9, 4176594.7, 20.1, 20.1, 0.0);
(636910.6, 4176605.7, 20.1, 20.1, 0.0); (636932.4, 4176616.7, 20.1, 20.1, 0.0);
(636954.2, 4176627.8, 19.9, 19.9, 0.0); (636976.0, 4176638.8, 19.9, 19.9, 0.0);
(636997.8, 4176649.8, 19.8, 19.8, 0.0); (637019.6, 4176660.8, 19.8, 19.8, 0.0);
(637041.4, 4176671.8, 19.8, 19.8, 0.0); (637063.2, 4176682.9, 20.1, 20.1, 0.0);
(637085.0, 4176693.9, 19.6, 19.6, 0.0); (637106.8, 4176704.9, 20.1, 20.1, 0.0);
(637128.6, 4176715.9, 21.0, 21.0, 0.0); (636273.2, 4176303.8, 19.9, 19.9, 0.0);
(636311.0, 4176330.4, 20.6, 20.6, 0.0); (636332.8, 4176341.4, 20.7, 20.7, 0.0);
(636354.6, 4176352.4, 20.0, 20.0, 0.0); (636376.4, 4176363.4, 19.7, 19.7, 0.0);
(636398.2, 4176374.5, 19.6, 19.6, 0.0); (636420.0, 4176385.5, 19.5, 19.5, 0.0);
(636441.7, 4176396.5, 19.4, 19.4, 0.0); (636463.5, 4176407.5, 19.4, 19.4, 0.0);
(636485.3, 4176418.6, 19.3, 19.3, 0.0); (636507.1, 4176429.6, 19.2, 19.2, 0.0);
(636528.9, 4176440.6, 19.2, 19.2, 0.0); (636550.7, 4176451.6, 19.1, 19.1, 0.0);
(636572.5, 4176462.7, 19.0, 19.0, 0.0); (636594.3, 4176473.7, 19.4, 19.4, 0.0);
(636616.1, 4176484.7, 19.8, 19.8, 0.0); (636637.9,

```
4176495.7,      19.6,      19.6,       0.0);
     ( 636659.7, 4176506.8,      19.4,      19.4,       0.0);         ( 636681.4,
4176517.8,      19.9,      19.9,       0.0);
     ( 636703.2, 4176528.8,      19.7,      19.7,       0.0);         ( 636725.0,
4176539.8,      19.2,      19.2,       0.0);
     ( 636746.8, 4176550.8,      19.3,      19.3,       0.0);         ( 636768.6,
4176561.9,      19.4,      19.4,       0.0);
     ( 636790.4, 4176572.9,      19.4,      19.4,       0.0);         ( 636812.2,
4176583.9,      19.5,      19.5,       0.0);
     ( 636834.0, 4176594.9,      19.6,      19.6,       0.0);         ( 636855.8,
4176606.0,      19.7,      19.7,       0.0);
     ( 636877.6, 4176617.0,      19.6,      19.6,       0.0);         ( 636899.4,
4176628.0,      19.5,      19.5,       0.0);
     ( 636921.1, 4176639.0,      19.4,      19.4,       0.0);         ( 636942.9,
4176650.1,      19.4,      19.4,       0.0);
     ( 636964.7, 4176661.1,      19.3,      19.3,       0.0);         ( 636986.5,
4176672.1,      19.3,      19.3,       0.0);
     ( 637008.3, 4176683.1,      19.6,      19.6,       0.0);         ( 637030.1,
4176694.2,      19.9,      19.9,       0.0);
     ( 637051.9, 4176705.2,      19.9,      19.9,       0.0);         ( 637073.7,
4176716.2,      19.3,      19.3,       0.0);
     ( 637095.5, 4176727.2,      19.9,      19.9,       0.0);         ( 637117.3,
4176738.2,      20.4,      20.4,       0.0);
     ( 636263.7, 4176327.8,      19.6,      19.6,       0.0);         ( 636299.7,
4176352.7,      20.2,      20.2,       0.0);
     ( 636321.5, 4176363.7,      20.3,      20.3,       0.0);         ( 636343.3,
4176374.7,      20.1,      20.1,       0.0);
     ( 636365.1, 4176385.8,      19.9,      19.9,       0.0);         ( 636386.9,
4176396.8,      19.8,      19.8,       0.0);
     ( 636408.7, 4176407.8,      19.5,      19.5,       0.0);         ( 636430.5,
4176418.8,      19.9,      19.9,       0.0);
     ( 636452.2, 4176429.9,      19.9,      19.9,       0.0);         ( 636474.0,
4176440.9,      19.8,      19.8,       0.0);
     ( 636495.8, 4176451.9,      19.7,      19.7,       0.0);         ( 636517.6,
4176462.9,      19.6,      19.6,       0.0);
     ( 636539.4, 4176473.9,      19.6,      19.6,       0.0);         ( 636561.2,
4176485.0,      19.2,      19.2,       0.0);
     ( 636583.0, 4176496.0,      19.3,      19.3,       0.0);         ( 636604.8,
4176507.0,      19.7,      19.7,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(636626.6, 4176518.0, 19.6, 19.6, 0.0); (636648.4, 4176529.1, 19.4, 19.4, 0.0);
(636670.2, 4176540.1, 19.8, 19.8, 0.0); (636692.0, 4176551.1, 19.7, 19.7, 0.0);
(636713.7, 4176562.1, 19.1, 19.1, 0.0); (636735.5, 4176573.2, 19.8, 19.8, 0.0);
(636757.3, 4176584.2, 20.0, 20.0, 0.0); (636779.1, 4176595.2, 20.0, 20.0, 0.0);
(636800.9, 4176606.2, 20.0, 20.0, 0.0); (636822.7, 4176617.2, 20.1, 20.1, 0.0);
(636844.5, 4176628.3, 20.1, 20.1, 0.0); (636866.3, 4176639.3, 20.2, 20.2, 0.0);
(636888.1, 4176650.3, 20.1, 20.1, 0.0); (636909.9, 4176661.3, 20.0, 20.0, 0.0);
(636931.7, 4176672.4, 19.9, 19.9, 0.0); (636953.4, 4176683.4, 19.8, 19.8, 0.0);
(636975.2, 4176694.4, 19.7, 19.7, 0.0); (636997.0, 4176705.4, 19.3, 19.3, 0.0);
(637018.8, 4176716.5, 19.1, 19.1, 0.0); (637040.6, 4176727.5, 19.4, 19.4, 0.0);
(637062.4, 4176738.5, 19.3, 19.3, 0.0); (637084.2, 4176749.5, 19.7, 19.7, 0.0);
(637106.0, 4176760.6, 19.9, 19.9, 0.0); (637161.7, 4176704.4, 21.9, 21.9, 0.0);
(637183.3, 4176714.9, 19.0, 22.2, 0.0); (637204.9, 4176725.5, 20.0, 20.0, 0.0);
(637226.5, 4176736.1, 20.2, 20.2, 0.0); (637248.1, 4176746.7, 20.4, 20.4, 0.0);
(637269.7, 4176757.3, 20.5, 20.5, 0.0); (637291.3, 4176767.9, 20.5, 20.5, 0.0);
(637312.9, 4176778.5, 20.5, 20.5, 0.0); (637334.5, 4176789.1, 20.6, 20.6, 0.0);
(637356.1, 4176799.7, 20.6, 20.6, 0.0); (637377.7, 4176810.3, 20.7, 20.7, 0.0);
(637399.3, 4176820.8, 20.6, 20.6, 0.0); (637420.9, 4176831.4, 20.6, 20.6, 0.0);
(637150.7, 4176726.8, 21.3, 21.3, 0.0); (637172.3, 4176737.4, 19.0, 21.6, 0.0);
(637193.9, 4176748.0, 20.0, 20.0, 0.0); (637215.5, 4176758.6, 19.9, 19.9, 0.0);
(637237.1, 4176769.2, 20.0, 20.0, 0.0); (637258.7, 4176779.8, 20.1, 20.1, 0.0);
(637280.3, 4176790.3, 20.2, 20.2, 0.0); (637301.9, 4176800.9, 20.3, 20.3, 0.0);
(637323.5, 4176811.5, 20.3, 20.3, 0.0); (637345.1, 4176822.1, 20.4, 20.4, 0.0);
(637366.7, 4176832.7, 20.5, 20.5, 0.0); (637388.3, 4176843.3, 20.3, 20.3, 0.0);
(637409.9, 4176853.9, 20.1, 20.1, 0.0); (637139.7, 4176749.3, 20.5, 20.5, 0.0);
(637161.3, 4176759.8, 19.4, 19.4, 0.0); (637182.9,

```
4176770.4,      19.7,      19.7,       0.0);
     ( 637204.5, 4176781.0,      19.2,      19.2,       0.0);         ( 637226.1,
4176791.6,      19.4,      19.4,       0.0);
     ( 637247.7, 4176802.2,      19.4,      19.4,       0.0);         ( 637269.3,
4176812.8,      19.5,      19.5,       0.0);
     ( 637290.9, 4176823.4,      19.6,      19.6,       0.0);         ( 637312.5,
4176834.0,      19.7,      19.7,       0.0);
     ( 637334.1, 4176844.6,      19.8,      19.8,       0.0);         ( 637355.7,
4176855.1,      19.9,      19.9,       0.0);
     ( 637377.3, 4176865.7,      19.8,      19.8,       0.0);         ( 637398.9,
4176876.3,      19.7,      19.7,       0.0);
     ( 637128.7, 4176771.7,      19.4,      19.4,       0.0);         ( 637150.3,
4176782.3,      19.8,      19.8,       0.0);
     ( 637171.9, 4176792.9,      19.6,      19.6,       0.0);         ( 637193.5,
4176803.5,      19.3,      19.3,       0.0);
     ( 637215.1, 4176814.1,      19.9,      19.9,       0.0);         ( 637236.7,
4176824.6,      20.0,      20.0,       0.0);
     ( 637258.3, 4176835.2,      20.0,      20.0,       0.0);         ( 637279.9,
4176845.8,      20.1,      20.1,       0.0);
     ( 637301.5, 4176856.4,      20.1,      20.1,       0.0);         ( 637323.1,
4176867.0,      20.2,      20.2,       0.0);
     ( 637344.7, 4176877.6,      20.3,      20.3,       0.0);         ( 637366.3,
4176888.2,      20.3,      20.3,       0.0);
     ( 637387.9, 4176898.8,      20.1,      20.1,       0.0);         ( 637442.9,
4176842.6,      20.4,      20.4,       0.0);
     ( 637465.2, 4176853.9,      20.5,      20.5,       0.0);         ( 637487.5,
4176865.2,      20.5,      20.5,       0.0);
     ( 637509.8, 4176876.5,      20.5,      20.5,       0.0);         ( 637532.1,
4176887.8,      20.6,      20.6,       0.0);
     ( 637554.4, 4176899.0,      20.4,      20.4,       0.0);         ( 637576.7,
4176910.3,      20.2,      20.2,       0.0);
     ( 637599.0, 4176921.6,      20.3,      20.3,       0.0);         ( 637621.3,
4176932.9,      20.2,      20.2,       0.0);
     ( 637643.6, 4176944.2,      20.2,      20.2,       0.0);         ( 637665.9,
4176955.5,      20.1,      20.1,       0.0);
     ( 637688.2, 4176966.8,      20.1,      20.1,       0.0);         ( 637710.5,
4176978.1,      20.1,      20.1,       0.0);
     ( 637732.8, 4176989.4,      20.2,      20.2,       0.0);         ( 637755.1,
4177000.7,      20.2,      20.2,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637777.4, 4177012.0, 20.4, 20.4, 0.0); (637799.6, 4177023.3, 20.1, 20.1, 0.0);
(637821.9, 4177034.6, 20.0, 20.0, 0.0); (637844.2, 4177045.8, 20.1, 20.1, 0.0);
(637866.5, 4177057.1, 20.1, 20.1, 0.0); (637431.6, 4176864.9, 20.1, 20.1, 0.0);
(637453.9, 4176876.2, 20.2, 20.2, 0.0); (637476.2, 4176887.5, 20.2, 20.2, 0.0);
(637498.5, 4176898.8, 20.3, 20.3, 0.0); (637520.8, 4176910.1, 20.3, 20.3, 0.0);
(637543.1, 4176921.3, 20.2, 20.2, 0.0); (637565.4, 4176932.6, 20.3, 20.3, 0.0);
(637587.7, 4176943.9, 20.3, 20.3, 0.0); (637610.0, 4176955.2, 20.3, 20.3, 0.0);
(637632.3, 4176966.5, 20.2, 20.2, 0.0); (637654.6, 4176977.8, 20.1, 20.1, 0.0);
(637676.9, 4176989.1, 20.2, 20.2, 0.0); (637699.2, 4177000.4, 20.1, 20.1, 0.0);
(637721.5, 4177011.7, 20.1, 20.1, 0.0); (637743.8, 4177023.0, 20.0, 20.0, 0.0);
(637766.1, 4177034.3, 20.1, 20.1, 0.0); (637788.4, 4177045.6, 20.0, 20.0, 0.0);
(637810.6, 4177056.9, 19.9, 19.9, 0.0); (637832.9, 4177068.2, 20.0, 20.0, 0.0);
(637855.2, 4177079.4, 20.0, 20.0, 0.0); (637420.3, 4176887.2, 19.5, 19.5, 0.0);
(637442.6, 4176898.5, 19.5, 19.5, 0.0); (637464.9, 4176909.8, 19.6, 19.6, 0.0);
(637487.2, 4176921.1, 19.6, 19.6, 0.0); (637509.5, 4176932.4, 19.7, 19.7, 0.0);
(637531.8, 4176943.7, 19.7, 19.7, 0.0); (637554.1, 4176954.9, 19.8, 19.8, 0.0);
(637576.4, 4176966.2, 19.9, 19.9, 0.0); (637598.7, 4176977.5, 19.9, 19.9, 0.0);
(637621.0, 4176988.8, 19.9, 19.9, 0.0); (637643.3, 4177000.1, 19.8, 19.8, 0.0);
(637665.6, 4177011.4, 19.8, 19.8, 0.0); (637687.9, 4177022.7, 19.7, 19.7, 0.0);
(637710.2, 4177034.0, 19.8, 19.8, 0.0); (637732.5, 4177045.3, 19.6, 19.6, 0.0);
(637754.8, 4177056.6, 20.0, 20.0, 0.0); (637777.1, 4177067.9, 19.9, 19.9, 0.0);
(637799.4, 4177079.2, 19.9, 19.9, 0.0); (637821.7, 4177090.5, 19.9, 19.9, 0.0);
(637843.9, 4177101.8, 20.0, 20.0, 0.0); (637409.0, 4176909.5, 19.7, 19.7, 0.0);
(637431.3, 4176920.8, 19.6, 19.6, 0.0); (637453.6, 4176932.1, 20.1, 20.1, 0.0);
(637475.9, 4176943.4, 20.0, 20.0, 0.0); (637498.2, 4176954.7, 20.1, 20.1, 0.0);
(637520.5, 4176966.0, 19.7, 19.7, 0.0); (637542.8,

```
4176977.2,      19.9,      19.9,       0.0);
     ( 637565.1, 4176988.5,      20.1,      20.1,       0.0);         ( 637587.4,
4176999.8,      20.1,      20.1,       0.0);
     ( 637609.7, 4177011.1,      20.1,      20.1,       0.0);         ( 637632.0,
4177022.4,      20.1,      20.1,       0.0);
     ( 637654.3, 4177033.7,      20.1,      20.1,       0.0);         ( 637676.6,
4177045.0,      20.0,      20.0,       0.0);
     ( 637698.9, 4177056.3,      19.6,      19.6,       0.0);         ( 637721.2,
4177067.6,      19.5,      19.5,       0.0);
     ( 637743.5, 4177078.9,      19.8,      19.8,       0.0);         ( 637765.8,
4177090.2,      20.2,      20.2,       0.0);
     ( 637788.1, 4177101.5,      19.8,      19.8,       0.0);         ( 637810.4,
4177112.8,      19.9,      19.9,       0.0);
     ( 637832.7, 4177124.0,      19.9,      19.9,       0.0);         ( 637902.3,
4177074.8,      20.2,      20.2,       0.0);
     ( 637937.8, 4177092.3,      21.1,      21.1,       0.0);         ( 637891.2,
4177097.2,      19.7,      19.7,       0.0);
     ( 637926.8, 4177114.7,      20.7,      20.7,       0.0);         ( 637880.2,
4177119.6,      19.8,      19.8,       0.0);
     ( 637915.7, 4177137.1,      20.1,      20.1,       0.0);         ( 637869.1,
4177142.0,      19.9,      19.9,       0.0);
     ( 637904.7, 4177159.6,      19.9,      19.9,       0.0);         ( 637958.2,
4177145.7,      20.1,      20.1,       0.0);
     ( 637979.5, 4177156.5,      20.1,      20.1,       0.0);         ( 638000.8,
4177167.3,      19.8,      19.8,       0.0);
     ( 638022.1, 4177178.1,      19.9,      19.9,       0.0);         ( 638043.4,
4177188.9,      20.0,      20.0,       0.0);
     ( 638064.7, 4177199.8,      20.1,      20.1,       0.0);         ( 638086.0,
4177210.6,      20.1,      20.1,       0.0);
     ( 638107.3, 4177221.4,      20.0,      20.0,       0.0);         ( 638128.6,
4177232.2,      19.9,      19.9,       0.0);
     ( 638149.9, 4177243.0,      19.8,      19.8,       0.0);         ( 638171.2,
4177253.8,      19.9,      19.9,       0.0);
     ( 638192.5, 4177264.6,      20.0,      20.0,       0.0);         ( 638213.8,
4177275.4,      20.1,      20.1,       0.0);
     ( 638235.1, 4177286.2,      20.2,      20.2,       0.0);         ( 638256.4,
4177297.0,      20.1,      20.1,       0.0);
     ( 638277.8, 4177307.8,      20.0,      20.0,       0.0);         ( 637946.9,
4177168.0,      20.0,      20.0,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637968.2, 4177178.8, 19.9, 19.9, 0.0); (637989.5, 4177189.6, 19.6, 19.6, 0.0);
(638010.8, 4177200.4, 20.2, 20.2, 0.0); (638032.1, 4177211.2, 20.3, 20.3, 0.0);
(638053.4, 4177222.0, 20.3, 20.3, 0.0); (638074.7, 4177232.8, 20.4, 20.4, 0.0);
(638096.0, 4177243.7, 20.3, 20.3, 0.0); (638117.3, 4177254.5, 20.2, 20.2, 0.0);
(638138.6, 4177265.3, 20.0, 20.0, 0.0); (638159.9, 4177276.1, 20.1, 20.1, 0.0);
(638181.2, 4177286.9, 20.3, 20.3, 0.0); (638202.5, 4177297.7, 20.4, 20.4, 0.0);
(638223.8, 4177308.5, 20.5, 20.5, 0.0); (638245.1, 4177319.3, 20.5, 20.5, 0.0);
(638266.4, 4177330.1, 20.2, 20.2, 0.0); (637935.6, 4177190.3, 19.5, 19.5, 0.0);
(637956.9, 4177201.1, 19.9, 19.9, 0.0); (637978.2, 4177211.9, 19.6, 19.6, 0.0);
(637999.5, 4177222.7, 19.7, 19.7, 0.0); (638020.8, 4177233.5, 19.9, 19.9, 0.0);
(638042.1, 4177244.3, 20.0, 20.0, 0.0); (638063.4, 4177255.1, 20.1, 20.1, 0.0);
(638084.7, 4177266.0, 20.1, 20.1, 0.0); (638106.0, 4177276.8, 20.2, 20.2, 0.0);
(638127.3, 4177287.6, 19.8, 19.8, 0.0); (638148.6, 4177298.4, 19.8, 19.8, 0.0);
(638169.9, 4177309.2, 20.3, 20.3, 0.0); (638191.2, 4177320.0, 20.0, 20.0, 0.0);
(638212.5, 4177330.8, 20.1, 20.1, 0.0); (638233.8, 4177341.6, 20.2, 20.2, 0.0);
(638255.1, 4177352.4, 19.8, 19.8, 0.0); (637889.5, 4177189.3, 19.7, 19.7, 0.0);
(637924.3, 4177212.6, 19.4, 19.4, 0.0); (637945.6, 4177223.4, 19.3, 19.3, 0.0);
(637966.9, 4177234.2, 19.2, 19.2, 0.0); (637988.2, 4177245.0, 19.2, 19.2, 0.0);
(638009.5, 4177255.8, 19.5, 19.5, 0.0); (638030.8, 4177266.6, 19.6, 19.6, 0.0);
(638052.1, 4177277.4, 19.7, 19.7, 0.0); (638073.4, 4177288.2, 19.8, 19.8, 0.0);
(638094.7, 4177299.1, 19.8, 19.8, 0.0); (638116.0, 4177309.9, 19.7, 19.7, 0.0);
(638137.3, 4177320.7, 19.7, 19.7, 0.0); (638158.6, 4177331.5, 20.1, 20.1, 0.0);
(638179.9, 4177342.3, 19.8, 19.8, 0.0); (638201.2, 4177353.1, 19.9, 19.9, 0.0);
(638222.5, 4177363.9, 20.1, 20.1, 0.0); (638243.8, 4177374.7, 19.6, 19.6, 0.0);
(638299.0, 4177318.5, 20.2, 20.2, 0.0); (638320.2, 4177329.2, 20.2, 20.2, 0.0);
(638341.5, 4177339.9, 19.7, 19.7, 0.0); (638287.8,

```
4177340.9,      19.9,      19.9,       0.0);
     ( 638309.0, 4177351.6,      19.7,      19.7,       0.0);         ( 638330.2,
4177362.3,      19.4,      19.4,       0.0);
     ( 638276.5, 4177363.2,      20.0,      20.0,       0.0);         ( 638297.8,
4177373.9,      19.4,      19.4,       0.0);
     ( 638319.0, 4177384.6,      19.3,      19.3,       0.0);         ( 638265.3,
4177385.5,      20.0,      20.0,       0.0);
     ( 638286.5, 4177396.2,      19.5,      19.5,       0.0);         ( 638307.7,
4177406.9,      19.3,      19.3,       0.0);
     ( 638380.8, 4177333.5,      19.5,      19.5,       0.0);         ( 638418.7,
4177318.6,      19.7,      19.7,       0.0);
     ( 638357.4, 4177363.5,      19.3,      19.3,       0.0);         ( 638389.9,
4177356.7,      19.4,      19.4,       0.0);
     ( 638427.8, 4177341.9,      19.5,      19.5,       0.0);         ( 638364.8,
4177386.7,      19.3,      19.3,       0.0);
     ( 638399.1, 4177380.0,      19.4,      19.4,       0.0);         ( 638436.9,
4177365.1,      19.4,      19.4,       0.0);
     ( 638372.9, 4177409.9,      19.3,      19.3,       0.0);         ( 638340.3,
4177408.4,      19.4,      19.4,       0.0);
     ( 638408.2, 4177403.3,      19.3,      19.3,       0.0);         ( 638446.1,
4177388.4,      19.2,      19.2,       0.0);
     ( 638463.9, 4177349.8,      19.4,      19.4,       0.0);         ( 638485.7,
4177360.5,      19.2,      19.2,       0.0);
     ( 638474.7, 4177382.9,      19.1,      19.1,       0.0);         ( 638463.7,
4177405.4,      18.9,      18.9,       0.0);
     ( 638430.9, 4177417.1,      19.1,      19.1,       0.0);         ( 638452.7,
4177427.8,      18.9,      18.9,       0.0);
     ( 638506.4, 4177371.0,      19.0,      19.0,       0.0);         ( 638527.4,
4177381.8,      19.0,      19.0,       0.0);
     ( 638548.5, 4177392.5,      18.9,      18.9,       0.0);         ( 638569.5,
4177403.3,      18.8,      18.8,       0.0);
     ( 638590.6, 4177414.0,      18.6,      18.6,       0.0);         ( 638611.7,
4177424.8,      18.7,      18.7,       0.0);
     ( 638495.0, 4177393.3,      18.8,      18.8,       0.0);         ( 638516.1,
4177404.0,      18.7,      18.7,       0.0);
     ( 638537.1, 4177414.8,      18.6,      18.6,       0.0);         ( 638558.2,
4177425.5,      18.5,      18.5,       0.0);
     ( 638579.2, 4177436.3,      18.5,      18.5,       0.0);         ( 638600.3,
4177447.0,      18.4,      18.4,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638504.7, 4177426.3, 18.5, 18.5, 0.0); (638525.7, 4177437.0, 18.5, 18.5, 0.0);
(638546.8, 4177447.8, 18.2, 18.2, 0.0); (638567.9, 4177458.6, 18.3, 18.3, 0.0);
(638588.9, 4177469.3, 18.4, 18.4, 0.0); (638493.3, 4177448.6, 18.4, 18.4, 0.0);
(638514.4, 4177459.3, 18.6, 18.6, 0.0); (638535.4, 4177470.1, 18.4, 18.4, 0.0);
(638556.5, 4177480.8, 18.5, 18.5, 0.0); (638577.5, 4177491.6, 18.6, 18.6, 0.0);
(638632.3, 4177435.1, 18.8, 18.8, 0.0); (638652.8, 4177445.4, 18.9, 18.9, 0.0);
(638673.3, 4177455.7, 18.9, 18.9, 0.0); (638693.9, 4177466.0, 18.8, 18.8, 0.0);
(638714.4, 4177476.3, 19.1, 19.1, 0.0); (638734.9, 4177486.6, 19.0, 19.0, 0.0);
(638621.1, 4177457.5, 18.7, 18.7, 0.0); (638641.6, 4177467.8, 18.7, 18.7, 0.0);
(638662.1, 4177478.1, 18.6, 18.6, 0.0); (638682.6, 4177488.4, 18.6, 18.6, 0.0);
(638703.2, 4177498.7, 18.7, 18.7, 0.0); (638723.7, 4177508.9, 19.0, 19.0, 0.0);
(638609.9, 4177479.8, 18.6, 18.6, 0.0); (638630.4, 4177490.1, 18.6, 18.6, 0.0);
(638650.9, 4177500.4, 18.7, 18.7, 0.0); (638671.4, 4177510.7, 18.7, 18.7, 0.0);
(638692.0, 4177521.0, 18.7, 18.7, 0.0); (638712.5, 4177531.3, 18.9, 18.9, 0.0);
(638598.7, 4177502.2, 18.7, 18.7, 0.0); (638619.2, 4177512.5, 18.7, 18.7, 0.0);
(638639.7, 4177522.8, 18.6, 18.6, 0.0); (638660.2, 4177533.1, 18.5, 18.5, 0.0);
(638680.7, 4177543.3, 18.6, 18.6, 0.0); (638701.2, 4177553.6, 18.8, 18.8, 0.0);
(638774.7, 4177506.1, 19.0, 19.0, 0.0); (638814.3, 4177525.5, 18.7, 18.7, 0.0);
(638854.0, 4177544.9, 18.3, 18.3, 0.0); (638893.6, 4177564.3, 18.4, 18.4, 0.0);
(638763.7, 4177528.6, 18.9, 18.9, 0.0); (638803.3, 4177548.0, 18.4, 18.4, 0.0);
(638843.0, 4177567.4, 18.2, 18.2, 0.0); (638882.6, 4177586.8, 18.0, 18.0, 0.0);
(638732.9, 4177541.3, 18.7, 18.7, 0.0); (638772.5, 4177560.7, 18.4, 18.4, 0.0);
(638812.2, 4177580.1, 18.0, 18.0, 0.0); (638851.8, 4177599.5, 17.8, 17.8, 0.0);
(638721.9, 4177563.8, 18.7, 18.7, 0.0); (638761.5, 4177583.2, 18.4, 18.4, 0.0);
(638801.2, 4177602.6, 18.1, 18.1, 0.0); (638840.8, 4177622.0, 17.6, 17.6, 0.0);
(638915.7, 4177574.8, 18.3, 18.3, 0.0); (638937.5,

4177585.2,	18.2,	18.2,	0.0);
	(638959.4, 4177595.6,	18.1,	18.1,	0.0);	(638981.3,
4177606.0,	17.9,	17.9,	0.0);
	(638905.0, 4177597.4,	18.0,	18.0,	0.0);	(638926.8,
4177607.8,	17.9,	17.9,	0.0);
	(638948.7, 4177618.2,	17.8,	17.8,	0.0);	(638970.5,
4177628.5,	17.8,	17.8,	0.0);
	(638872.4, 4177609.6,	17.7,	17.7,	0.0);	(638894.2,
4177620.0,	17.8,	17.8,	0.0);
	(638916.1, 4177630.4,	17.8,	17.8,	0.0);	(638937.9,
4177640.7,	17.7,	17.7,	0.0);
	(638959.8, 4177651.1,	17.6,	17.6,	0.0);	(638861.6,
4177632.2,	17.5,	17.5,	0.0);
	(638883.5, 4177642.5,	17.7,	17.7,	0.0);	(638905.4,
4177652.9,	17.7,	17.7,	0.0);
	(638927.2, 4177663.3,	17.2,	17.2,	0.0);	(638949.1,
4177673.7,	17.5,	17.5,	0.0);
	(639019.3, 4177624.1,	17.7,	17.7,	0.0);	(639057.4,
4177642.3,	17.5,	17.5,	0.0);
	(639095.5, 4177660.4,	17.5,	17.5,	0.0);	(639008.5,
4177646.7,	17.8,	17.8,	0.0);
	(639046.6, 4177664.8,	17.7,	17.7,	0.0);	(639084.7,
4177683.0,	17.5,	17.5,	0.0);
	(638997.8, 4177669.2,	17.7,	17.7,	0.0);	(639035.9,
4177687.4,	17.7,	17.7,	0.0);
	(639073.9, 4177705.6,	17.3,	17.3,	0.0);	(638987.0,
4177691.8,	17.5,	17.5,	0.0);
	(639025.1, 4177710.0,	17.6,	17.6,	0.0);	(639063.2,
4177728.1,	17.2,	17.2,	0.0);
	(639133.4, 4177679.8,	17.4,	17.4,	0.0);	(639172.0,
4177699.5,	17.4,	17.4,	0.0);
	(639122.1, 4177702.1,	17.3,	17.3,	0.0);	(639160.6,
4177721.8,	17.4,	17.4,	0.0);
	(639110.7, 4177724.4,	17.3,	17.3,	0.0);	(639149.2,
4177744.0,	17.3,	17.3,	0.0);
	(639099.3, 4177746.6,	17.2,	17.2,	0.0);	(639137.9,
4177766.3,	17.2,	17.2,	0.0);
	(639193.0, 4177710.0,	17.3,	17.3,	0.0);	(639213.7,
4177720.4,	17.3,	17.3,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(639234.5, 4177730.8, 17.2, 17.2, 0.0); (639255.3, 4177741.2, 17.2, 17.2, 0.0);
(639276.1, 4177751.6, 17.1, 17.1, 0.0); (639296.9, 4177761.9, 17.1, 17.1, 0.0);
(639181.8, 4177732.3, 17.3, 17.3, 0.0); (639202.6, 4177742.7, 17.2, 17.2, 0.0);
(639223.4, 4177753.1, 16.9, 16.9, 0.0); (639244.1, 4177763.5, 16.9, 16.9, 0.0);
(639264.9, 4177773.9, 17.0, 17.0, 0.0); (639285.7, 4177784.3, 17.1, 17.1, 0.0);
(639170.6, 4177754.7, 17.3, 17.3, 0.0); (639191.4, 4177765.1, 17.2, 17.2, 0.0);
(639212.2, 4177775.5, 17.0, 17.0, 0.0); (639233.0, 4177785.9, 16.8, 16.8, 0.0);
(639253.8, 4177796.3, 16.9, 16.9, 0.0); (639274.6, 4177806.7, 16.9, 16.9, 0.0);
(639159.4, 4177777.0, 17.2, 17.2, 0.0); (639180.2, 4177787.4, 17.2, 17.2, 0.0);
(639201.0, 4177797.8, 17.1, 17.1, 0.0); (639221.8, 4177808.2, 16.7, 16.7, 0.0);
(639242.6, 4177818.6, 16.8, 16.8, 0.0); (639263.4, 4177829.0, 16.7, 16.7, 0.0);
(639317.4, 4177772.4, 17.1, 17.1, 0.0); (639338.1, 4177782.9, 17.2, 17.2, 0.0);
(639358.7, 4177793.4, 17.2, 17.2, 0.0); (639379.4, 4177803.8, 17.2, 17.2, 0.0);
(639306.1, 4177794.7, 17.2, 17.2, 0.0); (639326.8, 4177805.1, 17.2, 17.2, 0.0);
(639347.4, 4177815.6, 17.1, 17.1, 0.0); (639368.1, 4177826.1, 17.1, 17.1, 0.0);
(639294.8, 4177816.9, 16.9, 16.9, 0.0); (639315.4, 4177827.4, 16.9, 16.9, 0.0);
(639336.1, 4177837.9, 16.9, 16.9, 0.0); (639356.7, 4177848.4, 17.0, 17.0, 0.0);
(639283.4, 4177839.2, 16.6, 16.6, 0.0); (639304.1, 4177849.7, 16.6, 16.6, 0.0);
(639324.8, 4177860.2, 16.6, 16.6, 0.0); (639345.4, 4177870.7, 16.8, 16.8, 0.0);
(639400.5, 4177815.2, 17.2, 17.2, 0.0); (639422.1, 4177826.9, 17.0, 17.0, 0.0);
(639443.8, 4177838.5, 17.0, 17.0, 0.0); (639388.7, 4177837.2, 16.9, 16.9, 0.0);
(639410.3, 4177848.9, 17.0, 17.0, 0.0); (639431.9, 4177860.5, 16.8, 16.8, 0.0);
(639376.8, 4177859.3, 16.9, 16.9, 0.0); (639398.4, 4177870.9, 16.9, 16.9, 0.0);
(639420.1, 4177882.5, 16.6, 16.6, 0.0); (639386.6, 4177892.9, 16.7, 16.7, 0.0);
(639408.2, 4177904.6, 16.6, 16.6, 0.0); (639466.2, 4177858.3, 16.8, 16.8, 0.0);
(639450.0, 4177877.3, 16.8, 16.8, 0.0); (639447.2,

```
4177907.8,      16.7,      16.7,       0.0);
     ( 639431.0, 4177926.8,      16.5,      16.5,       0.0);         ( 639484.9,
4177880.4,      16.7,      16.7,       0.0);
     ( 639474.0, 4177910.1,      16.7,      16.7,       0.0);         ( 639454.3,
4177945.2,      16.6,      16.6,       0.0);
     ( 639526.1, 4177788.6,      17.9,      17.9,       0.0);         ( 639505.1,
4177778.0,      17.8,      17.8,       0.0);
     ( 639484.0, 4177767.3,      17.6,      17.6,       0.0);         ( 639462.9,
4177756.7,      17.6,      17.6,       0.0);
     ( 639441.8, 4177746.1,      17.9,      17.9,       0.0);         ( 639420.8,
4177735.5,      17.9,      17.9,       0.0);
     ( 639399.7, 4177724.9,      18.0,      18.0,       0.0);         ( 639378.6,
4177714.3,      18.0,      18.0,       0.0);
     ( 639357.6, 4177703.7,      17.9,      17.9,       0.0);         ( 639336.5,
4177693.1,      18.1,      18.1,       0.0);
     ( 639315.4, 4177682.5,      18.2,      18.2,       0.0);         ( 639547.3,
4177775.2,      17.5,      17.5,       0.0);
     ( 639516.3, 4177755.6,      18.1,      18.1,       0.0);         ( 639495.2,
4177745.0,      17.6,      17.6,       0.0);
     ( 639474.2, 4177734.4,      17.9,      17.9,       0.0);         ( 639453.1,
4177723.8,      17.7,      17.7,       0.0);
     ( 639432.0, 4177713.2,      17.6,      17.6,       0.0);         ( 639410.9,
4177702.6,      17.8,      17.8,       0.0);
     ( 639389.9, 4177692.0,      18.0,      18.0,       0.0);         ( 639368.8,
4177681.4,      17.9,      17.9,       0.0);
     ( 639347.7, 4177670.8,      18.0,      18.0,       0.0);         ( 639326.6,
4177660.1,      18.0,      18.0,       0.0);
     ( 639563.5, 4177757.4,      17.7,      17.7,       0.0);         ( 639527.6,
4177733.3,      18.3,      18.3,       0.0);
     ( 639506.5, 4177722.7,      18.1,      18.1,       0.0);         ( 639485.4,
4177712.1,      17.6,      17.6,       0.0);
     ( 639464.3, 4177701.5,      17.7,      17.7,       0.0);         ( 639443.2,
4177690.9,      17.7,      17.7,       0.0);
     ( 639422.2, 4177680.2,      17.9,      17.9,       0.0);         ( 639401.1,
4177669.6,      18.0,      18.0,       0.0);
     ( 639380.0, 4177659.0,      17.9,      17.9,       0.0);         ( 639359.0,
4177648.4,      18.0,      18.0,       0.0);
     ( 639337.9, 4177637.8,      18.1,      18.1,       0.0);         ( 639573.1,
4177733.6,      17.7,      17.7,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(639538.8, 4177711.0, 18.2, 18.2, 0.0); (639517.7, 4177700.4, 18.1, 18.1, 0.0);
(639496.6, 4177689.8, 17.8, 17.8, 0.0); (639475.6, 4177679.1, 17.9, 17.9, 0.0);
(639454.5, 4177668.5, 18.0, 18.0, 0.0); (639433.4, 4177657.9, 18.2, 18.2, 0.0);
(639412.4, 4177647.3, 18.2, 18.2, 0.0); (639391.3, 4177636.7, 18.1, 18.1, 0.0);
(639370.2, 4177626.1, 18.0, 18.0, 0.0); (639349.1, 4177615.5, 17.8, 17.8, 0.0);
(639293.9, 4177671.3, 18.2, 18.2, 0.0); (639272.1, 4177660.0, 18.1, 18.1, 0.0);
(639250.3, 4177648.8, 18.1, 18.1, 0.0); (639228.6, 4177637.5, 18.1, 18.1, 0.0);
(639206.8, 4177626.2, 18.2, 18.2, 0.0); (639185.0, 4177614.9, 18.2, 18.2, 0.0);
(639163.2, 4177603.7, 18.2, 18.2, 0.0); (639141.5, 4177592.4, 18.3, 18.3, 0.0);
(639119.7, 4177581.1, 18.3, 18.3, 0.0); (639097.9, 4177569.8, 18.5, 18.5, 0.0);
(639076.1, 4177558.6, 18.5, 18.5, 0.0); (639305.4, 4177649.1, 18.1, 18.1, 0.0);
(639283.6, 4177637.8, 18.1, 18.1, 0.0); (639261.8, 4177626.6, 18.1, 18.1, 0.0);
(639240.1, 4177615.3, 18.1, 18.1, 0.0); (639218.3, 4177604.0, 18.2, 18.2, 0.0);
(639196.5, 4177592.8, 18.2, 18.2, 0.0); (639174.7, 4177581.5, 18.2, 18.2, 0.0);
(639153.0, 4177570.2, 18.2, 18.2, 0.0); (639131.2, 4177558.9, 18.3, 18.3, 0.0);
(639109.4, 4177547.6, 18.4, 18.4, 0.0); (639087.6, 4177536.4, 18.4, 18.4, 0.0);
(639316.9, 4177626.9, 18.0, 18.0, 0.0); (639295.1, 4177615.6, 17.9, 17.9, 0.0);
(639273.3, 4177604.4, 18.1, 18.1, 0.0); (639251.5, 4177593.1, 18.2, 18.2, 0.0);
(639229.8, 4177581.8, 18.2, 18.2, 0.0); (639208.0, 4177570.5, 18.2, 18.2, 0.0);
(639186.2, 4177559.3, 18.3, 18.3, 0.0); (639164.4, 4177548.0, 18.3, 18.3, 0.0);
(639142.7, 4177536.7, 18.4, 18.4, 0.0); (639120.9, 4177525.4, 18.4, 18.4, 0.0);
(639099.1, 4177514.2, 18.5, 18.5, 0.0); (639328.4, 4177604.7, 17.8, 17.8, 0.0);
(639306.6, 4177593.4, 18.0, 18.0, 0.0); (639284.8, 4177582.2, 17.9, 17.9, 0.0);
(639263.0, 4177570.9, 17.9, 17.9, 0.0); (639241.3, 4177559.6, 18.1, 18.1, 0.0);
(639219.5, 4177548.3, 18.1, 18.1, 0.0); (639197.7, 4177537.1, 18.2, 18.2, 0.0);
(639175.9, 4177525.8, 18.3, 18.3, 0.0); (639154.2,

```
4177514.5,      18.4,      18.4,       0.0);
     ( 639132.4, 4177503.2,      18.5,      18.5,       0.0);         ( 639110.6,
4177492.0,      18.8,      18.8,       0.0);
     ( 639038.4, 4177538.5,      18.6,      18.6,       0.0);         ( 639000.4,
4177518.2,      18.7,      18.7,       0.0);
     ( 638962.5, 4177498.0,      18.8,      18.8,       0.0);         ( 639050.2,
4177516.4,      18.6,      18.6,       0.0);
     ( 639012.2, 4177496.1,      18.7,      18.7,       0.0);         ( 638974.2,
4177475.9,      18.9,      18.9,       0.0);
     ( 639062.0, 4177494.3,      18.6,      18.6,       0.0);         ( 639024.0,
4177474.1,      18.8,      18.8,       0.0);
     ( 638986.0, 4177453.8,      18.9,      18.9,       0.0);         ( 639073.7,
4177472.3,      18.8,      18.8,       0.0);
     ( 639035.7, 4177452.0,      18.9,      18.9,       0.0);         ( 638997.8,
4177431.8,      19.2,      19.2,       0.0);
     ( 638953.9, 4177465.1,      18.8,      18.8,       0.0);         ( 638756.9,
4177367.8,      19.2,      19.2,       0.0);
     ( 638735.1, 4177357.0,      19.1,      19.1,       0.0);         ( 638964.9,
4177442.6,      19.0,      19.0,       0.0);
     ( 638943.1, 4177431.8,      19.2,      19.2,       0.0);         ( 638811.8,
4177367.0,      19.3,      19.3,       0.0);
     ( 638789.9, 4177356.2,      19.1,      19.1,       0.0);         ( 638768.0,
4177345.4,      19.3,      19.3,       0.0);
     ( 638746.1, 4177334.6,      19.2,      19.2,       0.0);         ( 638976.0,
4177420.2,      19.2,      19.2,       0.0);
     ( 638954.1, 4177409.4,      19.3,      19.3,       0.0);         ( 638932.2,
4177398.6,      19.3,      19.3,       0.0);
     ( 638844.7, 4177355.4,      19.2,      19.2,       0.0);         ( 638822.8,
4177344.6,      19.3,      19.3,       0.0);
     ( 638801.0, 4177333.8,      19.1,      19.1,       0.0);         ( 638779.1,
4177323.0,      18.9,      18.9,       0.0);
     ( 638757.2, 4177312.1,      19.4,      19.4,       0.0);         ( 638702.6,
4177369.1,      19.1,      19.1,       0.0);
     ( 638681.4, 4177358.8,      19.2,      19.2,       0.0);         ( 638660.2,
4177348.6,      19.3,      19.3,       0.0);
     ( 638639.0, 4177338.4,      19.4,      19.4,       0.0);         ( 638617.8,
4177328.2,      19.5,      19.5,       0.0);
     ( 638596.6, 4177317.9,      19.6,      19.6,       0.0);         ( 638575.4,
4177307.7,      19.9,      19.9,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638554.2, 4177297.5, 20.0, 20.0, 0.0); (638533.0, 4177287.3, 20.1, 20.1, 0.0);
(638713.4, 4177346.5, 19.2, 19.2, 0.0); (638692.2, 4177336.3, 19.0, 19.0, 0.0);
(638671.0, 4177326.1, 19.2, 19.2, 0.0); (638649.8, 4177315.9, 19.5, 19.5, 0.0);
(638628.6, 4177305.6, 19.6, 19.6, 0.0); (638607.4, 4177295.4, 19.8, 19.8, 0.0);
(638586.2, 4177285.2, 20.0, 20.0, 0.0); (638565.0, 4177275.0, 20.1, 20.1, 0.0);
(638543.8, 4177264.8, 20.1, 20.1, 0.0); (638724.3, 4177324.0, 19.2, 19.2, 0.0);
(638703.1, 4177313.8, 19.2, 19.2, 0.0); (638681.9, 4177303.6, 19.4, 19.4, 0.0);
(638660.7, 4177293.3, 19.8, 19.8, 0.0); (638639.5, 4177283.1, 20.0, 20.0, 0.0);
(638618.3, 4177272.9, 20.0, 20.0, 0.0); (638597.1, 4177262.7, 20.3, 20.3, 0.0);
(638575.9, 4177252.5, 20.2, 20.2, 0.0); (638554.7, 4177242.2, 20.4, 20.4, 0.0);
(638735.2, 4177301.5, 19.4, 19.4, 0.0); (638714.0, 4177291.3, 19.4, 19.4, 0.0);
(638692.7, 4177281.1, 19.6, 19.6, 0.0); (638671.5, 4177270.8, 19.8, 19.8, 0.0);
(638650.3, 4177260.6, 20.0, 20.0, 0.0); (638629.1, 4177250.4, 20.2, 20.2, 0.0);
(638607.9, 4177240.2, 20.2, 20.2, 0.0); (638586.7, 4177229.9, 20.2, 20.2, 0.0);
(638565.5, 4177219.7, 20.2, 20.2, 0.0); (638510.9, 4177276.3, 20.0, 20.0, 0.0);
(638488.7, 4177265.3, 19.9, 19.9, 0.0); (638466.4, 4177254.2, 20.0, 20.0, 0.0);
(638444.1, 4177243.2, 20.1, 20.1, 0.0); (638421.8, 4177232.1, 20.2, 20.2, 0.0);
(638399.6, 4177221.1, 20.2, 20.2, 0.0); (638377.3, 4177210.0, 20.3, 20.3, 0.0);
(638522.1, 4177253.9, 20.0, 20.0, 0.0); (638499.8, 4177242.9, 20.0, 20.0, 0.0);
(638477.5, 4177231.8, 20.1, 20.1, 0.0); (638455.2, 4177220.8, 20.1, 20.1, 0.0);
(638433.0, 4177209.8, 20.2, 20.2, 0.0); (638410.7, 4177198.7, 20.2, 20.2, 0.0);
(638388.4, 4177187.7, 20.2, 20.2, 0.0); (638533.2, 4177231.6, 20.1, 20.1, 0.0);
(638510.9, 4177220.5, 20.1, 20.1, 0.0); (638488.6, 4177209.5, 20.3, 20.3, 0.0);
(638466.3, 4177198.4, 20.3, 20.3, 0.0); (638444.1, 4177187.4, 20.4, 20.4, 0.0);
(638421.8, 4177176.3, 20.4, 20.4, 0.0); (638399.5, 4177165.3, 20.2, 20.2, 0.0);
(638544.3, 4177209.2, 20.2, 20.2, 0.0); (638522.0,

```
4177198.1,      20.3,      20.3,       0.0);
     ( 638499.7, 4177187.1,      20.3,      20.3,       0.0);         ( 638477.4,
4177176.0,      20.2,      20.2,       0.0);
     ( 638455.2, 4177165.0,      20.2,      20.2,       0.0);         ( 638432.9,
4177153.9,      20.2,      20.2,       0.0);
     ( 638410.6, 4177142.9,      20.2,      20.2,       0.0);         ( 638522.1,
4177309.8,      19.8,      19.8,       0.0);
     ( 638343.9, 4177221.4,      20.4,      20.4,       0.0);         ( 638056.7,
4177083.7,      21.2,      21.2,       0.0);
     ( 637703.4, 4176902.8,      20.4,      20.4,       0.0);         ( 637321.8,
4176712.7,      20.8,      20.8,       0.0);
     ( 636866.1, 4176483.9,      20.4,      20.4,       0.0);         ( 636327.4,
4176212.2,      21.7,      21.7,       0.0);
     ( 636323.1, 4176252.4,      21.5,      21.5,       0.0);         ( 637151.1,
4176671.3,      20.8,      22.0,       0.0);
     ( 637431.9, 4176809.0,      20.9,      20.9,       0.0);         ( 637877.8,
4177034.8,      20.3,      20.3,       0.0);
     ( 637948.9, 4177069.9,      21.1,      21.1,       0.0);         ( 637948.2,
4177112.6,      20.5,      20.5,       0.0);
     ( 638289.1, 4177285.5,      20.0,      20.0,       0.0);         ( 638352.7,
4177317.6,      19.7,      19.7,       0.0);
     ( 638409.6, 4177295.3,      20.0,      20.0,       0.0);         ( 638496.7,
4177338.0,      19.6,      19.6,       0.0);
     ( 638623.0, 4177402.5,      19.1,      19.1,       0.0);         ( 638746.1,
4177464.3,      19.0,      19.0,       0.0);
     ( 638904.6, 4177541.8,      18.6,      18.6,       0.0);         ( 638992.0,
4177583.4,      18.7,      18.7,       0.0);
     ( 639106.2, 4177637.9,      18.5,      18.5,       0.0);         ( 639183.3,
4177677.2,      18.2,      18.2,       0.0);
     ( 639308.1, 4177739.6,      17.9,      17.9,       0.0);         ( 639390.7,
4177781.6,      17.6,      17.6,       0.0);
     ( 639455.6, 4177816.5,      17.3,      17.3,       0.0);         ( 639495.8,
4177850.6,      17.2,      17.2,       0.0);
     ( 639514.9, 4177810.9,      17.7,      17.7,       0.0);         ( 639304.2,
4177704.8,      18.1,      18.1,       0.0);
     ( 639064.6, 4177580.8,      18.6,      18.6,       0.0);         ( 638712.9,
4177401.8,      19.3,      19.3,       0.0);
     ( 638499.8, 4177298.7,      19.9,      19.9,       0.0);         ( 638477.6,
4177287.7,      19.9,      19.9,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638455.3, 4177276.6, 20.0, 20.0, 0.0); (638433.0, 4177265.6, 20.1, 20.1, 0.0);
(638410.7, 4177254.5, 20.2, 20.2, 0.0); (638388.5, 4177243.5, 20.3, 20.3, 0.0);
(638366.2, 4177232.4, 20.3, 20.3, 0.0); (638321.8, 4177210.8, 20.4, 20.4, 0.0);
(638299.7, 4177200.2, 20.5, 20.5, 0.0); (638277.6, 4177189.6, 20.6, 20.6, 0.0);
(638255.5, 4177179.0, 20.7, 20.7, 0.0); (638233.5, 4177168.4, 20.8, 20.8, 0.0);
(638211.4, 4177157.8, 20.8, 20.8, 0.0); (638189.3, 4177147.2, 20.9, 20.9, 0.0);
(638167.2, 4177136.7, 20.9, 20.9, 0.0); (638145.1, 4177126.1, 20.9, 20.9, 0.0);
(638123.0, 4177115.5, 21.0, 21.0, 0.0); (638100.9, 4177104.9, 21.0, 21.0, 0.0);
(638078.8, 4177094.3, 21.1, 21.1, 0.0); (638034.7, 4177072.4, 21.2, 21.2, 0.0);
(638012.6, 4177061.1, 21.2, 21.2, 0.0); (637990.5, 4177049.8, 21.2, 21.2, 0.0);
(637968.4, 4177038.5, 21.3, 21.3, 0.0); (637946.3, 4177027.2, 21.7, 21.7, 0.0);
(637924.2, 4177015.9, 21.8, 21.8, 0.0); (637902.1, 4177004.6, 20.9, 20.9, 0.0);
(637880.0, 4176993.3, 20.8, 20.8, 0.0); (637858.0, 4176982.0, 20.9, 20.9, 0.0);
(637835.9, 4176970.7, 20.7, 20.7, 0.0); (637813.8, 4176959.4, 20.6, 20.6, 0.0);
(637791.7, 4176948.1, 20.6, 20.6, 0.0); (637769.6, 4176936.8, 20.6, 20.6, 0.0);
(637747.5, 4176925.5, 20.5, 20.5, 0.0); (637725.4, 4176914.2, 20.4, 20.4, 0.0);
(637682.2, 4176892.3, 20.4, 20.4, 0.0); (637661.0, 4176881.7, 20.4, 20.4, 0.0);
(637639.8, 4176871.2, 20.4, 20.4, 0.0); (637618.6, 4176860.6, 20.4, 20.4, 0.0);
(637597.4, 4176850.0, 20.5, 20.5, 0.0); (637576.2, 4176839.5, 20.6, 20.6, 0.0);
(637555.0, 4176828.9, 20.7, 20.7, 0.0); (637533.8, 4176818.3, 20.8, 20.8, 0.0);
(637512.6, 4176807.8, 20.9, 20.9, 0.0); (637491.4, 4176797.2, 21.0, 21.0, 0.0);
(637470.2, 4176786.6, 21.1, 21.1, 0.0); (637449.0, 4176776.1, 21.3, 21.3, 0.0);
(637427.8, 4176765.5, 21.4, 21.4, 0.0); (637406.6, 4176754.9, 21.6, 21.6, 0.0);
(637385.4, 4176744.4, 21.4, 21.4, 0.0); (637364.2, 4176733.8, 21.2, 21.2, 0.0);
(637343.0, 4176723.3, 20.9, 20.9, 0.0); (637300.1, 4176701.8, 20.8, 20.8, 0.0);
(637278.4, 4176690.9, 20.8, 20.8, 0.0); (637256.7,

```
4176680.0,      20.8,      20.8,       0.0);
     ( 637235.0, 4176669.1,      20.8,      20.8,       0.0);         ( 637213.3,
4176658.2,      20.5,      22.3,       0.0);
     ( 637191.6, 4176647.3,      22.4,      22.4,       0.0);         ( 637169.9,
4176636.4,      21.5,      21.5,       0.0);
     ( 637148.2, 4176625.5,      20.9,      20.9,       0.0);         ( 637126.5,
4176614.6,      20.6,      20.6,       0.0);
     ( 637104.8, 4176603.7,      20.2,      20.2,       0.0);         ( 637083.1,
4176592.8,      20.2,      20.2,       0.0);
     ( 637061.4, 4176581.9,      20.3,      20.3,       0.0);         ( 637039.7,
4176571.0,      20.3,      20.3,       0.0);
     ( 637018.0, 4176560.1,      20.4,      20.4,       0.0);         ( 636996.3,
4176549.3,      20.4,      20.4,       0.0);
     ( 636974.6, 4176538.4,      20.5,      20.5,       0.0);         ( 636952.9,
4176527.5,      20.4,      20.4,       0.0);
     ( 636931.2, 4176516.6,      20.4,      20.4,       0.0);         ( 636909.5,
4176505.7,      20.4,      20.4,       0.0);
     ( 636887.8, 4176494.8,      20.4,      20.4,       0.0);         ( 636844.5,
4176473.0,      20.4,      20.4,       0.0);
     ( 636823.0, 4176462.1,      20.5,      20.5,       0.0);         ( 636801.4,
4176451.3,      20.5,      20.5,       0.0);
     ( 636779.9, 4176440.4,      20.5,      20.5,       0.0);         ( 636758.3,
4176429.5,      20.6,      20.6,       0.0);
     ( 636736.8, 4176418.7,      20.5,      20.5,       0.0);         ( 636715.2,
4176407.8,      20.6,      20.6,       0.0);
     ( 636693.7, 4176397.0,      20.5,      20.5,       0.0);         ( 636672.1,
4176386.1,      20.5,      20.5,       0.0);
     ( 636650.6, 4176375.2,      20.5,      20.5,       0.0);         ( 636629.0,
4176364.4,      20.5,      20.5,       0.0);
     ( 636607.5, 4176353.5,      20.5,      20.5,       0.0);         ( 636585.9,
4176342.6,      20.5,      20.5,       0.0);
     ( 636564.4, 4176331.8,      20.5,      20.5,       0.0);         ( 636542.9,
4176320.9,      20.6,      20.6,       0.0);
     ( 636521.3, 4176310.0,      20.6,      20.6,       0.0);         ( 636499.8,
4176299.2,      20.6,      20.6,       0.0);
     ( 636478.2, 4176288.3,      20.6,      20.6,       0.0);         ( 636456.7,
4176277.4,      20.7,      20.7,       0.0);
     ( 636435.1, 4176266.6,      20.7,      20.7,       0.0);         ( 636413.6,
4176255.7,      20.8,      20.8,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(636392.0, 4176244.8, 20.8, 20.8, 0.0); (636370.5, 4176234.0, 20.9, 20.9, 0.0);
(636348.9, 4176223.1, 21.5, 21.5, 0.0); (636344.9, 4176263.5, 21.3, 21.3, 0.0);
(636366.6, 4176274.5, 20.7, 20.7, 0.0); (636388.4, 4176285.5, 20.5, 20.5, 0.0);
(636410.2, 4176296.5, 20.5, 20.5, 0.0); (636432.0, 4176307.5, 20.4, 20.4, 0.0);
(636453.8, 4176318.6, 20.4, 20.4, 0.0); (636475.6, 4176329.6, 20.3, 20.3, 0.0);
(636497.4, 4176340.6, 20.4, 20.4, 0.0); (636519.2, 4176351.6, 20.4, 20.4, 0.0);
(636541.0, 4176362.7, 20.4, 20.4, 0.0); (636562.8, 4176373.7, 20.3, 20.3, 0.0);
(636584.6, 4176384.7, 20.4, 20.4, 0.0); (636606.3, 4176395.7, 20.4, 20.4, 0.0);
(636628.1, 4176406.8, 20.4, 20.4, 0.0); (636649.9, 4176417.8, 20.3, 20.3, 0.0);
(636671.7, 4176428.8, 20.4, 20.4, 0.0); (636693.5, 4176439.8, 20.3, 20.3, 0.0);
(636715.3, 4176450.9, 20.2, 20.2, 0.0); (636737.1, 4176461.9, 20.1, 20.1, 0.0);
(636758.9, 4176472.9, 19.9, 19.9, 0.0); (636780.7, 4176483.9, 19.9, 19.9, 0.0);
(636802.5, 4176494.9, 20.2, 20.2, 0.0); (636824.2, 4176506.0, 20.1, 20.1, 0.0);
(636846.0, 4176517.0, 20.1, 20.1, 0.0); (636867.8, 4176528.0, 20.2, 20.2, 0.0);
(636889.6, 4176539.0, 20.2, 20.2, 0.0); (636911.4, 4176550.1, 20.2, 20.2, 0.0);
(636933.2, 4176561.1, 20.2, 20.2, 0.0); (636955.0, 4176572.1, 20.3, 20.3, 0.0);
(636976.8, 4176583.1, 20.2, 20.2, 0.0); (636998.6, 4176594.2, 20.6, 20.6, 0.0);
(637020.4, 4176605.2, 20.8, 20.8, 0.0); (637042.2, 4176616.2, 20.6, 20.6, 0.0);
(637064.0, 4176627.2, 20.7, 20.7, 0.0); (637085.8, 4176638.2, 20.6, 20.6, 0.0);
(637107.5, 4176649.3, 20.6, 20.6, 0.0); (637129.3, 4176660.3, 20.7, 20.7, 0.0);
(637172.7, 4176681.9, 22.2, 22.2, 0.0); (637194.3, 4176692.5, 19.6, 22.4, 0.0);
(637215.9, 4176703.1, 20.1, 20.1, 0.0); (637237.5, 4176713.7, 20.4, 20.4, 0.0);
(637259.1, 4176724.3, 20.6, 20.6, 0.0); (637280.7, 4176734.9, 21.2, 21.2, 0.0);
(637302.3, 4176745.4, 21.3, 21.3, 0.0); (637323.9, 4176756.0, 21.3, 21.3, 0.0);
(637345.5, 4176766.6, 20.7, 20.7, 0.0); (637367.1, 4176777.2, 20.8, 20.8, 0.0);
(637388.7, 4176787.8, 20.8, 20.8, 0.0); (637410.3,

```
4176798.4,      20.9,      20.9,       0.0);
     ( 637454.2, 4176820.3,      20.8,      20.8,       0.0);         ( 637476.5,
4176831.6,      20.9,      20.9,       0.0);
     ( 637498.8, 4176842.9,      20.7,      20.7,       0.0);         ( 637521.1,
4176854.2,      20.6,      20.6,       0.0);
     ( 637543.4, 4176865.5,      20.6,      20.6,       0.0);         ( 637565.7,
4176876.8,      20.5,      20.5,       0.0);
     ( 637588.0, 4176888.0,      20.6,      20.6,       0.0);         ( 637610.3,
4176899.3,      20.6,      20.6,       0.0);
     ( 637632.6, 4176910.6,      20.4,      20.4,       0.0);         ( 637654.9,
4176921.9,      20.4,      20.4,       0.0);
     ( 637677.2, 4176933.2,      20.3,      20.3,       0.0);         ( 637699.5,
4176944.5,      20.4,      20.4,       0.0);
     ( 637721.8, 4176955.8,      20.4,      20.4,       0.0);         ( 637744.1,
4176967.1,      20.3,      20.3,       0.0);
     ( 637766.3, 4176978.4,      20.4,      20.4,       0.0);         ( 637788.6,
4176989.7,      20.4,      20.4,       0.0);
     ( 637810.9, 4177001.0,      20.4,      20.4,       0.0);         ( 637833.2,
4177012.3,      20.4,      20.4,       0.0);
     ( 637855.5, 4177023.5,      20.4,      20.4,       0.0);         ( 637895.6,
4177043.6,      20.4,      20.4,       0.0);
     ( 637913.4, 4177052.4,      20.9,      20.9,       0.0);         ( 637931.1,
4177061.1,      21.7,      21.7,       0.0);
     ( 637948.6, 4177091.2,      20.7,      20.7,       0.0);         ( 637969.5,
4177123.4,      20.1,      20.1,       0.0);
     ( 637990.8, 4177134.2,      20.0,      20.0,       0.0);         ( 638012.1,
4177145.0,      20.0,      20.0,       0.0);
     ( 638033.4, 4177155.8,      20.1,      20.1,       0.0);         ( 638054.7,
4177166.6,      20.1,      20.1,       0.0);
     ( 638076.0, 4177177.5,      20.1,      20.1,       0.0);         ( 638097.3,
4177188.3,      20.1,      20.1,       0.0);
     ( 638118.6, 4177199.1,      20.1,      20.1,       0.0);         ( 638139.9,
4177209.9,      20.1,      20.1,       0.0);
     ( 638161.2, 4177220.7,      20.0,      20.0,       0.0);         ( 638182.5,
4177231.5,      20.1,      20.1,       0.0);
     ( 638203.9, 4177242.3,      20.1,      20.1,       0.0);         ( 638225.2,
4177253.1,      20.1,      20.1,       0.0);
     ( 638246.5, 4177263.9,      20.1,      20.1,       0.0);         ( 638267.8,
4177274.7,      20.0,      20.0,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638310.3, 4177296.2, 20.0, 20.0, 0.0); (638331.5, 4177306.9, 20.0, 20.0, 0.0);
(638371.7, 4177310.2, 19.6, 19.6, 0.0); (638390.6, 4177302.8, 19.8, 19.8, 0.0);
(638431.3, 4177306.0, 19.9, 19.9, 0.0); (638453.1, 4177316.7, 19.9, 19.9, 0.0);
(638474.9, 4177327.3, 19.8, 19.8, 0.0); (638517.7, 4177348.8, 19.4, 19.4, 0.0);
(638538.8, 4177359.5, 19.4, 19.4, 0.0); (638559.9, 4177370.3, 19.3, 19.3, 0.0);
(638580.9, 4177381.0, 19.2, 19.2, 0.0); (638602.0, 4177391.8, 19.1, 19.1, 0.0);
(638643.5, 4177412.8, 19.0, 19.0, 0.0); (638664.0, 4177423.1, 19.1, 19.1, 0.0);
(638684.6, 4177433.4, 19.1, 19.1, 0.0); (638705.1, 4177443.7, 19.1, 19.1, 0.0);
(638725.6, 4177454.0, 19.3, 19.3, 0.0); (638765.9, 4177474.0, 18.8, 18.8, 0.0);
(638785.7, 4177483.7, 18.8, 18.8, 0.0); (638805.5, 4177493.3, 18.6, 18.6, 0.0);
(638825.3, 4177503.0, 18.7, 18.7, 0.0); (638845.1, 4177512.8, 18.7, 18.7, 0.0);
(638864.9, 4177522.4, 18.7, 18.7, 0.0); (638884.8, 4177532.1, 18.7, 18.7, 0.0);
(638926.4, 4177552.2, 18.6, 18.6, 0.0); (638948.3, 4177562.6, 18.6, 18.6, 0.0);
(638970.1, 4177573.0, 18.7, 18.7, 0.0); (639011.0, 4177592.5, 18.6, 18.6, 0.0);
(639030.1, 4177601.5, 18.6, 18.6, 0.0); (639049.1, 4177610.6, 18.6, 18.6, 0.0);
(639068.1, 4177619.7, 18.5, 18.5, 0.0); (639087.2, 4177628.8, 18.5, 18.5, 0.0);
(639125.5, 4177647.7, 18.4, 18.4, 0.0); (639144.8, 4177657.5, 18.3, 18.3, 0.0);
(639164.1, 4177667.4, 18.3, 18.3, 0.0); (639204.1, 4177687.6, 18.2, 18.2, 0.0);
(639224.9, 4177698.0, 18.1, 18.1, 0.0); (639245.7, 4177708.4, 18.1, 18.1, 0.0);
(639266.5, 4177718.8, 18.0, 18.0, 0.0); (639287.3, 4177729.2, 17.9, 17.9, 0.0);
(639328.7, 4177750.1, 17.8, 17.8, 0.0); (639349.4, 4177760.6, 17.7, 17.7, 0.0);
(639370.1, 4177771.1, 17.6, 17.6, 0.0); (639412.3, 4177793.2, 17.5, 17.5, 0.0);
(639434.0, 4177804.9, 17.3, 17.3, 0.0); (639469.0, 4177827.9, 17.1, 17.1, 0.0);
(639482.4, 4177839.2, 17.0, 17.0, 0.0); (639506.1, 4177867.1, 17.1, 17.1, 0.0);
(639493.8, 4177800.3, 17.7, 17.7, 0.0); (639472.8, 4177789.7, 17.6, 17.6, 0.0);
(639451.7, 4177779.1, 17.4, 17.4, 0.0); (639430.6,

```
4177768.5,      17.8,      17.8,       0.0);
     ( 639409.5, 4177757.8,      17.8,      17.8,       0.0);         ( 639388.5,
4177747.2,      17.9,      17.9,       0.0);
     ( 639367.4, 4177736.6,      17.9,      17.9,       0.0);         ( 639346.3,
4177726.0,      17.9,      17.9,       0.0);
     ( 639325.2, 4177715.4,      18.1,      18.1,       0.0);         ( 639282.4,
4177693.5,      18.1,      18.1,       0.0);
     ( 639260.6, 4177682.2,      18.1,      18.1,       0.0);         ( 639238.8,
4177671.0,      18.2,      18.2,       0.0);
     ( 639217.1, 4177659.7,      18.3,      18.3,       0.0);         ( 639195.3,
4177648.4,      18.4,      18.4,       0.0);
     ( 639173.5, 4177637.1,      18.4,      18.4,       0.0);         ( 639151.7,
4177625.9,      18.4,      18.4,       0.0);
     ( 639130.0, 4177614.6,      18.5,      18.5,       0.0);         ( 639108.2,
4177603.3,      18.5,      18.5,       0.0);
     ( 639086.4, 4177592.0,      18.6,      18.6,       0.0);         ( 639045.6,
4177570.6,      18.6,      18.6,       0.0);
     ( 639026.7, 4177560.5,      18.5,      18.5,       0.0);         ( 638691.7,
4177391.6,      19.4,      19.4,       0.0);
     ( 638670.5, 4177381.4,      19.4,      19.4,       0.0);         ( 638649.3,
4177371.1,      19.3,      19.3,       0.0);
     ( 638628.1, 4177360.9,      19.3,      19.3,       0.0);         ( 638606.9,
4177350.7,      19.4,      19.4,       0.0);
     ( 638585.7, 4177340.5,      19.4,      19.4,       0.0);         ( 638564.5,
4177330.2,      19.6,      19.6,       0.0);
     ( 638543.3, 4177320.0,      19.7,      19.7,       0.0);
```

```
                                            *** METEOROLOGICAL DAYS SELECTED FOR
PROCESSING ***
                                                              (1=YES; 0=NO)

            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1

                NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS
INCLUDED IN THE DATA FILE.



                                  *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED
CATEGORIES ***
                                                           (METERS/SEC)

                                                 1.54,   3.09,   5.14,   8.23,  10.80,
```

 *** MODELOPTs:

 *** Message Summary : AERMOD Model Execution ***

  --------- Summary of Total Messages --------

 A Total of   0 Fatal Error Message(s)
 A Total of   1 Warning Message(s)
 A Total of   0 Informational Message(s)

    ******** FATAL ERROR MESSAGES ********
               *** NONE ***

    ********   WARNING MESSAGES   ********
 ME W187   211   MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

    ****
    *** AERMOD Finishes Successfully ***
    ****

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.9.0
** Lakes Environmental Software Inc.
** Date: 7/22/2020
** File: C:\Lakes\AERMOD View\Tracy CO\Tracy CO.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE Valley Link CO Tracy
   TITLETWO Tier 4 Mitigation Construction
   MODELOPT CONC FASTAREA
   AVERTIME 1 8
   URBANOPT 91812 Tracy,_CA
   POLLUTID CO
   FLAGPOLE 1.20
   RUNORNOT NOT
   ERRORFIL "Tracy CO.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION TRACK22      AREAPOLY   638522.103  4177309.794       19.770
** DESCRSRC Track Segment
   LOCATION STN23        AREAPOLY   638707.022  4177532.277       18.810
** DESCRSRC Tracy Station
** Source Parameters **
   SRCPARAM TRACK22      5.2455E-07     3.000        33     0.700
   AREAVERT TRACK22      638522.103 4177309.794 638343.901 4177221.399
   AREAVERT TRACK22      638056.738 4177083.691 637703.350 4176902.854
   AREAVERT TRACK22      637321.818 4176712.694 636866.053 4176483.885
   AREAVERT TRACK22      636327.379 4176212.231 636323.054 4176252.436
   AREAVERT TRACK22      637151.119 4176671.325 637431.890 4176808.993
   AREAVERT TRACK22      637877.830 4177034.843 637948.893 4177069.885
   AREAVERT TRACK22      637948.207 4177112.612 638289.058 4177285.531
   AREAVERT TRACK22      638352.729 4177317.618 638409.552 4177295.332
   AREAVERT TRACK22      638496.675 4177338.005 638623.016 4177402.510
   AREAVERT TRACK22      638746.092 4177464.261 638904.557 4177541.844
   AREAVERT TRACK22      638991.989 4177583.390 639106.217 4177637.877
   AREAVERT TRACK22      639183.334 4177677.215 639308.090 4177739.591
   AREAVERT TRACK22      639390.702 4177781.567 639455.628 4177816.509
   AREAVERT TRACK22      639495.758 4177850.609 639516.384 4177883.608
   AREAVERT TRACK22      639514.901 4177810.898 639304.156 4177704.800
   AREAVERT TRACK22      639064.632 4177580.774 638931.713 4177509.892
   AREAVERT TRACK22      638712.912 4177401.804
   SRCPARAM STN23        3.0359E-06     3.000         9     0.700
   AREAVERT STN23        638707.022 4177532.277 638710.840 4177448.346
   AREAVERT STN23        638438.197 4177485.889 638454.101 4177593.330
```

```
   AREAVERT STN23        638479.309 4177575.127 638510.496 4177557.351
   AREAVERT STN23        638544.259 4177546.790 638587.863 4177538.507
   AREAVERT STN23        638638.477 4177531.877
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Seven Days (HRDOW7)"
** Variable Emission Scenario: "Construction"
   EMISFACT TRACK22      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK22      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK22      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK22      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK22      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK22      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK22      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK22      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK22      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK22      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK22      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK22      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK22      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK22      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK22      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK22      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK22      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK22      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK22      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK22      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK22      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STN23        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STN23        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STN23        HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STN23        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STN23        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STN23        HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STN23        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STN23        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STN23        HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STN23        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STN23        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STN23        HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STN23        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STN23        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STN23        HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STN23        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STN23        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STN23        HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STN23        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STN23        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STN23        HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STN23        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STN23        HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STN23        HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED "Tracy CO.rou"
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
```

```
**************************************
**
**
ME STARTING
   SURFFILE "C:\Users\19098\Desktop\Local Emissions Analysis\Tracy_2004-2008.SFC"
   PROFFILE "C:\Users\19098\Desktop\Local Emissions Analysis\Tracy_2004-2008.PFL"
   SURFDATA 99008 2004
   UAIRDATA 66666 2004
   PROFBASE 158.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "TRACY CO.AD\01H1GALL.PLT" 31
   PLOTFILE 8 ALL 1ST "TRACY CO.AD\08H1GALL.PLT" 32
   SUMMFILE "Tracy CO.sum"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W187     136       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

 **********************************
 *** SETUP Finishes Successfully ***
 **********************************
```

```
 *** AERMOD - VERSION  19191 ***   *** Valley Link CO Tracy
***        07/22/20
 *** AERMET - VERSION  18081 ***   *** Tier 4 Mitigation Construction
***        02:32:22

PAGE   1
 *** MODELOPTs:    NonDFAULT  CONC  ELEV  FLGPOL  FASTAREA  URBAN  ADJ_U*

                                                  ***     MODEL SETUP OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for     2 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =     91812.0 ;  Urban Roughness Length =  1.000 m

 **Model Allows User-Specified Options:
         1. Stack-tip Downwash.
         2. Model Accounts for ELEVated Terrain Effects.
         3. Use Calms Processing Routine.
         4. Use Missing Data Processing Routine.
         5. No Exponential Decay.
         6. Urban Roughness Length of 1.0 Meter Used.

 **Other Options Specified:
         FASTAREA - Use hybrid approach to optimize AREA sources;
                    also applies to LINE sources (formerly TOXICS option)
         ADJ_U*   - Use ADJ_U* option for SBL in AERMET
         CCVR_Sub - Meteorological data includes CCVR substitutions
         TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Accepts FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  CO

 **Model Calculates  2 Short Term Average(s) of:   1-HR   8-HR

 **This Run Includes:      2 Source(s);       1 Source Group(s); and    1556 Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:      0 VOLUME source(s)
                 and:      2 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with      0 line(s)


 **Model Will NOT Run After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  18081

 **Output Options Selected:
          Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
```

Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 158.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.7 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: Tracy CO.err
**File for Summary of Results: Tracy CO.sum

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	SZ INIT. (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
TRACK22	0	0.52455E-06	638522.1	4177309.8	19.8	3.00	33	0.70	YES	HRDOW7
STN23	0	0.30359E-05	638707.0	4177532.3	18.8	3.00	9	0.70	YES	HRDOW7

 *** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	TRACK22 , STN23 ,

 *** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
91812.	TRACK22 , STN23 ,	

 *** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

 SOURCE ID = TRACK22   ; SOURCE TYPE = AREAPOLY :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

DAY OF WEEK = MONDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = TUESDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = WEDNESDY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = THURSDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = FRIDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01

17 .1000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = STN23 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = MONDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = TUESDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = WEDNESDY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = THURSDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = FRIDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01

17 .1000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638662.0, 4177429.8, 19.0, 19.0, 1.2); (638639.3, 4177433.0, 18.9, 18.9, 1.2);
(638616.6, 4177436.1, 18.7, 18.7, 1.2); (638593.8, 4177439.2, 18.4, 18.4, 1.2);
(638571.1, 4177442.3, 18.5, 18.5, 1.2); (638548.4, 4177445.5, 18.2, 18.2, 1.2);
(638525.7, 4177448.6, 18.5, 18.5, 1.2); (638503.0, 4177451.7, 18.5, 18.5, 1.2);
(638480.2, 4177454.9, 18.5, 18.5, 1.2); (638457.5, 4177458.0, 18.8, 18.8, 1.2);
(638434.8, 4177461.1, 19.0, 19.0, 1.2); (638724.3, 4177405.1, 19.2, 19.2, 1.2);
(638613.1, 4177411.3, 18.8, 18.8, 1.2); (638590.4, 4177414.5, 18.6, 18.6, 1.2);
(638567.7, 4177417.6, 18.7, 18.7, 1.2); (638545.0, 4177420.7, 18.5, 18.5, 1.2);
(638522.3, 4177423.8, 18.6, 18.6, 1.2); (638499.5, 4177427.0, 18.5, 18.5, 1.2);
(638476.8, 4177430.1, 18.7, 18.7, 1.2); (638454.1, 4177433.2, 18.8, 18.8, 1.2);
(638431.4, 4177436.4, 18.9, 18.9, 1.2); (638720.9, 4177380.3, 19.1, 19.1, 1.2);
(638769.5, 4177412.5, 19.2, 19.2, 1.2); (638677.9, 4177377.2, 19.2, 19.2, 1.2);
(638587.0, 4177389.7, 19.0, 19.0, 1.2); (638564.3, 4177392.8, 18.9, 18.9, 1.2);
(638541.6, 4177395.9, 18.9, 18.9, 1.2); (638518.9, 4177399.1, 18.8, 18.8, 1.2);
(638496.1, 4177402.2, 18.7, 18.7, 1.2); (638473.4, 4177405.3, 18.9, 18.9, 1.2);
(638450.7, 4177408.5, 19.0, 19.0, 1.2); (638428.0, 4177411.6, 19.2, 19.2, 1.2);
(638717.5, 4177355.6, 19.2, 19.2, 1.2); (638758.0, 4177368.2, 19.2, 19.2, 1.2);
(638786.4, 4177394.1, 19.2, 19.2, 1.2); (638802.6, 4177433.3, 19.1, 19.1, 1.2);
(638674.5, 4177352.4, 19.3, 19.3, 1.2); (638651.8, 4177355.5, 19.2, 19.2, 1.2);
(638629.0, 4177358.7, 19.3, 19.3, 1.2); (638538.2, 4177371.2, 19.1, 19.1, 1.2);
(638515.4, 4177374.3, 19.0, 19.0, 1.2); (638492.7, 4177377.4, 19.0, 19.0, 1.2);
(638470.0, 4177380.6, 19.2, 19.2, 1.2); (638447.3, 4177383.7, 19.2, 19.2, 1.2);
(638424.6, 4177386.8, 19.3, 19.3, 1.2); (638413.5, 4177489.5, 19.2, 19.2, 1.2);
(638419.8, 4177532.5, 18.7, 18.7, 1.2); (638426.2, 4177575.5, 18.4, 18.4, 1.2);
(638393.5, 4177474.5, 19.5, 19.5, 1.2); (638391.9, 4177514.7, 19.1, 19.1, 1.2);
(638398.3, 4177557.7, 18.6, 18.6, 1.2); (638404.6,

```
4177600.6,      18.6,      18.6,       1.2);
     ( 638368.7, 4177478.2,      19.6,      19.6,      1.2);         ( 638394.8,
4177431.1,      19.2,      19.2,       1.2);
     ( 638367.2, 4177518.4,      19.2,      19.2,      1.2);         ( 638373.6,
4177561.3,      18.6,      18.6,       1.2);
     ( 638379.9, 4177604.3,      18.5,      18.5,      1.2);         ( 638344.0,
4177481.9,      19.4,      19.4,       1.2);
     ( 638353.5, 4177444.5,      19.3,      19.3,      1.2);         ( 638374.8,
4177416.1,      19.3,      19.3,       1.2);
     ( 638342.5, 4177522.0,      19.2,      19.2,      1.2);         ( 638348.8,
4177565.0,      18.6,      18.6,       1.2);
     ( 638355.2, 4177608.0,      18.2,      18.2,      1.2);         ( 638456.6,
4177615.0,      18.7,      18.7,       1.2);
     ( 638481.3, 4177604.5,      18.7,      18.7,      1.2);         ( 638471.2,
4177635.2,      18.5,      18.5,       1.2);
     ( 638446.8, 4177638.0,      18.7,      18.7,      1.2);         ( 638419.7,
4177620.0,      18.6,      18.6,       1.2);
     ( 638496.0, 4177624.8,      18.6,      18.6,      1.2);         ( 638483.4,
4177655.8,      18.4,      18.4,       1.2);
     ( 638439.6, 4177660.8,      18.4,      18.4,      1.2);         ( 638415.9,
4177650.8,      18.5,      18.5,       1.2);
     ( 638397.9, 4177627.6,      18.4,      18.4,      1.2);         ( 638510.6,
4177645.0,      18.4,      18.4,       1.2);
     ( 638498.7, 4177676.0,      18.3,      18.3,      1.2);         ( 638470.9,
4177679.1,      18.3,      18.3,       1.2);
     ( 638429.2, 4177683.9,      18.2,      18.2,      1.2);         ( 638406.7,
4177674.4,      18.3,      18.3,       1.2);
     ( 638389.5, 4177652.2,      18.3,      18.3,      1.2);         ( 638372.3,
4177630.1,      18.2,      18.2,       1.2);
     ( 638525.2, 4177665.3,      18.1,      18.1,      1.2);         ( 638507.3,
4177588.0,      18.6,      18.6,       1.2);
     ( 638519.7, 4177609.7,      18.4,      18.4,      1.2);         ( 638532.0,
4177631.4,      18.1,      18.1,       1.2);
     ( 638544.4, 4177653.1,      17.9,      17.9,      1.2);         ( 638534.8,
4177575.9,      18.4,      18.4,       1.2);
     ( 638542.3, 4177599.8,      18.2,      18.2,      1.2);         ( 638566.7,
4177618.4,      17.9,      17.9,       1.2);
     ( 638574.1, 4177642.2,      17.8,      17.8,      1.2);         ( 638570.7,
4177567.2,      18.3,      18.3,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638575.4, 4177591.8, 18.2, 18.2, 1.2); (638601.9, 4177612.2, 17.9, 17.9, 1.2);
(638606.5, 4177636.8, 17.7, 17.7, 1.2); (638608.0, 4177561.1, 18.5, 18.5, 1.2);
(638641.7, 4177556.7, 18.5, 18.5, 1.2); (638611.2, 4177585.9, 18.2, 18.2, 1.2);
(638645.0, 4177581.4, 18.5, 18.5, 1.2); (638631.4, 4177608.4, 18.0, 18.0, 1.2);
(638634.6, 4177633.2, 17.8, 17.8, 1.2); (638684.0, 4177557.1, 18.6, 18.6, 1.2);
(638706.9, 4177557.3, 18.8, 18.8, 1.2); (638683.9, 4177582.1, 18.4, 18.4, 1.2);
(638706.7, 4177582.3, 18.4, 18.4, 1.2); (638660.9, 4177607.0, 18.1, 18.1, 1.2);
(638683.7, 4177607.1, 18.2, 18.2, 1.2); (638706.6, 4177607.3, 18.0, 18.0, 1.2);
(638660.7, 4177632.0, 17.9, 17.9, 1.2); (638683.6, 4177632.1, 17.9, 17.9, 1.2);
(638706.4, 4177632.3, 17.8, 17.8, 1.2); (638732.0, 4177533.4, 18.7, 18.7, 1.2);
(638733.9, 4177491.4, 19.0, 19.0, 1.2); (638749.2, 4177551.5, 18.6, 18.6, 1.2);
(638757.9, 4177513.6, 19.1, 19.1, 1.2); (638759.8, 4177471.6, 18.8, 18.8, 1.2);
(638774.2, 4177552.7, 18.5, 18.5, 1.2); (638741.3, 4177593.5, 18.4, 18.4, 1.2);
(638782.9, 4177514.7, 19.0, 19.0, 1.2); (638799.2, 4177553.8, 18.4, 18.4, 1.2);
(638783.7, 4177587.8, 18.3, 18.3, 1.2); (638758.5, 4177611.6, 18.2, 18.2, 1.2);
(638807.9, 4177515.8, 18.7, 18.7, 1.2); (638354.7, 4177198.9, 20.5, 20.5, 1.2);
(638332.6, 4177188.3, 20.4, 20.4, 1.2); (638310.5, 4177177.7, 20.6, 20.6, 1.2);
(638288.4, 4177167.1, 20.5, 20.5, 1.2); (638266.4, 4177156.5, 20.8, 20.8, 1.2);
(638244.3, 4177145.9, 20.7, 20.7, 1.2); (638222.2, 4177135.3, 20.6, 20.6, 1.2);
(638200.1, 4177124.7, 21.0, 21.0, 1.2); (638178.0, 4177114.1, 20.9, 20.9, 1.2);
(638155.9, 4177103.5, 21.1, 21.1, 1.2); (638133.8, 4177092.9, 21.0, 21.0, 1.2);
(638111.7, 4177082.3, 21.1, 21.1, 1.2); (638089.6, 4177071.7, 21.0, 21.0, 1.2);
(638067.6, 4177061.1, 21.1, 21.1, 1.2); (638365.5, 4177176.3, 20.4, 20.4, 1.2);
(638343.4, 4177165.7, 20.5, 20.5, 1.2); (638321.3, 4177155.1, 20.5, 20.5, 1.2);
(638299.2, 4177144.5, 20.6, 20.6, 1.2); (638277.2, 4177133.9, 20.9, 20.9, 1.2);
(638255.1, 4177123.3, 20.9, 20.9, 1.2); (638233.0,

```
4177112.8,      21.0,      21.0,       1.2);
     ( 638210.9, 4177102.2,      21.3,      21.3,      1.2);         ( 638188.8,
4177091.6,      21.2,      21.2,       1.2);
     ( 638166.7, 4177081.0,      21.2,      21.2,      1.2);         ( 638144.6,
4177070.4,      21.3,      21.3,       1.2);
     ( 638122.5, 4177059.8,      21.3,      21.3,      1.2);         ( 638100.5,
4177049.2,      21.1,      21.1,       1.2);
     ( 638078.4, 4177038.6,      21.2,      21.2,      1.2);         ( 638376.3,
4177153.8,      20.4,      20.4,       1.2);
     ( 638354.2, 4177143.2,      20.6,      20.6,      1.2);         ( 638332.2,
4177132.6,      20.5,      20.5,       1.2);
     ( 638310.1, 4177122.0,      20.9,      20.9,      1.2);         ( 638288.0,
4177111.4,      20.9,      20.9,       1.2);
     ( 638265.9, 4177100.8,      21.0,      21.0,      1.2);         ( 638243.8,
4177090.2,      21.1,      21.1,       1.2);
     ( 638221.7, 4177079.6,      21.2,      21.2,      1.2);         ( 638199.6,
4177069.0,      21.5,      21.5,       1.2);
     ( 638177.5, 4177058.4,      21.5,      21.5,      1.2);         ( 638155.4,
4177047.8,      21.6,      21.6,       1.2);
     ( 638133.4, 4177037.2,      21.3,      21.3,      1.2);         ( 638111.3,
4177026.7,      21.4,      21.4,       1.2);
     ( 638089.2, 4177016.1,      21.4,      21.4,      1.2);         ( 638387.1,
4177131.2,      20.3,      20.3,       1.2);
     ( 638365.1, 4177120.6,      20.4,      20.4,      1.2);         ( 638343.0,
4177110.0,      20.5,      20.5,       1.2);
     ( 638320.9, 4177099.4,      20.8,      20.8,      1.2);         ( 638298.8,
4177088.9,      20.9,      20.9,       1.2);
     ( 638276.7, 4177078.3,      20.8,      20.8,      1.2);         ( 638254.6,
4177067.7,      20.9,      20.9,       1.2);
     ( 638232.5, 4177057.1,      21.2,      21.2,      1.2);         ( 638210.4,
4177046.5,      21.5,      21.5,       1.2);
     ( 638188.3, 4177035.9,      21.6,      21.6,      1.2);         ( 638166.2,
4177025.3,      21.6,      21.6,       1.2);
     ( 638144.2, 4177014.7,      21.8,      21.8,      1.2);         ( 638122.1,
4177004.1,      21.6,      21.6,       1.2);
     ( 638100.0, 4176993.5,      21.4,      21.4,      1.2);         ( 638046.0,
4177050.1,      21.3,      21.3,       1.2);
     ( 638024.0, 4177038.8,      21.1,      21.1,      1.2);         ( 638001.9,
4177027.5,      21.4,      21.4,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637979.8, 4177016.2, 21.5, 21.5, 1.2); (637957.7, 4177004.9, 21.6, 21.6, 1.2);
(637935.6, 4176993.6, 21.6, 21.6, 1.2); (637913.5, 4176982.3, 21.2, 21.2, 1.2);
(637891.4, 4176971.0, 21.2, 21.2, 1.2); (637869.4, 4176959.7, 21.2, 21.2, 1.2);
(637847.3, 4176948.4, 21.1, 21.1, 1.2); (637825.2, 4176937.1, 20.7, 20.7, 1.2);
(637803.1, 4176925.8, 20.7, 20.7, 1.2); (637781.0, 4176914.5, 20.7, 20.7, 1.2);
(637758.9, 4176903.2, 20.6, 20.6, 1.2); (637736.8, 4176891.9, 20.6, 20.6, 1.2);
(637714.7, 4176880.6, 20.8, 20.8, 1.2); (638057.4, 4177027.9, 21.4, 21.4, 1.2);
(638035.3, 4177016.6, 21.1, 21.1, 1.2); (638013.2, 4177005.3, 21.5, 21.5, 1.2);
(637991.2, 4176994.0, 21.1, 21.1, 1.2); (637969.1, 4176982.7, 21.5, 21.5, 1.2);
(637947.0, 4176971.4, 21.4, 21.4, 1.2); (637924.9, 4176960.1, 21.2, 21.2, 1.2);
(637902.8, 4176948.8, 21.5, 21.5, 1.2); (637880.7, 4176937.5, 21.8, 21.8, 1.2);
(637858.7, 4176926.2, 21.7, 21.7, 1.2); (637836.6, 4176914.8, 21.7, 21.7, 1.2);
(637814.5, 4176903.5, 21.6, 21.6, 1.2); (637792.4, 4176892.2, 21.6, 21.6, 1.2);
(637770.3, 4176880.9, 21.6, 21.6, 1.2); (637748.2, 4176869.6, 21.6, 21.6, 1.2);
(637726.1, 4176858.3, 21.6, 21.6, 1.2); (638068.8, 4177005.6, 21.4, 21.4, 1.2);
(638046.7, 4176994.3, 21.7, 21.7, 1.2); (638024.6, 4176983.0, 21.3, 21.3, 1.2);
(638002.6, 4176971.7, 21.3, 21.3, 1.2); (637980.5, 4176960.4, 21.5, 21.5, 1.2);
(637958.4, 4176949.1, 21.6, 21.6, 1.2); (637936.3, 4176937.8, 21.0, 21.0, 1.2);
(637914.2, 4176926.5, 21.1, 21.1, 1.2); (637892.1, 4176915.2, 22.0, 22.0, 1.2);
(637870.0, 4176903.9, 21.9, 21.9, 1.2); (637848.0, 4176892.6, 21.7, 21.7, 1.2);
(637825.9, 4176881.3, 21.6, 21.6, 1.2); (637803.8, 4176870.0, 21.5, 21.5, 1.2);
(637781.7, 4176858.7, 21.5, 21.5, 1.2); (637759.6, 4176847.4, 21.4, 21.4, 1.2);
(637737.5, 4176836.1, 21.4, 21.4, 1.2); (638058.1, 4176972.1, 21.7, 21.7, 1.2);
(638036.0, 4176960.8, 21.4, 21.4, 1.2); (638014.0, 4176949.5, 21.6, 21.6, 1.2);
(637991.9, 4176938.2, 21.3, 21.3, 1.2); (637969.8, 4176926.9, 21.7, 21.7, 1.2);
(637947.7, 4176915.5, 21.2, 21.2, 1.2); (637925.6,

```
4176904.2,      20.9,      20.9,       1.2);
     ( 637903.5, 4176892.9,      21.5,      21.5,      1.2);         ( 637881.4,
4176881.6,      21.6,      21.6,       1.2);
     ( 637859.3, 4176870.3,      21.6,      21.6,      1.2);         ( 637837.2,
4176859.0,      21.6,      21.6,       1.2);
     ( 637815.2, 4176847.7,      21.6,      21.6,      1.2);         ( 637793.1,
4176836.4,      21.6,      21.6,       1.2);
     ( 637771.0, 4176825.1,      21.5,      21.5,      1.2);         ( 637748.9,
4176813.8,      21.3,      21.3,       1.2);
     ( 637693.3, 4176869.9,      20.9,      20.9,      1.2);         ( 637672.1,
4176859.3,      21.0,      21.0,       1.2);
     ( 637650.9, 4176848.8,      21.0,      21.0,      1.2);         ( 637629.7,
4176838.2,      21.0,      21.0,       1.2);
     ( 637608.5, 4176827.7,      21.1,      21.1,      1.2);         ( 637587.3,
4176817.1,      21.2,      21.2,       1.2);
     ( 637566.1, 4176806.5,      21.2,      21.2,      1.2);         ( 637544.9,
4176796.0,      21.3,      21.3,       1.2);
     ( 637523.7, 4176785.4,      21.3,      21.3,      1.2);         ( 637502.5,
4176774.8,      21.3,      21.3,       1.2);
     ( 637481.3, 4176764.3,      21.5,      21.5,      1.2);         ( 637460.2,
4176753.7,      21.6,      21.6,       1.2);
     ( 637439.0, 4176743.1,      21.6,      21.6,      1.2);         ( 637417.8,
4176732.6,      21.7,      21.7,       1.2);
     ( 637396.6, 4176722.0,      21.6,      21.6,      1.2);         ( 637375.4,
4176711.4,      21.5,      21.5,       1.2);
     ( 637354.2, 4176700.9,      21.2,      21.2,      1.2);         ( 637333.0,
4176690.3,      21.1,      21.1,       1.2);
     ( 637704.5, 4176847.5,      21.6,      21.6,      1.2);         ( 637683.3,
4176837.0,      21.6,      21.6,       1.2);
     ( 637662.1, 4176826.4,      21.7,      21.7,      1.2);         ( 637640.9,
4176815.8,      21.8,      21.8,       1.2);
     ( 637619.7, 4176805.3,      21.7,      21.7,      1.2);         ( 637598.5,
4176794.7,      21.7,      21.7,       1.2);
     ( 637577.3, 4176784.1,      21.8,      21.8,      1.2);         ( 637556.1,
4176773.6,      21.9,      21.9,       1.2);
     ( 637534.9, 4176763.0,      21.8,      21.8,      1.2);         ( 637513.7,
4176752.5,      21.8,      21.8,       1.2);
     ( 637492.5, 4176741.9,      21.8,      21.8,      1.2);         ( 637471.3,
4176731.3,      21.7,      21.7,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637450.1, 4176720.8, 21.7, 21.7, 1.2); (637428.9, 4176710.2, 21.7, 21.7, 1.2);
(637407.7, 4176699.6, 21.6, 21.6, 1.2); (637386.5, 4176689.1, 21.5, 21.5, 1.2);
(637365.3, 4176678.5, 21.4, 21.4, 1.2); (637344.1, 4176667.9, 21.4, 21.4, 1.2);
(637715.6, 4176825.2, 21.4, 21.4, 1.2); (637694.4, 4176814.6, 21.3, 21.3, 1.2);
(637673.2, 4176804.0, 21.7, 21.7, 1.2); (637652.0, 4176793.5, 21.8, 21.8, 1.2);
(637630.8, 4176782.9, 21.5, 21.5, 1.2); (637609.6, 4176772.3, 21.3, 21.3, 1.2);
(637588.4, 4176761.8, 21.4, 21.4, 1.2); (637567.2, 4176751.2, 21.5, 21.5, 1.2);
(637546.0, 4176740.6, 21.4, 21.4, 1.2); (637524.8, 4176730.1, 21.4, 21.4, 1.2);
(637503.7, 4176719.5, 21.3, 21.3, 1.2); (637482.5, 4176709.0, 21.3, 21.3, 1.2);
(637461.2, 4176698.4, 21.3, 21.3, 1.2); (637440.1, 4176687.8, 21.4, 21.4, 1.2);
(637418.9, 4176677.3, 21.4, 21.4, 1.2); (637397.7, 4176666.7, 21.3, 21.3, 1.2);
(637376.5, 4176656.1, 21.2, 21.2, 1.2); (637355.3, 4176645.6, 21.2, 21.2, 1.2);
(637726.8, 4176802.8, 21.4, 21.4, 1.2); (637705.6, 4176792.2, 21.2, 21.2, 1.2);
(637684.4, 4176781.7, 21.6, 21.6, 1.2); (637663.2, 4176771.1, 21.8, 21.8, 1.2);
(637642.0, 4176760.5, 21.1, 21.1, 1.2); (637620.8, 4176750.0, 21.3, 21.3, 1.2);
(637599.6, 4176739.4, 21.4, 21.4, 1.2); (637578.4, 4176728.8, 21.5, 21.5, 1.2);
(637557.2, 4176718.3, 21.5, 21.5, 1.2); (637536.0, 4176707.7, 21.4, 21.4, 1.2);
(637514.8, 4176697.1, 21.3, 21.3, 1.2); (637493.6, 4176686.6, 20.9, 20.9, 1.2);
(637472.4, 4176676.0, 21.3, 21.3, 1.2); (637451.2, 4176665.4, 21.5, 21.5, 1.2);
(637430.0, 4176654.9, 21.3, 21.3, 1.2); (637408.8, 4176644.3, 21.3, 21.3, 1.2);
(637387.6, 4176633.8, 21.3, 21.3, 1.2); (637366.4, 4176623.2, 21.3, 21.3, 1.2);
(637311.3, 4176679.5, 21.1, 21.1, 1.2); (637289.6, 4176668.6, 21.1, 21.1, 1.2);
(637267.9, 4176657.7, 20.9, 20.9, 1.2); (637246.2, 4176646.8, 20.7, 20.7, 1.2);
(637224.5, 4176635.9, 20.8, 21.9, 1.2); (637202.8, 4176625.0, 22.1, 22.1, 1.2);
(637181.1, 4176614.1, 20.7, 20.7, 1.2); (637159.4, 4176603.2, 20.6, 20.6, 1.2);
(637137.7, 4176592.3, 20.7, 20.7, 1.2); (637116.0,

```
4176581.4,      20.6,      20.6,       1.2);
     ( 637094.3, 4176570.5,      20.4,      20.4,       1.2);         ( 637072.6,
4176559.6,      20.4,      20.4,       1.2);
     ( 637050.9, 4176548.7,      20.4,      20.4,       1.2);         ( 637029.2,
4176537.8,      20.4,      20.4,       1.2);
     ( 637007.5, 4176526.9,      20.5,      20.5,       1.2);         ( 636985.8,
4176516.0,      20.5,      20.5,       1.2);
     ( 636964.1, 4176505.1,      20.5,      20.5,       1.2);         ( 636942.4,
4176494.2,      20.5,      20.5,       1.2);
     ( 636920.7, 4176483.3,      20.5,      20.5,       1.2);         ( 636899.0,
4176472.4,      20.6,      20.6,       1.2);
     ( 636877.3, 4176461.5,      20.5,      20.5,       1.2);         ( 637322.6,
4176657.1,      21.4,      21.4,       1.2);
     ( 637300.8, 4176646.2,      21.4,      21.4,       1.2);         ( 637279.1,
4176635.3,      21.5,      21.5,       1.2);
     ( 637257.4, 4176624.4,      21.3,      21.5,       1.2);         ( 637235.7,
4176613.5,      21.1,      21.3,       1.2);
     ( 637214.0, 4176602.6,      21.7,      21.7,       1.2);         ( 637192.3,
4176591.7,      21.0,      21.0,       1.2);
     ( 637170.6, 4176580.8,      20.9,      20.9,       1.2);         ( 637148.9,
4176569.9,      20.9,      20.9,       1.2);
     ( 637127.2, 4176559.0,      20.6,      20.6,       1.2);         ( 637105.5,
4176548.2,      20.4,      20.4,       1.2);
     ( 637083.8, 4176537.3,      20.5,      20.5,       1.2);         ( 637062.1,
4176526.4,      20.6,      20.6,       1.2);
     ( 637040.4, 4176515.5,      20.8,      20.8,       1.2);         ( 637018.7,
4176504.6,      20.8,      20.8,       1.2);
     ( 636997.0, 4176493.7,      20.8,      20.8,       1.2);         ( 636975.3,
4176482.8,      20.8,      20.8,       1.2);
     ( 636953.6, 4176471.9,      20.9,      20.9,       1.2);         ( 636931.9,
4176461.0,      20.9,      20.9,       1.2);
     ( 636910.2, 4176450.1,      20.8,      20.8,       1.2);         ( 636888.5,
4176439.2,      20.8,      20.8,       1.2);
     ( 637333.8, 4176634.8,      21.3,      21.3,       1.2);         ( 637312.1,
4176623.9,      21.3,      21.3,       1.2);
     ( 637290.4, 4176613.0,      21.2,      21.2,       1.2);         ( 637268.7,
4176602.1,      20.6,      21.0,       1.2);
     ( 637247.0, 4176591.2,      20.9,      20.9,       1.2);         ( 637225.2,
4176580.3,      21.3,      21.3,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637203.6, 4176569.4, 21.6, 21.6, 1.2); (637181.8, 4176558.5, 21.2, 21.2, 1.2);
(637160.1, 4176547.6, 21.4, 21.4, 1.2); (637138.4, 4176536.7, 21.4, 21.4, 1.2);
(637116.7, 4176525.8, 20.6, 20.6, 1.2); (637095.0, 4176514.9, 20.7, 20.7, 1.2);
(637073.3, 4176504.0, 20.7, 20.7, 1.2); (637051.6, 4176493.1, 20.4, 20.4, 1.2);
(637029.9, 4176482.2, 20.6, 20.6, 1.2); (637008.2, 4176471.3, 20.7, 20.7, 1.2);
(636986.5, 4176460.4, 20.7, 20.7, 1.2); (636964.8, 4176449.5, 20.6, 20.6, 1.2);
(636943.1, 4176438.6, 20.6, 20.6, 1.2); (636921.4, 4176427.8, 20.7, 20.7, 1.2);
(636899.7, 4176416.9, 20.6, 20.6, 1.2); (637345.0, 4176612.4, 21.2, 21.2, 1.2);
(637323.3, 4176601.5, 21.2, 21.2, 1.2); (637301.6, 4176590.6, 21.3, 21.3, 1.2);
(637279.9, 4176579.7, 19.7, 21.3, 1.2); (637258.2, 4176568.8, 20.9, 20.9, 1.2);
(637236.5, 4176557.9, 21.4, 21.4, 1.2); (637214.8, 4176547.0, 21.4, 21.4, 1.2);
(637193.1, 4176536.2, 21.2, 21.2, 1.2); (637171.4, 4176525.3, 21.1, 21.1, 1.2);
(637149.7, 4176514.4, 21.5, 21.5, 1.2); (637128.0, 4176503.5, 20.8, 20.8, 1.2);
(637106.2, 4176492.6, 20.9, 20.9, 1.2); (637084.5, 4176481.7, 20.7, 20.7, 1.2);
(637062.8, 4176470.8, 20.6, 20.6, 1.2); (637041.1, 4176459.9, 20.7, 20.7, 1.2);
(637019.4, 4176449.0, 20.8, 20.8, 1.2); (636997.7, 4176438.1, 20.9, 20.9, 1.2);
(636976.0, 4176427.2, 20.7, 20.7, 1.2); (636954.3, 4176416.3, 20.8, 20.8, 1.2);
(636932.6, 4176405.4, 21.0, 21.0, 1.2); (636910.9, 4176394.5, 20.8, 20.8, 1.2);
(636855.8, 4176450.7, 20.5, 20.5, 1.2); (636834.2, 4176439.8, 20.5, 20.5, 1.2);
(636812.7, 4176429.0, 20.7, 20.7, 1.2); (636791.1, 4176418.1, 20.7, 20.7, 1.2);
(636769.6, 4176407.2, 20.7, 20.7, 1.2); (636748.0, 4176396.4, 20.5, 20.5, 1.2);
(636726.5, 4176385.5, 20.6, 20.6, 1.2); (636704.9, 4176374.6, 20.6, 20.6, 1.2);
(636683.4, 4176363.8, 20.6, 20.6, 1.2); (636661.8, 4176352.9, 20.6, 20.6, 1.2);
(636640.3, 4176342.0, 20.5, 20.5, 1.2); (636618.8, 4176331.2, 20.6, 20.6, 1.2);
(636597.2, 4176320.3, 20.6, 20.6, 1.2); (636575.7, 4176309.4, 20.7, 20.7, 1.2);
(636554.1, 4176298.6, 20.6, 20.6, 1.2); (636532.6,

```
4176287.7,      20.7,      20.7,       1.2);
     ( 636511.0, 4176276.8,      20.7,      20.7,       1.2);         ( 636489.5,
4176266.0,      20.7,      20.7,       1.2);
     ( 636467.9, 4176255.1,      20.7,      20.7,       1.2);         ( 636446.4,
4176244.2,      20.8,      20.8,       1.2);
     ( 636424.8, 4176233.4,      20.8,      20.8,       1.2);         ( 636403.3,
4176222.5,      20.8,      20.8,       1.2);
     ( 636381.7, 4176211.6,      20.9,      20.9,       1.2);         ( 636360.2,
4176200.8,      21.1,      21.1,       1.2);
     ( 636338.6, 4176189.9,      21.5,      21.5,       1.2);         ( 636867.0,
4176428.4,      20.8,      20.8,       1.2);
     ( 636845.5, 4176417.5,      20.9,      20.9,       1.2);         ( 636823.9,
4176406.6,      21.0,      21.0,       1.2);
     ( 636802.4, 4176395.8,      21.1,      21.1,       1.2);         ( 636780.8,
4176384.9,      21.2,      21.2,       1.2);
     ( 636759.3, 4176374.0,      20.9,      20.9,       1.2);         ( 636737.7,
4176363.2,      20.8,      20.8,       1.2);
     ( 636716.2, 4176352.3,      20.8,      20.8,       1.2);         ( 636694.6,
4176341.4,      20.7,      20.7,       1.2);
     ( 636673.1, 4176330.6,      20.7,      20.7,       1.2);         ( 636651.6,
4176319.7,      20.7,      20.7,       1.2);
     ( 636630.0, 4176308.8,      20.7,      20.7,       1.2);         ( 636608.5,
4176298.0,      20.8,      20.8,       1.2);
     ( 636586.9, 4176287.1,      20.9,      20.9,       1.2);         ( 636565.4,
4176276.2,      21.1,      21.1,       1.2);
     ( 636543.8, 4176265.4,      21.1,      21.1,       1.2);         ( 636522.3,
4176254.5,      21.1,      21.1,       1.2);
     ( 636500.7, 4176243.6,      21.2,      21.2,       1.2);         ( 636479.2,
4176232.8,      21.3,      21.3,       1.2);
     ( 636457.6, 4176221.9,      21.4,      21.4,       1.2);         ( 636436.1,
4176211.0,      21.6,      21.6,       1.2);
     ( 636414.5, 4176200.2,      21.9,      21.9,       1.2);         ( 636393.0,
4176189.3,      21.9,      21.9,       1.2);
     ( 636371.4, 4176178.4,      21.8,      21.8,       1.2);         ( 636349.9,
4176167.6,      21.5,      21.5,       1.2);
     ( 636878.3, 4176406.0,      20.6,      20.6,       1.2);         ( 636856.7,
4176395.2,      20.7,      20.7,       1.2);
     ( 636835.2, 4176384.3,      20.9,      20.9,       1.2);         ( 636813.6,
4176373.4,      20.9,      20.9,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(636792.1, 4176362.6, 21.2, 21.2, 1.2); (636770.5, 4176351.7, 21.0, 21.0, 1.2);
(636749.0, 4176340.9, 20.6, 20.6, 1.2); (636727.5, 4176330.0, 20.5, 20.5, 1.2);
(636705.9, 4176319.1, 20.5, 20.5, 1.2); (636684.4, 4176308.3, 20.5, 20.5, 1.2);
(636662.8, 4176297.4, 20.5, 20.5, 1.2); (636641.3, 4176286.5, 20.5, 20.5, 1.2);
(636619.7, 4176275.7, 20.6, 20.6, 1.2); (636598.2, 4176264.8, 20.7, 20.7, 1.2);
(636576.6, 4176253.9, 20.8, 20.8, 1.2); (636555.1, 4176243.1, 20.8, 20.8, 1.2);
(636533.5, 4176232.2, 20.9, 20.9, 1.2); (636512.0, 4176221.3, 21.0, 21.0, 1.2);
(636490.4, 4176210.5, 21.1, 21.1, 1.2); (636468.9, 4176199.6, 21.1, 21.1, 1.2);
(636447.3, 4176188.7, 21.6, 21.6, 1.2); (636425.8, 4176177.9, 22.0, 22.0, 1.2);
(636404.2, 4176167.0, 21.7, 21.7, 1.2); (636382.7, 4176156.1, 21.6, 21.6, 1.2);
(636361.2, 4176145.3, 21.9, 21.9, 1.2); (636889.5, 4176383.7, 20.7, 20.7, 1.2);
(636868.0, 4176372.9, 20.9, 20.9, 1.2); (636846.4, 4176362.0, 21.1, 21.1, 1.2);
(636824.9, 4176351.1, 20.9, 20.9, 1.2); (636803.4, 4176340.3, 21.2, 21.2, 1.2);
(636781.8, 4176329.4, 21.0, 21.0, 1.2); (636760.2, 4176318.5, 20.6, 20.6, 1.2);
(636738.7, 4176307.7, 20.6, 20.6, 1.2); (636717.2, 4176296.8, 20.8, 20.8, 1.2);
(636695.6, 4176285.9, 20.6, 20.6, 1.2); (636674.1, 4176275.1, 20.6, 20.6, 1.2);
(636652.5, 4176264.2, 20.8, 20.8, 1.2); (636631.0, 4176253.3, 21.0, 21.0, 1.2);
(636609.4, 4176242.5, 20.6, 20.6, 1.2); (636587.9, 4176231.6, 21.0, 21.0, 1.2);
(636566.3, 4176220.7, 21.0, 21.0, 1.2); (636544.8, 4176209.9, 21.0, 21.0, 1.2);
(636523.2, 4176199.0, 21.1, 21.1, 1.2); (636501.7, 4176188.1, 21.4, 21.4, 1.2);
(636480.1, 4176177.3, 21.0, 21.0, 1.2); (636458.6, 4176166.4, 21.5, 21.5, 1.2);
(636437.1, 4176155.5, 21.8, 21.8, 1.2); (636415.5, 4176144.7, 21.7, 21.7, 1.2);
(636394.0, 4176133.8, 21.4, 21.4, 1.2); (636372.4, 4176122.9, 22.0, 22.0, 1.2);
(636333.6, 4176285.8, 21.4, 21.4, 1.2); (636355.4, 4176296.8, 20.6, 20.6, 1.2);
(636377.1, 4176307.8, 20.3, 20.3, 1.2); (636398.9, 4176318.8, 20.2, 20.2, 1.2);
(636420.7, 4176329.9, 20.2, 20.2, 1.2); (636442.5,

```
4176340.9,      20.2,      20.2,       1.2);
     ( 636464.3, 4176351.9,      20.1,      20.1,      1.2);         ( 636486.1,
4176362.9,      20.2,      20.2,       1.2);
     ( 636507.9, 4176373.9,      20.2,      20.2,      1.2);         ( 636529.7,
4176385.0,      20.2,      20.2,       1.2);
     ( 636551.5, 4176396.0,      20.2,      20.2,      1.2);         ( 636573.3,
4176407.0,      20.1,      20.1,       1.2);
     ( 636595.1, 4176418.0,      20.1,      20.1,      1.2);         ( 636616.9,
4176429.1,      20.1,      20.1,       1.2);
     ( 636638.6, 4176440.1,      20.1,      20.1,      1.2);         ( 636660.4,
4176451.1,      20.2,      20.2,       1.2);
     ( 636682.2, 4176462.1,      20.0,      20.0,      1.2);         ( 636704.0,
4176473.2,      20.0,      20.0,       1.2);
     ( 636725.8, 4176484.2,      19.8,      19.8,      1.2);         ( 636747.6,
4176495.2,      19.8,      19.8,       1.2);
     ( 636769.4, 4176506.2,      20.0,      20.0,      1.2);         ( 636791.2,
4176517.3,      20.0,      20.0,       1.2);
     ( 636813.0, 4176528.3,      20.2,      20.2,      1.2);         ( 636834.8,
4176539.3,      20.3,      20.3,       1.2);
     ( 636856.6, 4176550.3,      20.2,      20.2,      1.2);         ( 636878.3,
4176561.3,      20.3,      20.3,       1.2);
     ( 636900.1, 4176572.4,      20.3,      20.3,      1.2);         ( 636921.9,
4176583.4,      20.3,      20.3,       1.2);
     ( 636943.7, 4176594.4,      20.3,      20.3,      1.2);         ( 636965.5,
4176605.4,      20.2,      20.2,       1.2);
     ( 636987.3, 4176616.5,      20.2,      20.2,      1.2);         ( 637009.1,
4176627.5,      20.4,      20.4,       1.2);
     ( 637030.9, 4176638.5,      20.5,      20.5,      1.2);         ( 637052.7,
4176649.5,      20.4,      20.4,       1.2);
     ( 637074.5, 4176660.6,      20.4,      20.4,      1.2);         ( 637096.2,
4176671.6,      20.4,      20.4,       1.2);
     ( 637118.0, 4176682.6,      20.6,      20.6,      1.2);         ( 637139.8,
4176693.6,      21.2,      21.2,       1.2);
     ( 636322.3, 4176308.1,      20.8,      20.8,      1.2);         ( 636344.1,
4176319.1,      20.6,      20.6,       1.2);
     ( 636365.9, 4176330.1,      20.1,      20.1,      1.2);         ( 636387.7,
4176341.1,      20.1,      20.1,       1.2);
     ( 636409.4, 4176352.2,      20.1,      20.1,      1.2);         ( 636431.2,
4176363.2,      19.9,      19.9,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(636453.0, 4176374.2, 19.9, 19.9, 1.2); (636474.8, 4176385.2, 19.9, 19.9, 1.2);
(636496.6, 4176396.3, 19.8, 19.8, 1.2); (636518.4, 4176407.3, 19.8, 19.8, 1.2);
(636540.2, 4176418.3, 19.8, 19.8, 1.2); (636562.0, 4176429.3, 19.9, 19.9, 1.2);
(636583.8, 4176440.4, 19.8, 19.8, 1.2); (636605.6, 4176451.4, 19.8, 19.8, 1.2);
(636627.4, 4176462.4, 19.9, 19.9, 1.2); (636649.1, 4176473.4, 19.8, 19.8, 1.2);
(636670.9, 4176484.4, 19.9, 19.9, 1.2); (636692.7, 4176495.5, 19.9, 19.9, 1.2);
(636714.5, 4176506.5, 19.8, 19.8, 1.2); (636736.3, 4176517.5, 19.8, 19.8, 1.2);
(636758.1, 4176528.5, 19.9, 19.9, 1.2); (636779.9, 4176539.6, 19.9, 19.9, 1.2);
(636801.7, 4176550.6, 20.0, 20.0, 1.2); (636823.5, 4176561.6, 20.1, 20.1, 1.2);
(636845.3, 4176572.6, 20.1, 20.1, 1.2); (636867.1, 4176583.7, 20.2, 20.2, 1.2);
(636888.9, 4176594.7, 20.1, 20.1, 1.2); (636910.6, 4176605.7, 20.1, 20.1, 1.2);
(636932.4, 4176616.7, 20.1, 20.1, 1.2); (636954.2, 4176627.8, 19.9, 19.9, 1.2);
(636976.0, 4176638.8, 19.9, 19.9, 1.2); (636997.8, 4176649.8, 19.8, 19.8, 1.2);
(637019.6, 4176660.8, 19.8, 19.8, 1.2); (637041.4, 4176671.8, 19.8, 19.8, 1.2);
(637063.2, 4176682.9, 20.1, 20.1, 1.2); (637085.0, 4176693.9, 19.6, 19.6, 1.2);
(637106.8, 4176704.9, 20.1, 20.1, 1.2); (637128.6, 4176715.9, 21.0, 21.0, 1.2);
(636311.0, 4176330.4, 20.6, 20.6, 1.2); (636332.8, 4176341.4, 20.7, 20.7, 1.2);
(636354.6, 4176352.4, 20.0, 20.0, 1.2); (636376.4, 4176363.4, 19.7, 19.7, 1.2);
(636398.2, 4176374.5, 19.6, 19.6, 1.2); (636420.0, 4176385.5, 19.5, 19.5, 1.2);
(636441.7, 4176396.5, 19.4, 19.4, 1.2); (636463.5, 4176407.5, 19.4, 19.4, 1.2);
(636485.3, 4176418.6, 19.3, 19.3, 1.2); (636507.1, 4176429.6, 19.2, 19.2, 1.2);
(636528.9, 4176440.6, 19.2, 19.2, 1.2); (636550.7, 4176451.6, 19.1, 19.1, 1.2);
(636572.5, 4176462.7, 19.0, 19.0, 1.2); (636594.3, 4176473.7, 19.4, 19.4, 1.2);
(636616.1, 4176484.7, 19.8, 19.8, 1.2); (636637.9, 4176495.7, 19.6, 19.6, 1.2);
(636659.7, 4176506.8, 19.4, 19.4, 1.2); (636681.4, 4176517.8, 19.9, 19.9, 1.2);
(636703.2, 4176528.8, 19.7, 19.7, 1.2); (636725.0,

```
4176539.8,      19.2,      19.2,       1.2);
     ( 636746.8, 4176550.8,      19.3,      19.3,       1.2);         ( 636768.6,
4176561.9,      19.4,      19.4,       1.2);
     ( 636790.4, 4176572.9,      19.4,      19.4,       1.2);         ( 636812.2,
4176583.9,      19.5,      19.5,       1.2);
     ( 636834.0, 4176594.9,      19.6,      19.6,       1.2);         ( 636855.8,
4176606.0,      19.7,      19.7,       1.2);
     ( 636877.6, 4176617.0,      19.6,      19.6,       1.2);         ( 636899.4,
4176628.0,      19.5,      19.5,       1.2);
     ( 636921.1, 4176639.0,      19.4,      19.4,       1.2);         ( 636942.9,
4176650.1,      19.4,      19.4,       1.2);
     ( 636964.7, 4176661.1,      19.3,      19.3,       1.2);         ( 636986.5,
4176672.1,      19.3,      19.3,       1.2);
     ( 637008.3, 4176683.1,      19.6,      19.6,       1.2);         ( 637030.1,
4176694.2,      19.9,      19.9,       1.2);
     ( 637051.9, 4176705.2,      19.9,      19.9,       1.2);         ( 637073.7,
4176716.2,      19.3,      19.3,       1.2);
     ( 637095.5, 4176727.2,      19.9,      19.9,       1.2);         ( 637117.3,
4176738.2,      20.4,      20.4,       1.2);
     ( 636299.7, 4176352.7,      20.2,      20.2,       1.2);         ( 636321.5,
4176363.7,      20.3,      20.3,       1.2);
     ( 636343.3, 4176374.7,      20.1,      20.1,       1.2);         ( 636365.1,
4176385.8,      19.9,      19.9,       1.2);
     ( 636386.9, 4176396.8,      19.8,      19.8,       1.2);         ( 636408.7,
4176407.8,      19.5,      19.5,       1.2);
     ( 636430.5, 4176418.8,      19.9,      19.9,       1.2);         ( 636452.2,
4176429.9,      19.9,      19.9,       1.2);
     ( 636474.0, 4176440.9,      19.8,      19.8,       1.2);         ( 636495.8,
4176451.9,      19.7,      19.7,       1.2);
     ( 636517.6, 4176462.9,      19.6,      19.6,       1.2);         ( 636539.4,
4176473.9,      19.6,      19.6,       1.2);
     ( 636561.2, 4176485.0,      19.2,      19.2,       1.2);         ( 636583.0,
4176496.0,      19.3,      19.3,       1.2);
     ( 636604.8, 4176507.0,      19.7,      19.7,       1.2);         ( 636626.6,
4176518.0,      19.6,      19.6,       1.2);
     ( 636648.4, 4176529.1,      19.4,      19.4,       1.2);         ( 636670.2,
4176540.1,      19.8,      19.8,       1.2);
     ( 636692.0, 4176551.1,      19.7,      19.7,       1.2);         ( 636713.7,
4176562.1,      19.1,      19.1,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(636735.5, 4176573.2, 19.8, 19.8, 1.2); (636757.3, 4176584.2, 20.0, 20.0, 1.2);
(636779.1, 4176595.2, 20.0, 20.0, 1.2); (636800.9, 4176606.2, 20.0, 20.0, 1.2);
(636822.7, 4176617.2, 20.1, 20.1, 1.2); (636844.5, 4176628.3, 20.1, 20.1, 1.2);
(636866.3, 4176639.3, 20.2, 20.2, 1.2); (636888.1, 4176650.3, 20.1, 20.1, 1.2);
(636909.9, 4176661.3, 20.0, 20.0, 1.2); (636931.7, 4176672.4, 19.9, 19.9, 1.2);
(636953.4, 4176683.4, 19.8, 19.8, 1.2); (636975.2, 4176694.4, 19.7, 19.7, 1.2);
(636997.0, 4176705.4, 19.3, 19.3, 1.2); (637018.8, 4176716.5, 19.1, 19.1, 1.2);
(637040.6, 4176727.5, 19.4, 19.4, 1.2); (637062.4, 4176738.5, 19.3, 19.3, 1.2);
(637084.2, 4176749.5, 19.7, 19.7, 1.2); (637106.0, 4176760.6, 19.9, 19.9, 1.2);
(637161.7, 4176704.4, 21.9, 21.9, 1.2); (637183.3, 4176714.9, 19.0, 22.2, 1.2);
(637204.9, 4176725.5, 20.0, 20.0, 1.2); (637226.5, 4176736.1, 20.2, 20.2, 1.2);
(637248.1, 4176746.7, 20.4, 20.4, 1.2); (637269.7, 4176757.3, 20.5, 20.5, 1.2);
(637291.3, 4176767.9, 20.5, 20.5, 1.2); (637312.9, 4176778.5, 20.5, 20.5, 1.2);
(637334.5, 4176789.1, 20.6, 20.6, 1.2); (637356.1, 4176799.7, 20.6, 20.6, 1.2);
(637377.7, 4176810.3, 20.7, 20.7, 1.2); (637399.3, 4176820.8, 20.6, 20.6, 1.2);
(637420.9, 4176831.4, 20.6, 20.6, 1.2); (637150.7, 4176726.8, 21.3, 21.3, 1.2);
(637172.3, 4176737.4, 19.0, 21.6, 1.2); (637193.9, 4176748.0, 20.0, 20.0, 1.2);
(637215.5, 4176758.6, 19.9, 19.9, 1.2); (637237.1, 4176769.2, 20.0, 20.0, 1.2);
(637258.7, 4176779.8, 20.1, 20.1, 1.2); (637280.3, 4176790.3, 20.2, 20.2, 1.2);
(637301.9, 4176800.9, 20.3, 20.3, 1.2); (637323.5, 4176811.5, 20.3, 20.3, 1.2);
(637345.1, 4176822.1, 20.4, 20.4, 1.2); (637366.7, 4176832.7, 20.5, 20.5, 1.2);
(637388.3, 4176843.3, 20.3, 20.3, 1.2); (637409.9, 4176853.9, 20.1, 20.1, 1.2);
(637139.7, 4176749.3, 20.5, 20.5, 1.2); (637161.3, 4176759.8, 19.4, 19.4, 1.2);
(637182.9, 4176770.4, 19.7, 19.7, 1.2); (637204.5, 4176781.0, 19.2, 19.2, 1.2);
(637226.1, 4176791.6, 19.4, 19.4, 1.2); (637247.7, 4176802.2, 19.4, 19.4, 1.2);
(637269.3, 4176812.8, 19.5, 19.5, 1.2); (637290.9,

```
4176823.4,      19.6,      19.6,       1.2);
     ( 637312.5, 4176834.0,      19.7,      19.7,       1.2);         ( 637334.1,
4176844.6,      19.8,      19.8,       1.2);
     ( 637355.7, 4176855.1,      19.9,      19.9,       1.2);         ( 637377.3,
4176865.7,      19.8,      19.8,       1.2);
     ( 637398.9, 4176876.3,      19.7,      19.7,       1.2);         ( 637128.7,
4176771.7,      19.4,      19.4,       1.2);
     ( 637150.3, 4176782.3,      19.8,      19.8,       1.2);         ( 637171.9,
4176792.9,      19.6,      19.6,       1.2);
     ( 637193.5, 4176803.5,      19.3,      19.3,       1.2);         ( 637215.1,
4176814.1,      19.9,      19.9,       1.2);
     ( 637236.7, 4176824.6,      20.0,      20.0,       1.2);         ( 637258.3,
4176835.2,      20.0,      20.0,       1.2);
     ( 637279.9, 4176845.8,      20.1,      20.1,       1.2);         ( 637301.5,
4176856.4,      20.1,      20.1,       1.2);
     ( 637323.1, 4176867.0,      20.2,      20.2,       1.2);         ( 637344.7,
4176877.6,      20.3,      20.3,       1.2);
     ( 637366.3, 4176888.2,      20.3,      20.3,       1.2);         ( 637387.9,
4176898.8,      20.1,      20.1,       1.2);
     ( 637442.9, 4176842.6,      20.4,      20.4,       1.2);         ( 637465.2,
4176853.9,      20.5,      20.5,       1.2);
     ( 637487.5, 4176865.2,      20.5,      20.5,       1.2);         ( 637509.8,
4176876.5,      20.5,      20.5,       1.2);
     ( 637532.1, 4176887.8,      20.6,      20.6,       1.2);         ( 637554.4,
4176899.0,      20.4,      20.4,       1.2);
     ( 637576.7, 4176910.3,      20.2,      20.2,       1.2);         ( 637599.0,
4176921.6,      20.3,      20.3,       1.2);
     ( 637621.3, 4176932.9,      20.2,      20.2,       1.2);         ( 637643.6,
4176944.2,      20.2,      20.2,       1.2);
     ( 637665.9, 4176955.5,      20.1,      20.1,       1.2);         ( 637688.2,
4176966.8,      20.1,      20.1,       1.2);
     ( 637710.5, 4176978.1,      20.1,      20.1,       1.2);         ( 637732.8,
4176989.4,      20.2,      20.2,       1.2);
     ( 637755.1, 4177000.7,      20.2,      20.2,       1.2);         ( 637777.4,
4177012.0,      20.4,      20.4,       1.2);
     ( 637799.6, 4177023.3,      20.1,      20.1,       1.2);         ( 637821.9,
4177034.6,      20.0,      20.0,       1.2);
     ( 637844.2, 4177045.8,      20.1,      20.1,       1.2);         ( 637866.5,
4177057.1,      20.1,      20.1,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637431.6, 4176864.9, 20.1, 20.1, 1.2); (637453.9, 4176876.2, 20.2, 20.2, 1.2);
(637476.2, 4176887.5, 20.2, 20.2, 1.2); (637498.5, 4176898.8, 20.3, 20.3, 1.2);
(637520.8, 4176910.1, 20.3, 20.3, 1.2); (637543.1, 4176921.3, 20.2, 20.2, 1.2);
(637565.4, 4176932.6, 20.3, 20.3, 1.2); (637587.7, 4176943.9, 20.3, 20.3, 1.2);
(637610.0, 4176955.2, 20.3, 20.3, 1.2); (637632.3, 4176966.5, 20.2, 20.2, 1.2);
(637654.6, 4176977.8, 20.1, 20.1, 1.2); (637676.9, 4176989.1, 20.2, 20.2, 1.2);
(637699.2, 4177000.4, 20.1, 20.1, 1.2); (637721.5, 4177011.7, 20.1, 20.1, 1.2);
(637743.8, 4177023.0, 20.0, 20.0, 1.2); (637766.1, 4177034.3, 20.1, 20.1, 1.2);
(637788.4, 4177045.6, 20.0, 20.0, 1.2); (637810.6, 4177056.9, 19.9, 19.9, 1.2);
(637832.9, 4177068.2, 20.0, 20.0, 1.2); (637855.2, 4177079.4, 20.0, 20.0, 1.2);
(637420.3, 4176887.2, 19.5, 19.5, 1.2); (637442.6, 4176898.5, 19.5, 19.5, 1.2);
(637464.9, 4176909.8, 19.6, 19.6, 1.2); (637487.2, 4176921.1, 19.6, 19.6, 1.2);
(637509.5, 4176932.4, 19.7, 19.7, 1.2); (637531.8, 4176943.7, 19.7, 19.7, 1.2);
(637554.1, 4176954.9, 19.8, 19.8, 1.2); (637576.4, 4176966.2, 19.9, 19.9, 1.2);
(637598.7, 4176977.5, 19.9, 19.9, 1.2); (637621.0, 4176988.8, 19.9, 19.9, 1.2);
(637643.3, 4177000.1, 19.8, 19.8, 1.2); (637665.6, 4177011.4, 19.8, 19.8, 1.2);
(637687.9, 4177022.7, 19.7, 19.7, 1.2); (637710.2, 4177034.0, 19.8, 19.8, 1.2);
(637732.5, 4177045.3, 19.6, 19.6, 1.2); (637754.8, 4177056.6, 20.0, 20.0, 1.2);
(637777.1, 4177067.9, 19.9, 19.9, 1.2); (637799.4, 4177079.2, 19.9, 19.9, 1.2);
(637821.7, 4177090.5, 19.9, 19.9, 1.2); (637843.9, 4177101.8, 20.0, 20.0, 1.2);
(637409.0, 4176909.5, 19.7, 19.7, 1.2); (637431.3, 4176920.8, 19.6, 19.6, 1.2);
(637453.6, 4176932.1, 20.1, 20.1, 1.2); (637475.9, 4176943.4, 20.0, 20.0, 1.2);
(637498.2, 4176954.7, 20.1, 20.1, 1.2); (637520.5, 4176966.0, 19.7, 19.7, 1.2);
(637542.8, 4176977.2, 19.9, 19.9, 1.2); (637565.1, 4176988.5, 20.1, 20.1, 1.2);
(637587.4, 4176999.8, 20.1, 20.1, 1.2); (637609.7, 4177011.1, 20.1, 20.1, 1.2);
(637632.0, 4177022.4, 20.1, 20.1, 1.2); (637654.3,

```
4177033.7,      20.1,      20.1,       1.2);
     ( 637676.6, 4177045.0,      20.0,      20.0,      1.2);         ( 637698.9,
4177056.3,      19.6,      19.6,       1.2);
     ( 637721.2, 4177067.6,      19.5,      19.5,      1.2);         ( 637743.5,
4177078.9,      19.8,      19.8,       1.2);
     ( 637765.8, 4177090.2,      20.2,      20.2,      1.2);         ( 637788.1,
4177101.5,      19.8,      19.8,       1.2);
     ( 637810.4, 4177112.8,      19.9,      19.9,      1.2);         ( 637832.7,
4177124.0,      19.9,      19.9,       1.2);
     ( 637902.3, 4177074.8,      20.2,      20.2,      1.2);         ( 637937.8,
4177092.3,      21.1,      21.1,       1.2);
     ( 637891.2, 4177097.2,      19.7,      19.7,      1.2);         ( 637926.8,
4177114.7,      20.7,      20.7,       1.2);
     ( 637880.2, 4177119.6,      19.8,      19.8,      1.2);         ( 637915.7,
4177137.1,      20.1,      20.1,       1.2);
     ( 637869.1, 4177142.0,      19.9,      19.9,      1.2);         ( 637904.7,
4177159.6,      19.9,      19.9,       1.2);
     ( 637958.2, 4177145.7,      20.1,      20.1,      1.2);         ( 637979.5,
4177156.5,      20.1,      20.1,       1.2);
     ( 638000.8, 4177167.3,      19.8,      19.8,      1.2);         ( 638022.1,
4177178.1,      19.9,      19.9,       1.2);
     ( 638043.4, 4177188.9,      20.0,      20.0,      1.2);         ( 638064.7,
4177199.8,      20.1,      20.1,       1.2);
     ( 638086.0, 4177210.6,      20.1,      20.1,      1.2);         ( 638107.3,
4177221.4,      20.0,      20.0,       1.2);
     ( 638128.6, 4177232.2,      19.9,      19.9,      1.2);         ( 638149.9,
4177243.0,      19.8,      19.8,       1.2);
     ( 638171.2, 4177253.8,      19.9,      19.9,      1.2);         ( 638192.5,
4177264.6,      20.0,      20.0,       1.2);
     ( 638213.8, 4177275.4,      20.1,      20.1,      1.2);         ( 638235.1,
4177286.2,      20.2,      20.2,       1.2);
     ( 638256.4, 4177297.0,      20.1,      20.1,      1.2);         ( 638277.8,
4177307.8,      20.0,      20.0,       1.2);
     ( 637946.9, 4177168.0,      20.0,      20.0,      1.2);         ( 637968.2,
4177178.8,      19.9,      19.9,       1.2);
     ( 637989.5, 4177189.6,      19.6,      19.6,      1.2);         ( 638010.8,
4177200.4,      20.2,      20.2,       1.2);
     ( 638032.1, 4177211.2,      20.3,      20.3,      1.2);         ( 638053.4,
4177222.0,      20.3,      20.3,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638074.7, 4177232.8, 20.4, 20.4, 1.2); (638096.0, 4177243.7, 20.3, 20.3, 1.2);
(638117.3, 4177254.5, 20.2, 20.2, 1.2); (638138.6, 4177265.3, 20.0, 20.0, 1.2);
(638159.9, 4177276.1, 20.1, 20.1, 1.2); (638181.2, 4177286.9, 20.3, 20.3, 1.2);
(638202.5, 4177297.7, 20.4, 20.4, 1.2); (638223.8, 4177308.5, 20.5, 20.5, 1.2);
(638245.1, 4177319.3, 20.5, 20.5, 1.2); (638266.4, 4177330.1, 20.2, 20.2, 1.2);
(637935.6, 4177190.3, 19.5, 19.5, 1.2); (637956.9, 4177201.1, 19.9, 19.9, 1.2);
(637978.2, 4177211.9, 19.6, 19.6, 1.2); (637999.5, 4177222.7, 19.7, 19.7, 1.2);
(638020.8, 4177233.5, 19.9, 19.9, 1.2); (638042.1, 4177244.3, 20.0, 20.0, 1.2);
(638063.4, 4177255.1, 20.1, 20.1, 1.2); (638084.7, 4177266.0, 20.1, 20.1, 1.2);
(638106.0, 4177276.8, 20.2, 20.2, 1.2); (638127.3, 4177287.6, 19.8, 19.8, 1.2);
(638148.6, 4177298.4, 19.8, 19.8, 1.2); (638169.9, 4177309.2, 20.3, 20.3, 1.2);
(638191.2, 4177320.0, 20.0, 20.0, 1.2); (638212.5, 4177330.8, 20.1, 20.1, 1.2);
(638233.8, 4177341.6, 20.2, 20.2, 1.2); (638255.1, 4177352.4, 19.8, 19.8, 1.2);
(637889.5, 4177189.3, 19.7, 19.7, 1.2); (637924.3, 4177212.6, 19.4, 19.4, 1.2);
(637945.6, 4177223.4, 19.3, 19.3, 1.2); (637966.9, 4177234.2, 19.2, 19.2, 1.2);
(637988.2, 4177245.0, 19.2, 19.2, 1.2); (638009.5, 4177255.8, 19.5, 19.5, 1.2);
(638030.8, 4177266.6, 19.6, 19.6, 1.2); (638052.1, 4177277.4, 19.7, 19.7, 1.2);
(638073.4, 4177288.2, 19.8, 19.8, 1.2); (638094.7, 4177299.1, 19.8, 19.8, 1.2);
(638116.0, 4177309.9, 19.7, 19.7, 1.2); (638137.3, 4177320.7, 19.7, 19.7, 1.2);
(638158.6, 4177331.5, 20.1, 20.1, 1.2); (638179.9, 4177342.3, 19.8, 19.8, 1.2);
(638201.2, 4177353.1, 19.9, 19.9, 1.2); (638222.5, 4177363.9, 20.1, 20.1, 1.2);
(638243.8, 4177374.7, 19.6, 19.6, 1.2); (638299.0, 4177318.5, 20.2, 20.2, 1.2);
(638320.2, 4177329.2, 20.2, 20.2, 1.2); (638341.5, 4177339.9, 19.7, 19.7, 1.2);
(638287.8, 4177340.9, 19.9, 19.9, 1.2); (638309.0, 4177351.6, 19.7, 19.7, 1.2);
(638330.2, 4177362.3, 19.4, 19.4, 1.2); (638276.5, 4177363.2, 20.0, 20.0, 1.2);
(638297.8, 4177373.9, 19.4, 19.4, 1.2); (638319.0,

```
4177384.6,      19.3,      19.3,       1.2);
     ( 638265.3, 4177385.5,      20.0,      20.0,      1.2);         ( 638286.5,
4177396.2,      19.5,      19.5,       1.2);
     ( 638307.7, 4177406.9,      19.3,      19.3,      1.2);         ( 638380.8,
4177333.5,      19.5,      19.5,       1.2);
     ( 638418.7, 4177318.6,      19.7,      19.7,      1.2);         ( 638357.4,
4177363.5,      19.3,      19.3,       1.2);
     ( 638389.9, 4177356.7,      19.4,      19.4,      1.2);         ( 638427.8,
4177341.9,      19.5,      19.5,       1.2);
     ( 638364.8, 4177386.7,      19.3,      19.3,      1.2);         ( 638399.1,
4177380.0,      19.4,      19.4,       1.2);
     ( 638436.9, 4177365.1,      19.4,      19.4,      1.2);         ( 638372.9,
4177409.9,      19.3,      19.3,       1.2);
     ( 638340.3, 4177408.4,      19.4,      19.4,      1.2);         ( 638408.2,
4177403.3,      19.3,      19.3,       1.2);
     ( 638446.1, 4177388.4,      19.2,      19.2,      1.2);         ( 638463.9,
4177349.8,      19.4,      19.4,       1.2);
     ( 638485.7, 4177360.5,      19.2,      19.2,      1.2);         ( 638474.7,
4177382.9,      19.1,      19.1,       1.2);
     ( 638463.7, 4177405.4,      18.9,      18.9,      1.2);         ( 638430.9,
4177417.1,      19.1,      19.1,       1.2);
     ( 638452.7, 4177427.8,      18.9,      18.9,      1.2);         ( 638506.4,
4177371.0,      19.0,      19.0,       1.2);
     ( 638527.4, 4177381.8,      19.0,      19.0,      1.2);         ( 638548.5,
4177392.5,      18.9,      18.9,       1.2);
     ( 638569.5, 4177403.3,      18.8,      18.8,      1.2);         ( 638590.6,
4177414.0,      18.6,      18.6,       1.2);
     ( 638611.7, 4177424.8,      18.7,      18.7,      1.2);         ( 638495.0,
4177393.3,      18.8,      18.8,       1.2);
     ( 638516.1, 4177404.0,      18.7,      18.7,      1.2);         ( 638537.1,
4177414.8,      18.6,      18.6,       1.2);
     ( 638558.2, 4177425.5,      18.5,      18.5,      1.2);         ( 638579.2,
4177436.3,      18.5,      18.5,       1.2);
     ( 638600.3, 4177447.0,      18.4,      18.4,      1.2);         ( 638504.7,
4177426.3,      18.5,      18.5,       1.2);
     ( 638525.7, 4177437.0,      18.5,      18.5,      1.2);         ( 638546.8,
4177447.8,      18.2,      18.2,       1.2);
     ( 638567.9, 4177458.6,      18.3,      18.3,      1.2);         ( 638493.3,
4177448.6,      18.4,      18.4,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638514.4, 4177459.3, 18.6, 18.6, 1.2); (638535.4, 4177470.1, 18.4, 18.4, 1.2);
(638632.3, 4177435.1, 18.8, 18.8, 1.2); (638652.8, 4177445.4, 18.9, 18.9, 1.2);
(638714.4, 4177476.3, 19.1, 19.1, 1.2); (638734.9, 4177486.6, 19.0, 19.0, 1.2);
(638621.1, 4177457.5, 18.7, 18.7, 1.2); (638723.7, 4177508.9, 19.0, 19.0, 1.2);
(638712.5, 4177531.3, 18.9, 18.9, 1.2); (638660.2, 4177533.1, 18.5, 18.5, 1.2);
(638680.7, 4177543.3, 18.6, 18.6, 1.2); (638701.2, 4177553.6, 18.8, 18.8, 1.2);
(638774.7, 4177506.1, 19.0, 19.0, 1.2); (638814.3, 4177525.5, 18.7, 18.7, 1.2);
(638854.0, 4177544.9, 18.3, 18.3, 1.2); (638893.6, 4177564.3, 18.4, 18.4, 1.2);
(638763.7, 4177528.6, 18.9, 18.9, 1.2); (638803.3, 4177548.0, 18.4, 18.4, 1.2);
(638843.0, 4177567.4, 18.2, 18.2, 1.2); (638882.6, 4177586.8, 18.0, 18.0, 1.2);
(638732.9, 4177541.3, 18.7, 18.7, 1.2); (638772.5, 4177560.7, 18.4, 18.4, 1.2);
(638812.2, 4177580.1, 18.0, 18.0, 1.2); (638851.8, 4177599.5, 17.8, 17.8, 1.2);
(638721.9, 4177563.8, 18.7, 18.7, 1.2); (638761.5, 4177583.2, 18.4, 18.4, 1.2);
(638801.2, 4177602.6, 18.1, 18.1, 1.2); (638840.8, 4177622.0, 17.6, 17.6, 1.2);
(638915.7, 4177574.8, 18.3, 18.3, 1.2); (638937.5, 4177585.2, 18.2, 18.2, 1.2);
(638959.4, 4177595.6, 18.1, 18.1, 1.2); (638981.3, 4177606.0, 17.9, 17.9, 1.2);
(638905.0, 4177597.4, 18.0, 18.0, 1.2); (638926.8, 4177607.8, 17.9, 17.9, 1.2);
(638948.7, 4177618.2, 17.8, 17.8, 1.2); (638970.5, 4177628.5, 17.8, 17.8, 1.2);
(638872.4, 4177609.6, 17.7, 17.7, 1.2); (638894.2, 4177620.0, 17.8, 17.8, 1.2);
(638916.1, 4177630.4, 17.8, 17.8, 1.2); (638937.9, 4177640.7, 17.7, 17.7, 1.2);
(638959.8, 4177651.1, 17.6, 17.6, 1.2); (638861.6, 4177632.2, 17.5, 17.5, 1.2);
(638883.5, 4177642.5, 17.7, 17.7, 1.2); (638905.4, 4177652.9, 17.7, 17.7, 1.2);
(638927.2, 4177663.3, 17.2, 17.2, 1.2); (638949.1, 4177673.7, 17.5, 17.5, 1.2);
(639019.3, 4177624.1, 17.7, 17.7, 1.2); (639057.4, 4177642.3, 17.5, 17.5, 1.2);
(639095.5, 4177660.4, 17.5, 17.5, 1.2); (639008.5, 4177646.7, 17.8, 17.8, 1.2);
(639046.6, 4177664.8, 17.7, 17.7, 1.2); (639084.7,

```
4177683.0,      17.5,      17.5,       1.2);
     ( 638997.8, 4177669.2,      17.7,      17.7,      1.2);         ( 639035.9,
4177687.4,      17.7,      17.7,       1.2);
     ( 639073.9, 4177705.6,      17.3,      17.3,      1.2);         ( 638987.0,
4177691.8,      17.5,      17.5,       1.2);
     ( 639025.1, 4177710.0,      17.6,      17.6,      1.2);         ( 639063.2,
4177728.1,      17.2,      17.2,       1.2);
     ( 639133.4, 4177679.8,      17.4,      17.4,      1.2);         ( 639172.0,
4177699.5,      17.4,      17.4,       1.2);
     ( 639122.1, 4177702.1,      17.3,      17.3,      1.2);         ( 639160.6,
4177721.8,      17.4,      17.4,       1.2);
     ( 639110.7, 4177724.4,      17.3,      17.3,      1.2);         ( 639149.2,
4177744.0,      17.3,      17.3,       1.2);
     ( 639099.3, 4177746.6,      17.2,      17.2,      1.2);         ( 639137.9,
4177766.3,      17.2,      17.2,       1.2);
     ( 639193.0, 4177710.0,      17.3,      17.3,      1.2);         ( 639213.7,
4177720.4,      17.3,      17.3,       1.2);
     ( 639234.5, 4177730.8,      17.2,      17.2,      1.2);         ( 639255.3,
4177741.2,      17.2,      17.2,       1.2);
     ( 639276.1, 4177751.6,      17.1,      17.1,      1.2);         ( 639296.9,
4177761.9,      17.1,      17.1,       1.2);
     ( 639181.8, 4177732.3,      17.3,      17.3,      1.2);         ( 639202.6,
4177742.7,      17.2,      17.2,       1.2);
     ( 639223.4, 4177753.1,      16.9,      16.9,      1.2);         ( 639244.1,
4177763.5,      16.9,      16.9,       1.2);
     ( 639264.9, 4177773.9,      17.0,      17.0,      1.2);         ( 639285.7,
4177784.3,      17.1,      17.1,       1.2);
     ( 639170.6, 4177754.7,      17.3,      17.3,      1.2);         ( 639191.4,
4177765.1,      17.2,      17.2,       1.2);
     ( 639212.2, 4177775.5,      17.0,      17.0,      1.2);         ( 639233.0,
4177785.9,      16.8,      16.8,       1.2);
     ( 639253.8, 4177796.3,      16.9,      16.9,      1.2);         ( 639274.6,
4177806.7,      16.9,      16.9,       1.2);
     ( 639159.4, 4177777.0,      17.2,      17.2,      1.2);         ( 639180.2,
4177787.4,      17.2,      17.2,       1.2);
     ( 639201.0, 4177797.8,      17.1,      17.1,      1.2);         ( 639221.8,
4177808.2,      16.7,      16.7,       1.2);
     ( 639242.6, 4177818.6,      16.8,      16.8,      1.2);         ( 639263.4,
4177829.0,      16.7,      16.7,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(639317.4, 4177772.4, 17.1, 17.1, 1.2); (639338.1, 4177782.9, 17.2, 17.2, 1.2);
(639358.7, 4177793.4, 17.2, 17.2, 1.2); (639379.4, 4177803.8, 17.2, 17.2, 1.2);
(639306.1, 4177794.7, 17.2, 17.2, 1.2); (639326.8, 4177805.1, 17.2, 17.2, 1.2);
(639347.4, 4177815.6, 17.1, 17.1, 1.2); (639368.1, 4177826.1, 17.1, 17.1, 1.2);
(639294.8, 4177816.9, 16.9, 16.9, 1.2); (639315.4, 4177827.4, 16.9, 16.9, 1.2);
(639336.1, 4177837.9, 16.9, 16.9, 1.2); (639356.7, 4177848.4, 17.0, 17.0, 1.2);
(639283.4, 4177839.2, 16.6, 16.6, 1.2); (639304.1, 4177849.7, 16.6, 16.6, 1.2);
(639324.8, 4177860.2, 16.6, 16.6, 1.2); (639345.4, 4177870.7, 16.8, 16.8, 1.2);
(639400.5, 4177815.2, 17.2, 17.2, 1.2); (639422.1, 4177826.9, 17.0, 17.0, 1.2);
(639443.8, 4177838.5, 17.0, 17.0, 1.2); (639388.7, 4177837.2, 16.9, 16.9, 1.2);
(639410.3, 4177848.9, 17.0, 17.0, 1.2); (639431.9, 4177860.5, 16.8, 16.8, 1.2);
(639376.8, 4177859.3, 16.9, 16.9, 1.2); (639398.4, 4177870.9, 16.9, 16.9, 1.2);
(639420.1, 4177882.5, 16.6, 16.6, 1.2); (639386.6, 4177892.9, 16.7, 16.7, 1.2);
(639408.2, 4177904.6, 16.6, 16.6, 1.2); (639466.2, 4177858.3, 16.8, 16.8, 1.2);
(639450.0, 4177877.3, 16.8, 16.8, 1.2); (639447.2, 4177907.8, 16.7, 16.7, 1.2);
(639431.0, 4177926.8, 16.5, 16.5, 1.2); (639484.9, 4177880.4, 16.7, 16.7, 1.2);
(639474.0, 4177910.1, 16.7, 16.7, 1.2); (639454.3, 4177945.2, 16.6, 16.6, 1.2);
(639526.1, 4177788.6, 17.9, 17.9, 1.2); (639505.1, 4177778.0, 17.8, 17.8, 1.2);
(639484.0, 4177767.3, 17.6, 17.6, 1.2); (639462.9, 4177756.7, 17.6, 17.6, 1.2);
(639441.8, 4177746.1, 17.9, 17.9, 1.2); (639420.8, 4177735.5, 17.9, 17.9, 1.2);
(639399.7, 4177724.9, 18.0, 18.0, 1.2); (639378.6, 4177714.3, 18.0, 18.0, 1.2);
(639357.6, 4177703.7, 17.9, 17.9, 1.2); (639336.5, 4177693.1, 18.1, 18.1, 1.2);
(639315.4, 4177682.5, 18.2, 18.2, 1.2); (639547.3, 4177775.2, 17.5, 17.5, 1.2);
(639516.3, 4177755.6, 18.1, 18.1, 1.2); (639495.2, 4177745.0, 17.6, 17.6, 1.2);
(639474.2, 4177734.4, 17.9, 17.9, 1.2); (639453.1, 4177723.8, 17.7, 17.7, 1.2);
(639432.0, 4177713.2, 17.6, 17.6, 1.2); (639410.9,

```
4177702.6,      17.8,      17.8,       1.2);
     ( 639389.9, 4177692.0,      18.0,      18.0,       1.2);         ( 639368.8,
4177681.4,      17.9,      17.9,       1.2);
     ( 639347.7, 4177670.8,      18.0,      18.0,       1.2);         ( 639326.6,
4177660.1,      18.0,      18.0,       1.2);
     ( 639563.5, 4177757.4,      17.7,      17.7,       1.2);         ( 639527.6,
4177733.3,      18.3,      18.3,       1.2);
     ( 639506.5, 4177722.7,      18.1,      18.1,       1.2);         ( 639485.4,
4177712.1,      17.6,      17.6,       1.2);
     ( 639464.3, 4177701.5,      17.7,      17.7,       1.2);         ( 639443.2,
4177690.9,      17.7,      17.7,       1.2);
     ( 639422.2, 4177680.2,      17.9,      17.9,       1.2);         ( 639401.1,
4177669.6,      18.0,      18.0,       1.2);
     ( 639380.0, 4177659.0,      17.9,      17.9,       1.2);         ( 639359.0,
4177648.4,      18.0,      18.0,       1.2);
     ( 639337.9, 4177637.8,      18.1,      18.1,       1.2);         ( 639573.1,
4177733.6,      17.7,      17.7,       1.2);
     ( 639538.8, 4177711.0,      18.2,      18.2,       1.2);         ( 639517.7,
4177700.4,      18.1,      18.1,       1.2);
     ( 639496.6, 4177689.8,      17.8,      17.8,       1.2);         ( 639475.6,
4177679.1,      17.9,      17.9,       1.2);
     ( 639454.5, 4177668.5,      18.0,      18.0,       1.2);         ( 639433.4,
4177657.9,      18.2,      18.2,       1.2);
     ( 639412.4, 4177647.3,      18.2,      18.2,       1.2);         ( 639391.3,
4177636.7,      18.1,      18.1,       1.2);
     ( 639370.2, 4177626.1,      18.0,      18.0,       1.2);         ( 639349.1,
4177615.5,      17.8,      17.8,       1.2);
     ( 639293.9, 4177671.3,      18.2,      18.2,       1.2);         ( 639272.1,
4177660.0,      18.1,      18.1,       1.2);
     ( 639250.3, 4177648.8,      18.1,      18.1,       1.2);         ( 639228.6,
4177637.5,      18.1,      18.1,       1.2);
     ( 639206.8, 4177626.2,      18.2,      18.2,       1.2);         ( 639185.0,
4177614.9,      18.2,      18.2,       1.2);
     ( 639163.2, 4177603.7,      18.2,      18.2,       1.2);         ( 639141.5,
4177592.4,      18.3,      18.3,       1.2);
     ( 639119.7, 4177581.1,      18.3,      18.3,       1.2);         ( 639097.9,
4177569.8,      18.5,      18.5,       1.2);
     ( 639076.1, 4177558.6,      18.5,      18.5,       1.2);         ( 639305.4,
4177649.1,      18.1,      18.1,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(639283.6, 4177637.8, 18.1, 18.1, 1.2); (639261.8, 4177626.6, 18.1, 18.1, 1.2);
(639240.1, 4177615.3, 18.1, 18.1, 1.2); (639218.3, 4177604.0, 18.2, 18.2, 1.2);
(639196.5, 4177592.8, 18.2, 18.2, 1.2); (639174.7, 4177581.5, 18.2, 18.2, 1.2);
(639153.0, 4177570.2, 18.2, 18.2, 1.2); (639131.2, 4177558.9, 18.3, 18.3, 1.2);
(639109.4, 4177547.6, 18.4, 18.4, 1.2); (639087.6, 4177536.4, 18.4, 18.4, 1.2);
(639316.9, 4177626.9, 18.0, 18.0, 1.2); (639295.1, 4177615.6, 17.9, 17.9, 1.2);
(639273.3, 4177604.4, 18.1, 18.1, 1.2); (639251.5, 4177593.1, 18.2, 18.2, 1.2);
(639229.8, 4177581.8, 18.2, 18.2, 1.2); (639208.0, 4177570.5, 18.2, 18.2, 1.2);
(639186.2, 4177559.3, 18.3, 18.3, 1.2); (639164.4, 4177548.0, 18.3, 18.3, 1.2);
(639142.7, 4177536.7, 18.4, 18.4, 1.2); (639120.9, 4177525.4, 18.4, 18.4, 1.2);
(639099.1, 4177514.2, 18.5, 18.5, 1.2); (639328.4, 4177604.7, 17.8, 17.8, 1.2);
(639306.6, 4177593.4, 18.0, 18.0, 1.2); (639284.8, 4177582.2, 17.9, 17.9, 1.2);
(639263.0, 4177570.9, 17.9, 17.9, 1.2); (639241.3, 4177559.6, 18.1, 18.1, 1.2);
(639219.5, 4177548.3, 18.1, 18.1, 1.2); (639197.7, 4177537.1, 18.2, 18.2, 1.2);
(639175.9, 4177525.8, 18.3, 18.3, 1.2); (639154.2, 4177514.5, 18.4, 18.4, 1.2);
(639132.4, 4177503.2, 18.5, 18.5, 1.2); (639110.6, 4177492.0, 18.8, 18.8, 1.2);
(639038.4, 4177538.5, 18.6, 18.6, 1.2); (639000.4, 4177518.2, 18.7, 18.7, 1.2);
(638962.5, 4177498.0, 18.8, 18.8, 1.2); (639050.2, 4177516.4, 18.6, 18.6, 1.2);
(639012.2, 4177496.1, 18.7, 18.7, 1.2); (638974.2, 4177475.9, 18.9, 18.9, 1.2);
(639062.0, 4177494.3, 18.6, 18.6, 1.2); (639024.0, 4177474.1, 18.8, 18.8, 1.2);
(638986.0, 4177453.8, 18.9, 18.9, 1.2); (639073.7, 4177472.3, 18.8, 18.8, 1.2);
(639035.7, 4177452.0, 18.9, 18.9, 1.2); (638997.8, 4177431.8, 19.2, 19.2, 1.2);
(638920.9, 4177476.7, 18.8, 18.8, 1.2); (638899.0, 4177465.9, 18.9, 18.9, 1.2);
(638877.2, 4177455.0, 18.9, 18.9, 1.2); (638855.3, 4177444.2, 18.9, 18.9, 1.2);
(638833.4, 4177433.4, 19.0, 19.0, 1.2); (638811.5, 4177422.6, 19.1, 19.1, 1.2);
(638789.6, 4177411.8, 19.2, 19.2, 1.2); (638767.7,

```
4177401.0,      19.2,      19.2,       1.2);
     ( 638745.9, 4177390.2,      19.2,      19.2,       1.2);         ( 638724.0,
4177379.4,      19.1,      19.1,       1.2);
     ( 638953.9, 4177465.1,      18.8,      18.8,       1.2);         ( 638932.0,
4177454.2,      19.0,      19.0,       1.2);
     ( 638910.1, 4177443.4,      19.1,      19.1,       1.2);         ( 638888.2,
4177432.6,      19.2,      19.2,       1.2);
     ( 638866.3, 4177421.8,      19.2,      19.2,       1.2);         ( 638844.5,
4177411.0,      19.3,      19.3,       1.2);
     ( 638822.6, 4177400.2,      19.2,      19.2,       1.2);         ( 638800.7,
4177389.4,      19.2,      19.2,       1.2);
     ( 638778.8, 4177378.6,      19.1,      19.1,       1.2);         ( 638756.9,
4177367.8,      19.2,      19.2,       1.2);
     ( 638735.1, 4177357.0,      19.1,      19.1,       1.2);         ( 638964.9,
4177442.6,      19.0,      19.0,       1.2);
     ( 638943.1, 4177431.8,      19.2,      19.2,       1.2);         ( 638921.2,
4177421.0,      19.2,      19.2,       1.2);
     ( 638899.3, 4177410.2,      19.2,      19.2,       1.2);         ( 638877.4,
4177399.4,      19.3,      19.3,       1.2);
     ( 638855.5, 4177388.6,      19.3,      19.3,       1.2);         ( 638833.7,
4177377.8,      19.3,      19.3,       1.2);
     ( 638811.8, 4177367.0,      19.3,      19.3,       1.2);         ( 638789.9,
4177356.2,      19.1,      19.1,       1.2);
     ( 638768.0, 4177345.4,      19.3,      19.3,       1.2);         ( 638746.1,
4177334.6,      19.2,      19.2,       1.2);
     ( 638976.0, 4177420.2,      19.2,      19.2,       1.2);         ( 638954.1,
4177409.4,      19.3,      19.3,       1.2);
     ( 638932.2, 4177398.6,      19.3,      19.3,       1.2);         ( 638910.4,
4177387.8,      19.3,      19.3,       1.2);
     ( 638888.5, 4177377.0,      19.3,      19.3,       1.2);         ( 638866.6,
4177366.2,      19.3,      19.3,       1.2);
     ( 638844.7, 4177355.4,      19.2,      19.2,       1.2);         ( 638822.8,
4177344.6,      19.3,      19.3,       1.2);
     ( 638801.0, 4177333.8,      19.1,      19.1,       1.2);         ( 638779.1,
4177323.0,      18.9,      18.9,       1.2);
     ( 638757.2, 4177312.1,      19.4,      19.4,       1.2);         ( 638702.6,
4177369.1,      19.1,      19.1,       1.2);
     ( 638681.4, 4177358.8,      19.2,      19.2,       1.2);         ( 638660.2,
4177348.6,      19.3,      19.3,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638639.0, 4177338.4, 19.4, 19.4, 1.2); (638617.8, 4177328.2, 19.5, 19.5, 1.2);
(638596.6, 4177317.9, 19.6, 19.6, 1.2); (638575.4, 4177307.7, 19.9, 19.9, 1.2);
(638554.2, 4177297.5, 20.0, 20.0, 1.2); (638533.0, 4177287.3, 20.1, 20.1, 1.2);
(638713.4, 4177346.5, 19.2, 19.2, 1.2); (638692.2, 4177336.3, 19.0, 19.0, 1.2);
(638671.0, 4177326.1, 19.2, 19.2, 1.2); (638649.8, 4177315.9, 19.5, 19.5, 1.2);
(638628.6, 4177305.6, 19.6, 19.6, 1.2); (638607.4, 4177295.4, 19.8, 19.8, 1.2);
(638586.2, 4177285.2, 20.0, 20.0, 1.2); (638565.0, 4177275.0, 20.1, 20.1, 1.2);
(638543.8, 4177264.8, 20.1, 20.1, 1.2); (638724.3, 4177324.0, 19.2, 19.2, 1.2);
(638703.1, 4177313.8, 19.2, 19.2, 1.2); (638681.9, 4177303.6, 19.4, 19.4, 1.2);
(638660.7, 4177293.3, 19.8, 19.8, 1.2); (638639.5, 4177283.1, 20.0, 20.0, 1.2);
(638618.3, 4177272.9, 20.0, 20.0, 1.2); (638597.1, 4177262.7, 20.3, 20.3, 1.2);
(638575.9, 4177252.5, 20.2, 20.2, 1.2); (638554.7, 4177242.2, 20.4, 20.4, 1.2);
(638735.2, 4177301.5, 19.4, 19.4, 1.2); (638714.0, 4177291.3, 19.4, 19.4, 1.2);
(638692.7, 4177281.1, 19.6, 19.6, 1.2); (638671.5, 4177270.8, 19.8, 19.8, 1.2);
(638650.3, 4177260.6, 20.0, 20.0, 1.2); (638629.1, 4177250.4, 20.2, 20.2, 1.2);
(638607.9, 4177240.2, 20.2, 20.2, 1.2); (638586.7, 4177229.9, 20.2, 20.2, 1.2);
(638565.5, 4177219.7, 20.2, 20.2, 1.2); (638510.9, 4177276.3, 20.0, 20.0, 1.2);
(638488.7, 4177265.3, 19.9, 19.9, 1.2); (638466.4, 4177254.2, 20.0, 20.0, 1.2);
(638444.1, 4177243.2, 20.1, 20.1, 1.2); (638421.8, 4177232.1, 20.2, 20.2, 1.2);
(638399.6, 4177221.1, 20.2, 20.2, 1.2); (638377.3, 4177210.0, 20.3, 20.3, 1.2);
(638522.1, 4177253.9, 20.0, 20.0, 1.2); (638499.8, 4177242.9, 20.0, 20.0, 1.2);
(638477.5, 4177231.8, 20.1, 20.1, 1.2); (638455.2, 4177220.8, 20.1, 20.1, 1.2);
(638433.0, 4177209.8, 20.2, 20.2, 1.2); (638410.7, 4177198.7, 20.2, 20.2, 1.2);
(638388.4, 4177187.7, 20.2, 20.2, 1.2); (638533.2, 4177231.6, 20.1, 20.1, 1.2);
(638510.9, 4177220.5, 20.1, 20.1, 1.2); (638488.6, 4177209.5, 20.3, 20.3, 1.2);
(638466.3, 4177198.4, 20.3, 20.3, 1.2); (638444.1,

```
4177187.4,      20.4,      20.4,       1.2);
     ( 638421.8, 4177176.3,      20.4,      20.4,       1.2);         ( 638399.5,
4177165.3,      20.2,      20.2,       1.2);
     ( 638544.3, 4177209.2,      20.2,      20.2,       1.2);         ( 638522.0,
4177198.1,      20.3,      20.3,       1.2);
     ( 638499.7, 4177187.1,      20.3,      20.3,       1.2);         ( 638477.4,
4177176.0,      20.2,      20.2,       1.2);
     ( 638455.2, 4177165.0,      20.2,      20.2,       1.2);         ( 638432.9,
4177153.9,      20.2,      20.2,       1.2);
     ( 638410.6, 4177142.9,      20.2,      20.2,       1.2);         ( 636319.0,
4176278.4,      21.1,      21.1,       1.2);
     ( 636307.3, 4176300.4,      20.8,      20.8,       1.2);         ( 636295.6,
4176323.8,      20.3,      20.3,       1.2);
     ( 636283.8, 4176345.8,      20.2,      20.2,       1.2);         ( 636304.4,
4176273.2,      20.6,      20.6,       1.2);
     ( 636296.3, 4176295.2,      20.6,      20.6,       1.2);         ( 636281.6,
4176319.4,      20.2,      20.2,       1.2);
     ( 636267.7, 4176337.7,      19.5,      19.5,       1.2);         ( 638522.1,
4177309.8,      19.8,      19.8,       1.2);
     ( 638343.9, 4177221.4,      20.4,      20.4,       1.2);         ( 638056.7,
4177083.7,      21.2,      21.2,       1.2);
     ( 637703.4, 4176902.8,      20.4,      20.4,       1.2);         ( 637321.8,
4176712.7,      20.8,      20.8,       1.2);
     ( 636866.1, 4176483.9,      20.4,      20.4,       1.2);         ( 636327.4,
4176212.2,      21.7,      21.7,       1.2);
     ( 636323.1, 4176252.4,      21.5,      21.5,       1.2);         ( 637151.1,
4176671.3,      20.8,      22.0,       1.2);
     ( 637431.9, 4176809.0,      20.9,      20.9,       1.2);         ( 637877.8,
4177034.8,      20.3,      20.3,       1.2);
     ( 637948.9, 4177069.9,      21.1,      21.1,       1.2);         ( 637948.2,
4177112.6,      20.5,      20.5,       1.2);
     ( 638289.1, 4177285.5,      20.0,      20.0,       1.2);         ( 638352.7,
4177317.6,      19.7,      19.7,       1.2);
     ( 638409.6, 4177295.3,      20.0,      20.0,       1.2);         ( 638496.7,
4177338.0,      19.6,      19.6,       1.2);
     ( 638623.0, 4177402.5,      19.1,      19.1,       1.2);         ( 638746.1,
4177464.3,      19.0,      19.0,       1.2);
     ( 638904.6, 4177541.8,      18.6,      18.6,       1.2);         ( 638992.0,
4177583.4,      18.7,      18.7,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(639106.2, 4177637.9, 18.5, 18.5, 1.2); (639183.3, 4177677.2, 18.2, 18.2, 1.2);
(639308.1, 4177739.6, 17.9, 17.9, 1.2); (639390.7, 4177781.6, 17.6, 17.6, 1.2);
(639455.6, 4177816.5, 17.3, 17.3, 1.2); (639495.8, 4177850.6, 17.2, 17.2, 1.2);
(639516.4, 4177883.6, 17.0, 17.0, 1.2); (639514.9, 4177810.9, 17.7, 17.7, 1.2);
(639304.2, 4177704.8, 18.1, 18.1, 1.2); (639064.6, 4177580.8, 18.6, 18.6, 1.2);
(638931.7, 4177509.9, 18.8, 18.8, 1.2); (638712.9, 4177401.8, 19.3, 19.3, 1.2);
(638707.0, 4177532.3, 18.8, 18.8, 1.2); (638710.8, 4177448.3, 19.2, 19.2, 1.2);
(638438.2, 4177485.9, 18.9, 18.9, 1.2); (638454.1, 4177593.3, 18.8, 18.8, 1.2);
(638479.3, 4177575.1, 18.6, 18.6, 1.2); (638510.5, 4177557.3, 18.5, 18.5, 1.2);
(638544.3, 4177546.8, 18.4, 18.4, 1.2); (638587.9, 4177538.5, 18.4, 18.4, 1.2);
(638638.5, 4177531.9, 18.5, 18.5, 1.2); (638499.8, 4177298.7, 19.9, 19.9, 1.2);
(638477.6, 4177287.7, 19.9, 19.9, 1.2); (638455.3, 4177276.6, 20.0, 20.0, 1.2);
(638433.0, 4177265.6, 20.1, 20.1, 1.2); (638410.7, 4177254.5, 20.2, 20.2, 1.2);
(638388.5, 4177243.5, 20.3, 20.3, 1.2); (638366.2, 4177232.4, 20.3, 20.3, 1.2);
(638321.8, 4177210.8, 20.4, 20.4, 1.2); (638299.7, 4177200.2, 20.5, 20.5, 1.2);
(638277.6, 4177189.6, 20.6, 20.6, 1.2); (638255.5, 4177179.0, 20.7, 20.7, 1.2);
(638233.5, 4177168.4, 20.8, 20.8, 1.2); (638211.4, 4177157.8, 20.8, 20.8, 1.2);
(638189.3, 4177147.2, 20.9, 20.9, 1.2); (638167.2, 4177136.7, 20.9, 20.9, 1.2);
(638145.1, 4177126.1, 20.9, 20.9, 1.2); (638123.0, 4177115.5, 21.0, 21.0, 1.2);
(638100.9, 4177104.9, 21.0, 21.0, 1.2); (638078.8, 4177094.3, 21.1, 21.1, 1.2);
(638034.7, 4177072.4, 21.2, 21.2, 1.2); (638012.6, 4177061.1, 21.2, 21.2, 1.2);
(637990.5, 4177049.8, 21.2, 21.2, 1.2); (637968.4, 4177038.5, 21.3, 21.3, 1.2);
(637946.3, 4177027.2, 21.7, 21.7, 1.2); (637924.2, 4177015.9, 21.8, 21.8, 1.2);
(637902.1, 4177004.6, 20.9, 20.9, 1.2); (637880.0, 4176993.3, 20.8, 20.8, 1.2);
(637858.0, 4176982.0, 20.9, 20.9, 1.2); (637835.9, 4176970.7, 20.7, 20.7, 1.2);
(637813.8, 4176959.4, 20.6, 20.6, 1.2); (637791.7,

```
4176948.1,      20.6,      20.6,       1.2);
     ( 637769.6, 4176936.8,      20.6,      20.6,       1.2);         ( 637747.5,
4176925.5,      20.5,      20.5,       1.2);
     ( 637725.4, 4176914.2,      20.4,      20.4,       1.2);         ( 637682.2,
4176892.3,      20.4,      20.4,       1.2);
     ( 637661.0, 4176881.7,      20.4,      20.4,       1.2);         ( 637639.8,
4176871.2,      20.4,      20.4,       1.2);
     ( 637618.6, 4176860.6,      20.4,      20.4,       1.2);         ( 637597.4,
4176850.0,      20.5,      20.5,       1.2);
     ( 637576.2, 4176839.5,      20.6,      20.6,       1.2);         ( 637555.0,
4176828.9,      20.7,      20.7,       1.2);
     ( 637533.8, 4176818.3,      20.8,      20.8,       1.2);         ( 637512.6,
4176807.8,      20.9,      20.9,       1.2);
     ( 637491.4, 4176797.2,      21.0,      21.0,       1.2);         ( 637470.2,
4176786.6,      21.1,      21.1,       1.2);
     ( 637449.0, 4176776.1,      21.3,      21.3,       1.2);         ( 637427.8,
4176765.5,      21.4,      21.4,       1.2);
     ( 637406.6, 4176754.9,      21.6,      21.6,       1.2);         ( 637385.4,
4176744.4,      21.4,      21.4,       1.2);
     ( 637364.2, 4176733.8,      21.2,      21.2,       1.2);         ( 637343.0,
4176723.3,      20.9,      20.9,       1.2);
     ( 637300.1, 4176701.8,      20.8,      20.8,       1.2);         ( 637278.4,
4176690.9,      20.8,      20.8,       1.2);
     ( 637256.7, 4176680.0,      20.8,      20.8,       1.2);         ( 637235.0,
4176669.1,      20.8,      20.8,       1.2);
     ( 637213.3, 4176658.2,      20.5,      22.3,       1.2);         ( 637191.6,
4176647.3,      22.4,      22.4,       1.2);
     ( 637169.9, 4176636.4,      21.5,      21.5,       1.2);         ( 637148.2,
4176625.5,      20.9,      20.9,       1.2);
     ( 637126.5, 4176614.6,      20.6,      20.6,       1.2);         ( 637104.8,
4176603.7,      20.2,      20.2,       1.2);
     ( 637083.1, 4176592.8,      20.2,      20.2,       1.2);         ( 637061.4,
4176581.9,      20.3,      20.3,       1.2);
     ( 637039.7, 4176571.0,      20.3,      20.3,       1.2);         ( 637018.0,
4176560.1,      20.4,      20.4,       1.2);
     ( 636996.3, 4176549.3,      20.4,      20.4,       1.2);         ( 636974.6,
4176538.4,      20.5,      20.5,       1.2);
     ( 636952.9, 4176527.5,      20.4,      20.4,       1.2);         ( 636931.2,
4176516.6,      20.4,      20.4,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(636909.5, 4176505.7, 20.4, 20.4, 1.2); (636887.8, 4176494.8, 20.4, 20.4, 1.2);
(636844.5, 4176473.0, 20.4, 20.4, 1.2); (636823.0, 4176462.1, 20.5, 20.5, 1.2);
(636801.4, 4176451.3, 20.5, 20.5, 1.2); (636779.9, 4176440.4, 20.5, 20.5, 1.2);
(636758.3, 4176429.5, 20.6, 20.6, 1.2); (636736.8, 4176418.7, 20.5, 20.5, 1.2);
(636715.2, 4176407.8, 20.6, 20.6, 1.2); (636693.7, 4176397.0, 20.5, 20.5, 1.2);
(636672.1, 4176386.1, 20.5, 20.5, 1.2); (636650.6, 4176375.2, 20.5, 20.5, 1.2);
(636629.0, 4176364.4, 20.5, 20.5, 1.2); (636607.5, 4176353.5, 20.5, 20.5, 1.2);
(636585.9, 4176342.6, 20.5, 20.5, 1.2); (636564.4, 4176331.8, 20.5, 20.5, 1.2);
(636542.9, 4176320.9, 20.6, 20.6, 1.2); (636521.3, 4176310.0, 20.6, 20.6, 1.2);
(636499.8, 4176299.2, 20.6, 20.6, 1.2); (636478.2, 4176288.3, 20.6, 20.6, 1.2);
(636456.7, 4176277.4, 20.7, 20.7, 1.2); (636435.1, 4176266.6, 20.7, 20.7, 1.2);
(636413.6, 4176255.7, 20.8, 20.8, 1.2); (636392.0, 4176244.8, 20.8, 20.8, 1.2);
(636370.5, 4176234.0, 20.9, 20.9, 1.2); (636348.9, 4176223.1, 21.5, 21.5, 1.2);
(636325.2, 4176232.3, 21.8, 21.8, 1.2); (636344.9, 4176263.5, 21.3, 21.3, 1.2);
(636366.6, 4176274.5, 20.7, 20.7, 1.2); (636388.4, 4176285.5, 20.5, 20.5, 1.2);
(636410.2, 4176296.5, 20.5, 20.5, 1.2); (636432.0, 4176307.5, 20.4, 20.4, 1.2);
(636453.8, 4176318.6, 20.4, 20.4, 1.2); (636475.6, 4176329.6, 20.3, 20.3, 1.2);
(636497.4, 4176340.6, 20.4, 20.4, 1.2); (636519.2, 4176351.6, 20.4, 20.4, 1.2);
(636541.0, 4176362.7, 20.4, 20.4, 1.2); (636562.8, 4176373.7, 20.3, 20.3, 1.2);
(636584.6, 4176384.7, 20.4, 20.4, 1.2); (636606.3, 4176395.7, 20.4, 20.4, 1.2);
(636628.1, 4176406.8, 20.4, 20.4, 1.2); (636649.9, 4176417.8, 20.3, 20.3, 1.2);
(636671.7, 4176428.8, 20.4, 20.4, 1.2); (636693.5, 4176439.8, 20.3, 20.3, 1.2);
(636715.3, 4176450.9, 20.2, 20.2, 1.2); (636737.1, 4176461.9, 20.1, 20.1, 1.2);
(636758.9, 4176472.9, 19.9, 19.9, 1.2); (636780.7, 4176483.9, 19.9, 19.9, 1.2);
(636802.5, 4176494.9, 20.2, 20.2, 1.2); (636824.2, 4176506.0, 20.1, 20.1, 1.2);
(636846.0, 4176517.0, 20.1, 20.1, 1.2); (636867.8,

```
4176528.0,      20.2,      20.2,       1.2);
     ( 636889.6, 4176539.0,      20.2,      20.2,       1.2);         ( 636911.4,
4176550.1,      20.2,      20.2,       1.2);
     ( 636933.2, 4176561.1,      20.2,      20.2,       1.2);         ( 636955.0,
4176572.1,      20.3,      20.3,       1.2);
     ( 636976.8, 4176583.1,      20.2,      20.2,       1.2);         ( 636998.6,
4176594.2,      20.6,      20.6,       1.2);
     ( 637020.4, 4176605.2,      20.8,      20.8,       1.2);         ( 637042.2,
4176616.2,      20.6,      20.6,       1.2);
     ( 637064.0, 4176627.2,      20.7,      20.7,       1.2);         ( 637085.8,
4176638.2,      20.6,      20.6,       1.2);
     ( 637107.5, 4176649.3,      20.6,      20.6,       1.2);         ( 637129.3,
4176660.3,      20.7,      20.7,       1.2);
     ( 637172.7, 4176681.9,      22.2,      22.2,       1.2);         ( 637194.3,
4176692.5,      19.6,      22.4,       1.2);
     ( 637215.9, 4176703.1,      20.1,      20.1,       1.2);         ( 637237.5,
4176713.7,      20.4,      20.4,       1.2);
     ( 637259.1, 4176724.3,      20.6,      20.6,       1.2);         ( 637280.7,
4176734.9,      21.2,      21.2,       1.2);
     ( 637302.3, 4176745.4,      21.3,      21.3,       1.2);         ( 637323.9,
4176756.0,      21.3,      21.3,       1.2);
     ( 637345.5, 4176766.6,      20.7,      20.7,       1.2);         ( 637367.1,
4176777.2,      20.8,      20.8,       1.2);
     ( 637388.7, 4176787.8,      20.8,      20.8,       1.2);         ( 637410.3,
4176798.4,      20.9,      20.9,       1.2);
     ( 637454.2, 4176820.3,      20.8,      20.8,       1.2);         ( 637476.5,
4176831.6,      20.9,      20.9,       1.2);
     ( 637498.8, 4176842.9,      20.7,      20.7,       1.2);         ( 637521.1,
4176854.2,      20.6,      20.6,       1.2);
     ( 637543.4, 4176865.5,      20.6,      20.6,       1.2);         ( 637565.7,
4176876.8,      20.5,      20.5,       1.2);
     ( 637588.0, 4176888.0,      20.6,      20.6,       1.2);         ( 637610.3,
4176899.3,      20.6,      20.6,       1.2);
     ( 637632.6, 4176910.6,      20.4,      20.4,       1.2);         ( 637654.9,
4176921.9,      20.4,      20.4,       1.2);
     ( 637677.2, 4176933.2,      20.3,      20.3,       1.2);         ( 637699.5,
4176944.5,      20.4,      20.4,       1.2);
     ( 637721.8, 4176955.8,      20.4,      20.4,       1.2);         ( 637744.1,
4176967.1,      20.3,      20.3,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637766.3, 4176978.4, 20.4, 20.4, 1.2); (637788.6, 4176989.7, 20.4, 20.4, 1.2);
(637810.9, 4177001.0, 20.4, 20.4, 1.2); (637833.2, 4177012.3, 20.4, 20.4, 1.2);
(637855.5, 4177023.5, 20.4, 20.4, 1.2); (637895.6, 4177043.6, 20.4, 20.4, 1.2);
(637913.4, 4177052.4, 20.9, 20.9, 1.2); (637931.1, 4177061.1, 21.7, 21.7, 1.2);
(637948.6, 4177091.2, 20.7, 20.7, 1.2); (637969.5, 4177123.4, 20.1, 20.1, 1.2);
(637990.8, 4177134.2, 20.0, 20.0, 1.2); (638012.1, 4177145.0, 20.0, 20.0, 1.2);
(638033.4, 4177155.8, 20.1, 20.1, 1.2); (638054.7, 4177166.6, 20.1, 20.1, 1.2);
(638076.0, 4177177.5, 20.1, 20.1, 1.2); (638097.3, 4177188.3, 20.1, 20.1, 1.2);
(638118.6, 4177199.1, 20.1, 20.1, 1.2); (638139.9, 4177209.9, 20.1, 20.1, 1.2);
(638161.2, 4177220.7, 20.0, 20.0, 1.2); (638182.5, 4177231.5, 20.1, 20.1, 1.2);
(638203.9, 4177242.3, 20.1, 20.1, 1.2); (638225.2, 4177253.1, 20.1, 20.1, 1.2);
(638246.5, 4177263.9, 20.1, 20.1, 1.2); (638267.8, 4177274.7, 20.0, 20.0, 1.2);
(638310.3, 4177296.2, 20.0, 20.0, 1.2); (638331.5, 4177306.9, 20.0, 20.0, 1.2);
(638371.7, 4177310.2, 19.6, 19.6, 1.2); (638390.6, 4177302.8, 19.8, 19.8, 1.2);
(638431.3, 4177306.0, 19.9, 19.9, 1.2); (638453.1, 4177316.7, 19.9, 19.9, 1.2);
(638474.9, 4177327.3, 19.8, 19.8, 1.2); (638517.7, 4177348.8, 19.4, 19.4, 1.2);
(638538.8, 4177359.5, 19.4, 19.4, 1.2); (638559.9, 4177370.3, 19.3, 19.3, 1.2);
(638580.9, 4177381.0, 19.2, 19.2, 1.2); (638602.0, 4177391.8, 19.1, 19.1, 1.2);
(638643.5, 4177412.8, 19.0, 19.0, 1.2); (638664.0, 4177423.1, 19.1, 19.1, 1.2);
(638684.6, 4177433.4, 19.1, 19.1, 1.2); (638705.1, 4177443.7, 19.1, 19.1, 1.2);
(638725.6, 4177454.0, 19.3, 19.3, 1.2); (638765.9, 4177474.0, 18.8, 18.8, 1.2);
(638785.7, 4177483.7, 18.8, 18.8, 1.2); (638805.5, 4177493.3, 18.6, 18.6, 1.2);
(638825.3, 4177503.0, 18.7, 18.7, 1.2); (638845.1, 4177512.8, 18.7, 18.7, 1.2);
(638864.9, 4177522.4, 18.7, 18.7, 1.2); (638884.8, 4177532.1, 18.7, 18.7, 1.2);
(638926.4, 4177552.2, 18.6, 18.6, 1.2); (638948.3, 4177562.6, 18.6, 18.6, 1.2);
(638970.1, 4177573.0, 18.7, 18.7, 1.2); (639011.0,

```
4177592.5,      18.6,      18.6,       1.2);
     ( 639030.1, 4177601.5,      18.6,      18.6,       1.2);         ( 639049.1,
4177610.6,      18.6,      18.6,       1.2);
     ( 639068.1, 4177619.7,      18.5,      18.5,       1.2);         ( 639087.2,
4177628.8,      18.5,      18.5,       1.2);
     ( 639125.5, 4177647.7,      18.4,      18.4,       1.2);         ( 639144.8,
4177657.5,      18.3,      18.3,       1.2);
     ( 639164.1, 4177667.4,      18.3,      18.3,       1.2);         ( 639204.1,
4177687.6,      18.2,      18.2,       1.2);
     ( 639224.9, 4177698.0,      18.1,      18.1,       1.2);         ( 639245.7,
4177708.4,      18.1,      18.1,       1.2);
     ( 639266.5, 4177718.8,      18.0,      18.0,       1.2);         ( 639287.3,
4177729.2,      17.9,      17.9,       1.2);
     ( 639328.7, 4177750.1,      17.8,      17.8,       1.2);         ( 639349.4,
4177760.6,      17.7,      17.7,       1.2);
     ( 639370.1, 4177771.1,      17.6,      17.6,       1.2);         ( 639412.3,
4177793.2,      17.5,      17.5,       1.2);
     ( 639434.0, 4177804.9,      17.3,      17.3,       1.2);         ( 639469.0,
4177827.9,      17.1,      17.1,       1.2);
     ( 639482.4, 4177839.2,      17.0,      17.0,       1.2);         ( 639506.1,
4177867.1,      17.1,      17.1,       1.2);
     ( 639515.9, 4177859.4,      17.4,      17.4,       1.2);         ( 639515.4,
4177835.1,      17.7,      17.7,       1.2);
     ( 639493.8, 4177800.3,      17.7,      17.7,       1.2);         ( 639472.8,
4177789.7,      17.6,      17.6,       1.2);
     ( 639451.7, 4177779.1,      17.4,      17.4,       1.2);         ( 639430.6,
4177768.5,      17.8,      17.8,       1.2);
     ( 639409.5, 4177757.8,      17.8,      17.8,       1.2);         ( 639388.5,
4177747.2,      17.9,      17.9,       1.2);
     ( 639367.4, 4177736.6,      17.9,      17.9,       1.2);         ( 639346.3,
4177726.0,      17.9,      17.9,       1.2);
     ( 639325.2, 4177715.4,      18.1,      18.1,       1.2);         ( 639282.4,
4177693.5,      18.1,      18.1,       1.2);
     ( 639260.6, 4177682.2,      18.1,      18.1,       1.2);         ( 639238.8,
4177671.0,      18.2,      18.2,       1.2);
     ( 639217.1, 4177659.7,      18.3,      18.3,       1.2);         ( 639195.3,
4177648.4,      18.4,      18.4,       1.2);
     ( 639173.5, 4177637.1,      18.4,      18.4,       1.2);         ( 639151.7,
4177625.9,      18.4,      18.4,       1.2);
```

*** MODELOPTs: NonDFAULT CONC ELEV FLGPOL FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(639130.0, 4177614.6, 18.5, 18.5, 1.2); (639108.2, 4177603.3, 18.5, 18.5, 1.2);
(639086.4, 4177592.0, 18.6, 18.6, 1.2); (639045.6, 4177570.6, 18.6, 18.6, 1.2);
(639026.7, 4177560.5, 18.5, 18.5, 1.2); (639007.7, 4177550.4, 18.6, 18.6, 1.2);
(638988.7, 4177540.3, 18.7, 18.7, 1.2); (638969.7, 4177530.1, 18.8, 18.8, 1.2);
(638950.7, 4177520.0, 18.7, 18.7, 1.2); (638909.8, 4177499.1, 18.8, 18.8, 1.2);
(638888.0, 4177488.3, 18.8, 18.8, 1.2); (638866.1, 4177477.5, 18.9, 18.9, 1.2);
(638844.2, 4177466.7, 18.9, 18.9, 1.2); (638822.3, 4177455.8, 19.0, 19.0, 1.2);
(638800.4, 4177445.0, 19.1, 19.1, 1.2); (638778.6, 4177434.2, 19.2, 19.2, 1.2);
(638756.7, 4177423.4, 19.2, 19.2, 1.2); (638734.8, 4177412.6, 19.3, 19.3, 1.2);
(638691.7, 4177391.6, 19.4, 19.4, 1.2); (638670.5, 4177381.4, 19.4, 19.4, 1.2);
(638649.3, 4177371.1, 19.3, 19.3, 1.2); (638628.1, 4177360.9, 19.3, 19.3, 1.2);
(638606.9, 4177350.7, 19.4, 19.4, 1.2); (638585.7, 4177340.5, 19.4, 19.4, 1.2);
(638564.5, 4177330.2, 19.6, 19.6, 1.2); (638543.3, 4177320.0, 19.7, 19.7, 1.2);

```
 *** MODELOPTs:    NonDFAULT  CONC  ELEV  FLGPOL  FASTAREA  URBAN  ADJ_U*

                                            *** METEOROLOGICAL DAYS SELECTED FOR
PROCESSING ***
                                                               (1=YES; 0=NO)

            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1

                NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS
INCLUDED IN THE DATA FILE.



                                  *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED
CATEGORIES ***
                                                            (METERS/SEC)

                                                 1.54,   3.09,   5.14,   8.23,  10.80,
```

 *** MODELOPTs:

 *** Message Summary : AERMOD Model Execution ***

  --------- Summary of Total Messages --------

 A Total of   0 Fatal Error Message(s)
 A Total of   1 Warning Message(s)
 A Total of   0 Informational Message(s)

    ******** FATAL ERROR MESSAGES ********
               *** NONE ***

    ********   WARNING MESSAGES   ********
 ME W187   136   MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

    ****
    *** AERMOD Finishes Successfully ***
    ****

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.9.0
** Lakes Environmental Software Inc.
** Date: 7/22/2020
** File: C:\Lakes\AERMOD View\Tracy Alt CO\Tracy Alt CO.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE Valley Link CO Tracy Alternative
   TITLETWO Tier 4 Mitigation Construction
   MODELOPT CONC FASTAREA
   AVERTIME 1 8
   URBANOPT 91812 Tracy,_CA
   POLLUTID CO
   RUNORNOT NOT
   ERRORFIL "Tracy Alt CO.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION TRACK22      AREAPOLY   638522.103  4177309.794       19.770
** DESCRSRC Track Segment
   LOCATION STNALT23     AREAPOLY   638926.451  4177432.079       19.170
** DESCRSRC Station Alternative
** Source Parameters **
   SRCPARAM TRACK22      5.2455E-07     3.000        33     0.700
   AREAVERT TRACK22      638522.103 4177309.794 638343.901 4177221.399
   AREAVERT TRACK22      638056.738 4177083.691 637703.350 4176902.854
   AREAVERT TRACK22      637321.818 4176712.694 636866.053 4176483.885
   AREAVERT TRACK22      636327.379 4176212.231 636323.054 4176252.436
   AREAVERT TRACK22      637151.119 4176671.325 637431.890 4176808.993
   AREAVERT TRACK22      637877.830 4177034.843 637948.893 4177069.885
   AREAVERT TRACK22      637948.207 4177112.612 638289.058 4177285.531
   AREAVERT TRACK22      638352.729 4177317.618 638409.552 4177295.332
   AREAVERT TRACK22      638496.675 4177338.005 638623.016 4177402.510
   AREAVERT TRACK22      638746.092 4177464.261 638904.557 4177541.844
   AREAVERT TRACK22      638991.989 4177583.390 639106.217 4177637.877
   AREAVERT TRACK22      639183.334 4177677.215 639308.090 4177739.591
   AREAVERT TRACK22      639390.702 4177781.567 639455.628 4177816.509
   AREAVERT TRACK22      639495.758 4177850.609 639516.384 4177883.608
   AREAVERT TRACK22      639514.901 4177810.898 639304.156 4177704.800
   AREAVERT TRACK22      639064.632 4177580.774 638931.713 4177509.892
   AREAVERT TRACK22      638712.912 4177401.804
   SRCPARAM STNALT23     2.5607E-06     3.000        16     0.700
   AREAVERT STNALT23     638926.451 4177432.079 638921.459 4177362.196
   AREAVERT STNALT23     638922.491 4177320.004 638924.196 4177250.605
   AREAVERT STNALT23     638893.399 4177259.693 638872.509 4177311.142
```

```
   AREAVERT STNALT23     638851.128 4177344.392 638836.953 4177362.991
   AREAVERT STNALT23     638820.388 4177370.513 638781.487 4177376.980
   AREAVERT STNALT23     638750.794 4177376.407 638717.945 4177376.517
   AREAVERT STNALT23     638717.271 4177401.213 639008.790 4177549.467
   AREAVERT STNALT23     638960.429 4177503.749 638931.190 4177448.482
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Seven Days (HRDOW7)"
** Variable Emission Scenario: "Construction"
   EMISFACT TRACK22      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK22      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK22      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK22      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK22      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK22      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK22      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK22      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK22      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK22      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK22      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK22      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK22      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK22      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK22      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK22      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK22      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK22      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT TRACK22      HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT TRACK22      HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT TRACK22      HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STNALT23     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STNALT23     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STNALT23     HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STNALT23     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STNALT23     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STNALT23     HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STNALT23     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STNALT23     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STNALT23     HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STNALT23     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STNALT23     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STNALT23     HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STNALT23     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STNALT23     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STNALT23     HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STNALT23     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STNALT23     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STNALT23     HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STNALT23     HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT STNALT23     HRDOW7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STNALT23     HRDOW7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
**********************************
** AERMOD Receptor Pathway
**********************************
**
**
RE STARTING
   INCLUDED "Tracy Alt CO.rou"
RE FINISHED
**
```

```
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE "C:\Users\19098\Desktop\Local Emissions Analysis\Tracy_2004-2008.SFC"
   PROFFILE "C:\Users\19098\Desktop\Local Emissions Analysis\Tracy_2004-2008.PFL"
   SURFDATA 99008 2004
   UAIRDATA 66666 2004
   PROFBASE 158.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "TRACY ALT CO.AD\01H1GALL.PLT" 31
   PLOTFILE 8 ALL 1ST "TRACY ALT CO.AD\08H1GALL.PLT" 32
   SUMMFILE "Tracy Alt CO.sum"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W187     138       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

 *********************************
 *** SETUP Finishes Successfully ***
 *********************************
```

```
 *** AERMOD - VERSION  19191 ***   *** Valley Link CO Tracy Alternative
***        07/22/20
 *** AERMET - VERSION  18081 ***   *** Tier 4 Mitigation Construction
***        02:36:08

PAGE   1
 *** MODELOPTs:    NonDFAULT  CONC  ELEV  FASTAREA  URBAN  ADJ_U*

                                            ***     MODEL SETUP OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for     2 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =     91812.0 ;  Urban Roughness Length =  1.000 m

 **Model Allows User-Specified Options:
         1. Stack-tip Downwash.
         2. Model Accounts for ELEVated Terrain Effects.
         3. Use Calms Processing Routine.
         4. Use Missing Data Processing Routine.
         5. No Exponential Decay.
         6. Urban Roughness Length of 1.0 Meter Used.

 **Other Options Specified:
         FASTAREA - Use hybrid approach to optimize AREA sources;
                    also applies to LINE sources (formerly TOXICS option)
         ADJ_U*   - Use ADJ_U* option for SBL in AERMET
         CCVR_Sub - Meteorological data includes CCVR substitutions
         TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Assumes No FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  CO

 **Model Calculates  2 Short Term Average(s) of:   1-HR   8-HR

 **This Run Includes:      2 Source(s);       1 Source Group(s); and    2957 Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:      0 VOLUME source(s)
                 and:      2 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with      0 line(s)


 **Model Will NOT Run After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  18081

 **Output Options Selected:
          Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
```

Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 158.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.9 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: Tracy Alt CO.err
**File for Summary of Results: Tracy Alt CO.sum

 *** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
TRACK22	0	0.52455E-06	638522.1	4177309.8	19.8	3.00	33	0.70	YES	HRDOW7
STNALT23	0	0.25607E-05	638926.5	4177432.1	19.2	3.00	16	0.70	YES	HRDOW7

 *** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	TRACK22 , STNALT23 ,

 *** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	91812.	TRACK22 , STNALT23 ,

 *** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

 SOURCE ID = TRACK22   ; SOURCE TYPE = AREAPOLY :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

DAY OF WEEK = MONDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = TUESDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = WEDNESDY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = THURSDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = FRIDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .1000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01

17 .1000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = STNALT23 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = MONDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = TUESDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = WEDNESDY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = THURSDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = FRIDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01										

17 .1000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638946.5, 4177362.8, 19.3, 19.3, 0.0); (638947.5, 4177320.6, 19.4, 19.4, 0.0);
(638971.4, 4177363.4, 19.4, 19.4, 0.0); (638972.5, 4177321.2, 19.3, 19.3, 0.0);
(638996.4, 4177364.0, 19.4, 19.4, 0.0); (638997.5, 4177321.8, 19.4, 19.4, 0.0);
(639021.4, 4177364.6, 19.4, 19.4, 0.0); (639022.5, 4177322.4, 19.5, 19.5, 0.0);
(638948.1, 4177297.5, 19.4, 19.4, 0.0); (638948.6, 4177274.3, 19.5, 19.5, 0.0);
(638949.2, 4177251.2, 19.6, 19.6, 0.0); (638973.0, 4177298.1, 19.4, 19.4, 0.0);
(638973.6, 4177275.0, 19.6, 19.6, 0.0); (638974.2, 4177251.8, 19.7, 19.7, 0.0);
(638998.0, 4177298.7, 19.5, 19.5, 0.0); (638998.6, 4177275.6, 19.6, 19.6, 0.0);
(638999.2, 4177252.4, 19.7, 19.7, 0.0); (639023.0, 4177299.3, 19.6, 19.6, 0.0);
(639023.6, 4177276.2, 19.6, 19.6, 0.0); (639024.2, 4177253.1, 19.5, 19.5, 0.0);
(638928.3, 4177228.7, 19.8, 19.8, 0.0); (638901.7, 4177231.2, 19.7, 19.7, 0.0);
(638924.9, 4177205.4, 19.8, 19.8, 0.0); (638961.1, 4177224.6, 19.8, 19.8, 0.0);
(638894.7, 4177207.2, 19.7, 19.7, 0.0); (638916.3, 4177181.2, 20.0, 20.0, 0.0);
(638943.1, 4177186.1, 20.0, 20.0, 0.0); (638975.7, 4177203.4, 19.9, 19.9, 0.0);
(638987.4, 4177227.9, 19.8, 19.8, 0.0); (638887.6, 4177183.2, 19.9, 19.9, 0.0);
(638910.8, 4177157.4, 20.1, 20.1, 0.0); (638940.5, 4177163.0, 20.1, 20.1, 0.0);
(638970.2, 4177168.5, 20.2, 20.2, 0.0); (638991.6, 4177184.9, 19.9, 19.9, 0.0);
(639004.6, 4177212.2, 19.8, 19.8, 0.0); (638880.5, 4177159.2, 20.2, 20.2, 0.0);
(638878.3, 4177243.0, 19.6, 19.6, 0.0); (638863.3, 4177267.4, 19.5, 19.5, 0.0);
(638849.4, 4177301.7, 19.3, 19.3, 0.0); (638857.8, 4177231.2, 19.7, 19.7, 0.0);
(638840.1, 4177258.0, 19.5, 19.5, 0.0); (638826.2, 4177292.3, 19.4, 19.4, 0.0);
(638836.0, 4177220.5, 19.6, 19.6, 0.0); (638860.1, 4177198.7, 19.8, 19.8, 0.0);
(638816.9, 4177248.6, 19.5, 19.5, 0.0); (638803.0, 4177282.9, 19.4, 19.4, 0.0);
(638813.6, 4177210.4, 19.7, 19.7, 0.0); (638839.4, 4177187.1, 19.6, 19.6, 0.0);
(638793.8, 4177239.2, 19.5, 19.5, 0.0); (638779.9, 4177273.5, 19.4, 19.4, 0.0);
(638830.1, 4177330.9, 19.3, 19.3, 0.0); (638809.1,

```
4177317.3,      19.2,      19.2,       0.0);
     ( 638788.0, 4177303.8,      19.2,      19.2,       0.0);         ( 638757.4,
4177302.4,      19.4,      19.4,       0.0);
     ( 638810.1, 4177347.8,      19.2,      19.2,       0.0);         ( 638777.4,
4177352.3,      19.2,      19.2,       0.0);
     ( 638773.3, 4177327.7,      18.9,      18.9,       0.0);         ( 638751.3,
4177351.4,      19.2,      19.2,       0.0);
     ( 638752.7, 4177276.4,      19.4,      19.4,       0.0);         ( 638717.9,
4177351.5,      19.2,      19.2,       0.0);
     ( 638750.6, 4177326.4,      19.2,      19.2,       0.0);         ( 638717.8,
4177326.5,      19.2,      19.2,       0.0);
     ( 638734.1, 4177301.5,      19.4,      19.4,       0.0);         ( 638717.6,
4177276.5,      19.4,      19.4,       0.0);
     ( 638693.0, 4177375.8,      19.1,      19.1,       0.0);         ( 638675.5,
4177357.9,      19.3,      19.3,       0.0);
     ( 638650.5, 4177357.3,      19.2,      19.2,       0.0);         ( 638682.9,
4177315.7,      19.2,      19.2,       0.0);
     ( 638625.5, 4177356.6,      19.3,      19.3,       0.0);         ( 638640.6,
4177322.2,      19.4,      19.4,       0.0);
     ( 638665.5, 4177297.8,      19.8,      19.8,       0.0);         ( 638684.5,
4177436.3,      19.1,      19.1,       0.0);
     ( 638715.4, 4177456.4,      19.2,      19.2,       0.0);         ( 638736.2,
4177467.0,      19.1,      19.1,       0.0);
     ( 638757.1, 4177477.5,      18.8,      18.8,       0.0);         ( 638777.9,
4177488.1,      18.8,      18.8,       0.0);
     ( 638798.7, 4177498.7,      18.6,      18.6,       0.0);         ( 638819.5,
4177509.3,      18.6,      18.6,       0.0);
     ( 638840.4, 4177519.9,      18.5,      18.5,       0.0);         ( 638861.2,
4177530.5,      18.5,      18.5,       0.0);
     ( 638882.0, 4177541.1,      18.5,      18.5,       0.0);         ( 638902.8,
4177551.7,      18.5,      18.5,       0.0);
     ( 638923.7, 4177562.3,      18.4,      18.4,       0.0);         ( 638944.5,
4177572.9,      18.5,      18.5,       0.0);
     ( 638965.3, 4177583.4,      18.6,      18.6,       0.0);         ( 638986.1,
4177594.0,      18.5,      18.5,       0.0);
     ( 638668.0, 4177453.8,      18.9,      18.9,       0.0);         ( 638704.1,
4177478.6,      18.8,      18.8,       0.0);
     ( 638724.9, 4177489.2,      19.1,      19.1,       0.0);         ( 638745.7,
4177499.8,      19.1,      19.1,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638766.6, 4177510.4, 19.1, 19.1, 0.0); (638787.4, 4177521.0, 18.9, 18.9, 0.0);
(638808.2, 4177531.6, 18.7, 18.7, 0.0); (638829.0, 4177542.2, 18.3, 18.3, 0.0);
(638849.9, 4177552.8, 18.2, 18.2, 0.0); (638870.7, 4177563.4, 18.2, 18.2, 0.0);
(638891.5, 4177574.0, 18.1, 18.1, 0.0); (638912.3, 4177584.5, 18.0, 18.0, 0.0);
(638933.2, 4177595.1, 17.9, 17.9, 0.0); (638954.0, 4177605.7, 17.8, 17.8, 0.0);
(638974.8, 4177616.3, 17.8, 17.8, 0.0); (638658.4, 4177477.7, 18.6, 18.6, 0.0);
(638626.7, 4177434.4, 18.8, 18.8, 0.0); (638692.8, 4177500.9, 18.7, 18.7, 0.0);
(638713.6, 4177511.5, 19.0, 19.0, 0.0); (638734.4, 4177522.1, 18.9, 18.9, 0.0);
(638755.2, 4177532.7, 18.7, 18.7, 0.0); (638776.1, 4177543.3, 18.5, 18.5, 0.0);
(638796.9, 4177553.9, 18.4, 18.4, 0.0); (638817.7, 4177564.5, 18.1, 18.1, 0.0);
(638838.5, 4177575.1, 18.0, 18.0, 0.0); (638859.4, 4177585.6, 18.0, 18.0, 0.0);
(638880.2, 4177596.2, 17.9, 17.9, 0.0); (638901.0, 4177606.8, 17.9, 17.9, 0.0);
(638921.8, 4177617.4, 17.9, 17.9, 0.0); (638942.6, 4177628.0, 17.8, 17.8, 0.0);
(638963.5, 4177638.6, 17.7, 17.7, 0.0); (639027.6, 4177547.6, 18.6, 18.6, 0.0);
(639009.8, 4177516.1, 18.7, 18.7, 0.0); (638977.6, 4177485.6, 18.8, 18.8, 0.0);
(639043.1, 4177513.1, 18.6, 18.6, 0.0); (639010.9, 4177482.6, 18.7, 18.7, 0.0);
(639064.2, 4177534.0, 18.6, 18.6, 0.0); (639068.1, 4177573.1, 18.5, 18.5, 0.0);
(639012.9, 4177606.9, 18.2, 18.2, 0.0); (639060.3, 4177495.0, 18.6, 18.6, 0.0);
(639028.1, 4177464.5, 18.8, 18.8, 0.0); (639088.4, 4177585.4, 18.5, 18.5, 0.0);
(639077.5, 4177476.8, 18.8, 18.8, 0.0); (639045.2, 4177446.3, 19.0, 19.0, 0.0);
(638963.0, 4177455.2, 18.9, 18.9, 0.0); (638994.9, 4177461.9, 18.8, 18.8, 0.0);
(638975.4, 4177425.1, 19.3, 19.3, 0.0); (639007.2, 4177431.8, 19.2, 19.2, 0.0);
(639029.3, 4177420.1, 19.4, 19.4, 0.0); (638950.5, 4177425.1, 19.2, 19.2, 0.0);
(638999.6, 4177403.4, 19.2, 19.2, 0.0); (638522.1, 4177309.8, 19.8, 19.8, 0.0);
(638343.9, 4177221.4, 20.4, 20.4, 0.0); (638056.7, 4177083.7, 21.2, 21.2, 0.0);
(637703.4, 4176902.8, 20.4, 20.4, 0.0); (637321.8,

```
4176712.7,      20.8,      20.8,       0.0);
     ( 636866.1, 4176483.9,      20.4,      20.4,       0.0);         ( 636327.4,
4176212.2,      21.7,      21.7,       0.0);
     ( 636323.1, 4176252.4,      21.5,      21.5,       0.0);         ( 637151.1,
4176671.3,      20.8,      22.0,       0.0);
     ( 637431.9, 4176809.0,      20.9,      20.9,       0.0);         ( 637877.8,
4177034.8,      20.3,      20.3,       0.0);
     ( 637948.9, 4177069.9,      21.1,      21.1,       0.0);         ( 637948.2,
4177112.6,      20.5,      20.5,       0.0);
     ( 638289.1, 4177285.5,      20.0,      20.0,       0.0);         ( 638352.7,
4177317.6,      19.7,      19.7,       0.0);
     ( 638409.6, 4177295.3,      20.0,      20.0,       0.0);         ( 638496.7,
4177338.0,      19.6,      19.6,       0.0);
     ( 638623.0, 4177402.5,      19.1,      19.1,       0.0);         ( 638746.1,
4177464.3,      19.0,      19.0,       0.0);
     ( 638904.6, 4177541.8,      18.6,      18.6,       0.0);         ( 638992.0,
4177583.4,      18.7,      18.7,       0.0);
     ( 639106.2, 4177637.9,      18.5,      18.5,       0.0);         ( 639183.3,
4177677.2,      18.2,      18.2,       0.0);
     ( 639308.1, 4177739.6,      17.9,      17.9,       0.0);         ( 639390.7,
4177781.6,      17.6,      17.6,       0.0);
     ( 639455.6, 4177816.5,      17.3,      17.3,       0.0);         ( 639495.8,
4177850.6,      17.2,      17.2,       0.0);
     ( 639514.9, 4177810.9,      17.7,      17.7,       0.0);         ( 639304.2,
4177704.8,      18.1,      18.1,       0.0);
     ( 639064.6, 4177580.8,      18.6,      18.6,       0.0);         ( 638712.9,
4177401.8,      19.3,      19.3,       0.0);
     ( 638499.8, 4177298.7,      19.9,      19.9,       0.0);         ( 638477.6,
4177287.7,      19.9,      19.9,       0.0);
     ( 638455.3, 4177276.6,      20.0,      20.0,       0.0);         ( 638433.0,
4177265.6,      20.1,      20.1,       0.0);
     ( 638410.7, 4177254.5,      20.2,      20.2,       0.0);         ( 638388.5,
4177243.5,      20.3,      20.3,       0.0);
     ( 638366.2, 4177232.4,      20.3,      20.3,       0.0);         ( 638321.8,
4177210.8,      20.4,      20.4,       0.0);
     ( 638299.7, 4177200.2,      20.5,      20.5,       0.0);         ( 638277.6,
4177189.6,      20.6,      20.6,       0.0);
     ( 638255.5, 4177179.0,      20.7,      20.7,       0.0);         ( 638233.5,
4177168.4,      20.8,      20.8,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638211.4, 4177157.8, 20.8, 20.8, 0.0); (638189.3, 4177147.2, 20.9, 20.9, 0.0);
(638167.2, 4177136.7, 20.9, 20.9, 0.0); (638145.1, 4177126.1, 20.9, 20.9, 0.0);
(638123.0, 4177115.5, 21.0, 21.0, 0.0); (638100.9, 4177104.9, 21.0, 21.0, 0.0);
(638078.8, 4177094.3, 21.1, 21.1, 0.0); (638034.7, 4177072.4, 21.2, 21.2, 0.0);
(638012.6, 4177061.1, 21.2, 21.2, 0.0); (637990.5, 4177049.8, 21.2, 21.2, 0.0);
(637968.4, 4177038.5, 21.3, 21.3, 0.0); (637946.3, 4177027.2, 21.7, 21.7, 0.0);
(637924.2, 4177015.9, 21.8, 21.8, 0.0); (637902.1, 4177004.6, 20.9, 20.9, 0.0);
(637880.0, 4176993.3, 20.8, 20.8, 0.0); (637858.0, 4176982.0, 20.9, 20.9, 0.0);
(637835.9, 4176970.7, 20.7, 20.7, 0.0); (637813.8, 4176959.4, 20.6, 20.6, 0.0);
(637791.7, 4176948.1, 20.6, 20.6, 0.0); (637769.6, 4176936.8, 20.6, 20.6, 0.0);
(637747.5, 4176925.5, 20.5, 20.5, 0.0); (637725.4, 4176914.2, 20.4, 20.4, 0.0);
(637682.2, 4176892.3, 20.4, 20.4, 0.0); (637661.0, 4176881.7, 20.4, 20.4, 0.0);
(637639.8, 4176871.2, 20.4, 20.4, 0.0); (637618.6, 4176860.6, 20.4, 20.4, 0.0);
(637597.4, 4176850.0, 20.5, 20.5, 0.0); (637576.2, 4176839.5, 20.6, 20.6, 0.0);
(637555.0, 4176828.9, 20.7, 20.7, 0.0); (637533.8, 4176818.3, 20.8, 20.8, 0.0);
(637512.6, 4176807.8, 20.9, 20.9, 0.0); (637491.4, 4176797.2, 21.0, 21.0, 0.0);
(637470.2, 4176786.6, 21.1, 21.1, 0.0); (637449.0, 4176776.1, 21.3, 21.3, 0.0);
(637427.8, 4176765.5, 21.4, 21.4, 0.0); (637406.6, 4176754.9, 21.6, 21.6, 0.0);
(637385.4, 4176744.4, 21.4, 21.4, 0.0); (637364.2, 4176733.8, 21.2, 21.2, 0.0);
(637343.0, 4176723.3, 20.9, 20.9, 0.0); (637300.1, 4176701.8, 20.8, 20.8, 0.0);
(637278.4, 4176690.9, 20.8, 20.8, 0.0); (637256.7, 4176680.0, 20.8, 20.8, 0.0);
(637235.0, 4176669.1, 20.8, 20.8, 0.0); (637213.3, 4176658.2, 20.5, 22.3, 0.0);
(637191.6, 4176647.3, 22.4, 22.4, 0.0); (637169.9, 4176636.4, 21.5, 21.5, 0.0);
(637148.2, 4176625.5, 20.9, 20.9, 0.0); (637126.5, 4176614.6, 20.6, 20.6, 0.0);
(637104.8, 4176603.7, 20.2, 20.2, 0.0); (637083.1, 4176592.8, 20.2, 20.2, 0.0);
(637061.4, 4176581.9, 20.3, 20.3, 0.0); (637039.7,

```
4176571.0,      20.3,      20.3,       0.0);
     ( 637018.0, 4176560.1,      20.4,      20.4,       0.0);         ( 636996.3,
4176549.3,      20.4,      20.4,       0.0);
     ( 636974.6, 4176538.4,      20.5,      20.5,       0.0);         ( 636952.9,
4176527.5,      20.4,      20.4,       0.0);
     ( 636931.2, 4176516.6,      20.4,      20.4,       0.0);         ( 636909.5,
4176505.7,      20.4,      20.4,       0.0);
     ( 636887.8, 4176494.8,      20.4,      20.4,       0.0);         ( 636844.5,
4176473.0,      20.4,      20.4,       0.0);
     ( 636823.0, 4176462.1,      20.5,      20.5,       0.0);         ( 636801.4,
4176451.3,      20.5,      20.5,       0.0);
     ( 636779.9, 4176440.4,      20.5,      20.5,       0.0);         ( 636758.3,
4176429.5,      20.6,      20.6,       0.0);
     ( 636736.8, 4176418.7,      20.5,      20.5,       0.0);         ( 636715.2,
4176407.8,      20.6,      20.6,       0.0);
     ( 636693.7, 4176397.0,      20.5,      20.5,       0.0);         ( 636672.1,
4176386.1,      20.5,      20.5,       0.0);
     ( 636650.6, 4176375.2,      20.5,      20.5,       0.0);         ( 636629.0,
4176364.4,      20.5,      20.5,       0.0);
     ( 636607.5, 4176353.5,      20.5,      20.5,       0.0);         ( 636585.9,
4176342.6,      20.5,      20.5,       0.0);
     ( 636564.4, 4176331.8,      20.5,      20.5,       0.0);         ( 636542.9,
4176320.9,      20.6,      20.6,       0.0);
     ( 636521.3, 4176310.0,      20.6,      20.6,       0.0);         ( 636499.8,
4176299.2,      20.6,      20.6,       0.0);
     ( 636478.2, 4176288.3,      20.6,      20.6,       0.0);         ( 636456.7,
4176277.4,      20.7,      20.7,       0.0);
     ( 636435.1, 4176266.6,      20.7,      20.7,       0.0);         ( 636413.6,
4176255.7,      20.8,      20.8,       0.0);
     ( 636392.0, 4176244.8,      20.8,      20.8,       0.0);         ( 636370.5,
4176234.0,      20.9,      20.9,       0.0);
     ( 636348.9, 4176223.1,      21.5,      21.5,       0.0);         ( 636344.9,
4176263.5,      21.3,      21.3,       0.0);
     ( 636366.6, 4176274.5,      20.7,      20.7,       0.0);         ( 636388.4,
4176285.5,      20.5,      20.5,       0.0);
     ( 636410.2, 4176296.5,      20.5,      20.5,       0.0);         ( 636432.0,
4176307.5,      20.4,      20.4,       0.0);
     ( 636453.8, 4176318.6,      20.4,      20.4,       0.0);         ( 636475.6,
4176329.6,      20.3,      20.3,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(636497.4, 4176340.6, 20.4, 20.4, 0.0); (636519.2, 4176351.6, 20.4, 20.4, 0.0);
(636541.0, 4176362.7, 20.4, 20.4, 0.0); (636562.8, 4176373.7, 20.3, 20.3, 0.0);
(636584.6, 4176384.7, 20.4, 20.4, 0.0); (636606.3, 4176395.7, 20.4, 20.4, 0.0);
(636628.1, 4176406.8, 20.4, 20.4, 0.0); (636649.9, 4176417.8, 20.3, 20.3, 0.0);
(636671.7, 4176428.8, 20.4, 20.4, 0.0); (636693.5, 4176439.8, 20.3, 20.3, 0.0);
(636715.3, 4176450.9, 20.2, 20.2, 0.0); (636737.1, 4176461.9, 20.1, 20.1, 0.0);
(636758.9, 4176472.9, 19.9, 19.9, 0.0); (636780.7, 4176483.9, 19.9, 19.9, 0.0);
(636802.5, 4176494.9, 20.2, 20.2, 0.0); (636824.2, 4176506.0, 20.1, 20.1, 0.0);
(636846.0, 4176517.0, 20.1, 20.1, 0.0); (636867.8, 4176528.0, 20.2, 20.2, 0.0);
(636889.6, 4176539.0, 20.2, 20.2, 0.0); (636911.4, 4176550.1, 20.2, 20.2, 0.0);
(636933.2, 4176561.1, 20.2, 20.2, 0.0); (636955.0, 4176572.1, 20.3, 20.3, 0.0);
(636976.8, 4176583.1, 20.2, 20.2, 0.0); (636998.6, 4176594.2, 20.6, 20.6, 0.0);
(637020.4, 4176605.2, 20.8, 20.8, 0.0); (637042.2, 4176616.2, 20.6, 20.6, 0.0);
(637064.0, 4176627.2, 20.7, 20.7, 0.0); (637085.8, 4176638.2, 20.6, 20.6, 0.0);
(637107.5, 4176649.3, 20.6, 20.6, 0.0); (637129.3, 4176660.3, 20.7, 20.7, 0.0);
(637172.7, 4176681.9, 22.2, 22.2, 0.0); (637194.3, 4176692.5, 19.6, 22.4, 0.0);
(637215.9, 4176703.1, 20.1, 20.1, 0.0); (637237.5, 4176713.7, 20.4, 20.4, 0.0);
(637259.1, 4176724.3, 20.6, 20.6, 0.0); (637280.7, 4176734.9, 21.2, 21.2, 0.0);
(637302.3, 4176745.4, 21.3, 21.3, 0.0); (637323.9, 4176756.0, 21.3, 21.3, 0.0);
(637345.5, 4176766.6, 20.7, 20.7, 0.0); (637367.1, 4176777.2, 20.8, 20.8, 0.0);
(637388.7, 4176787.8, 20.8, 20.8, 0.0); (637410.3, 4176798.4, 20.9, 20.9, 0.0);
(637454.2, 4176820.3, 20.8, 20.8, 0.0); (637476.5, 4176831.6, 20.9, 20.9, 0.0);
(637498.8, 4176842.9, 20.7, 20.7, 0.0); (637521.1, 4176854.2, 20.6, 20.6, 0.0);
(637543.4, 4176865.5, 20.6, 20.6, 0.0); (637565.7, 4176876.8, 20.5, 20.5, 0.0);
(637588.0, 4176888.0, 20.6, 20.6, 0.0); (637610.3, 4176899.3, 20.6, 20.6, 0.0);
(637632.6, 4176910.6, 20.4, 20.4, 0.0); (637654.9,

```
4176921.9,      20.4,      20.4,       0.0);
     ( 637677.2, 4176933.2,      20.3,      20.3,       0.0);         ( 637699.5,
4176944.5,      20.4,      20.4,       0.0);
     ( 637721.8, 4176955.8,      20.4,      20.4,       0.0);         ( 637744.1,
4176967.1,      20.3,      20.3,       0.0);
     ( 637766.3, 4176978.4,      20.4,      20.4,       0.0);         ( 637788.6,
4176989.7,      20.4,      20.4,       0.0);
     ( 637810.9, 4177001.0,      20.4,      20.4,       0.0);         ( 637833.2,
4177012.3,      20.4,      20.4,       0.0);
     ( 637855.5, 4177023.5,      20.4,      20.4,       0.0);         ( 637895.6,
4177043.6,      20.4,      20.4,       0.0);
     ( 637913.4, 4177052.4,      20.9,      20.9,       0.0);         ( 637931.1,
4177061.1,      21.7,      21.7,       0.0);
     ( 637948.6, 4177091.2,      20.7,      20.7,       0.0);         ( 637969.5,
4177123.4,      20.1,      20.1,       0.0);
     ( 637990.8, 4177134.2,      20.0,      20.0,       0.0);         ( 638012.1,
4177145.0,      20.0,      20.0,       0.0);
     ( 638033.4, 4177155.8,      20.1,      20.1,       0.0);         ( 638054.7,
4177166.6,      20.1,      20.1,       0.0);
     ( 638076.0, 4177177.5,      20.1,      20.1,       0.0);         ( 638097.3,
4177188.3,      20.1,      20.1,       0.0);
     ( 638118.6, 4177199.1,      20.1,      20.1,       0.0);         ( 638139.9,
4177209.9,      20.1,      20.1,       0.0);
     ( 638161.2, 4177220.7,      20.0,      20.0,       0.0);         ( 638182.5,
4177231.5,      20.1,      20.1,       0.0);
     ( 638203.9, 4177242.3,      20.1,      20.1,       0.0);         ( 638225.2,
4177253.1,      20.1,      20.1,       0.0);
     ( 638246.5, 4177263.9,      20.1,      20.1,       0.0);         ( 638267.8,
4177274.7,      20.0,      20.0,       0.0);
     ( 638310.3, 4177296.2,      20.0,      20.0,       0.0);         ( 638331.5,
4177306.9,      20.0,      20.0,       0.0);
     ( 638371.7, 4177310.2,      19.6,      19.6,       0.0);         ( 638390.6,
4177302.8,      19.8,      19.8,       0.0);
     ( 638431.3, 4177306.0,      19.9,      19.9,       0.0);         ( 638453.1,
4177316.7,      19.9,      19.9,       0.0);
     ( 638474.9, 4177327.3,      19.8,      19.8,       0.0);         ( 638517.7,
4177348.8,      19.4,      19.4,       0.0);
     ( 638538.8, 4177359.5,      19.4,      19.4,       0.0);         ( 638559.9,
4177370.3,      19.3,      19.3,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638580.9, 4177381.0, 19.2, 19.2, 0.0); (638602.0, 4177391.8, 19.1, 19.1, 0.0);
(638643.5, 4177412.8, 19.0, 19.0, 0.0); (638664.0, 4177423.1, 19.1, 19.1, 0.0);
(638684.6, 4177433.4, 19.1, 19.1, 0.0); (638705.1, 4177443.7, 19.1, 19.1, 0.0);
(638725.6, 4177454.0, 19.3, 19.3, 0.0); (638765.9, 4177474.0, 18.8, 18.8, 0.0);
(638785.7, 4177483.7, 18.8, 18.8, 0.0); (638805.5, 4177493.3, 18.6, 18.6, 0.0);
(638825.3, 4177503.0, 18.7, 18.7, 0.0); (638845.1, 4177512.8, 18.7, 18.7, 0.0);
(638864.9, 4177522.4, 18.7, 18.7, 0.0); (638884.8, 4177532.1, 18.7, 18.7, 0.0);
(638926.4, 4177552.2, 18.6, 18.6, 0.0); (638948.3, 4177562.6, 18.6, 18.6, 0.0);
(638970.1, 4177573.0, 18.7, 18.7, 0.0); (639011.0, 4177592.5, 18.6, 18.6, 0.0);
(639030.1, 4177601.5, 18.6, 18.6, 0.0); (639049.1, 4177610.6, 18.6, 18.6, 0.0);
(639068.1, 4177619.7, 18.5, 18.5, 0.0); (639087.2, 4177628.8, 18.5, 18.5, 0.0);
(639125.5, 4177647.7, 18.4, 18.4, 0.0); (639144.8, 4177657.5, 18.3, 18.3, 0.0);
(639164.1, 4177667.4, 18.3, 18.3, 0.0); (639204.1, 4177687.6, 18.2, 18.2, 0.0);
(639224.9, 4177698.0, 18.1, 18.1, 0.0); (639245.7, 4177708.4, 18.1, 18.1, 0.0);
(639266.5, 4177718.8, 18.0, 18.0, 0.0); (639287.3, 4177729.2, 17.9, 17.9, 0.0);
(639328.7, 4177750.1, 17.8, 17.8, 0.0); (639349.4, 4177760.6, 17.7, 17.7, 0.0);
(639370.1, 4177771.1, 17.6, 17.6, 0.0); (639412.3, 4177793.2, 17.5, 17.5, 0.0);
(639434.0, 4177804.9, 17.3, 17.3, 0.0); (639469.0, 4177827.9, 17.1, 17.1, 0.0);
(639482.4, 4177839.2, 17.0, 17.0, 0.0); (639506.1, 4177867.1, 17.1, 17.1, 0.0);
(639493.8, 4177800.3, 17.7, 17.7, 0.0); (639472.8, 4177789.7, 17.6, 17.6, 0.0);
(639451.7, 4177779.1, 17.4, 17.4, 0.0); (639430.6, 4177768.5, 17.8, 17.8, 0.0);
(639409.5, 4177757.8, 17.8, 17.8, 0.0); (639388.5, 4177747.2, 17.9, 17.9, 0.0);
(639367.4, 4177736.6, 17.9, 17.9, 0.0); (639346.3, 4177726.0, 17.9, 17.9, 0.0);
(639325.2, 4177715.4, 18.1, 18.1, 0.0); (639282.4, 4177693.5, 18.1, 18.1, 0.0);
(639260.6, 4177682.2, 18.1, 18.1, 0.0); (639238.8, 4177671.0, 18.2, 18.2, 0.0);
(639217.1, 4177659.7, 18.3, 18.3, 0.0); (639195.3,

```
4177648.4,      18.4,      18.4,       0.0);
     ( 639173.5, 4177637.1,      18.4,      18.4,       0.0);         ( 639151.7,
4177625.9,      18.4,      18.4,       0.0);
     ( 639130.0, 4177614.6,      18.5,      18.5,       0.0);         ( 639108.2,
4177603.3,      18.5,      18.5,       0.0);
     ( 639086.4, 4177592.0,      18.6,      18.6,       0.0);         ( 639045.6,
4177570.6,      18.6,      18.6,       0.0);
     ( 639026.7, 4177560.5,      18.5,      18.5,       0.0);         ( 638691.7,
4177391.6,      19.4,      19.4,       0.0);
     ( 638670.5, 4177381.4,      19.4,      19.4,       0.0);         ( 638649.3,
4177371.1,      19.3,      19.3,       0.0);
     ( 638628.1, 4177360.9,      19.3,      19.3,       0.0);         ( 638606.9,
4177350.7,      19.4,      19.4,       0.0);
     ( 638585.7, 4177340.5,      19.4,      19.4,       0.0);         ( 638564.5,
4177330.2,      19.6,      19.6,       0.0);
     ( 638543.3, 4177320.0,      19.7,      19.7,       0.0);         ( 638926.5,
4177432.1,      19.2,      19.2,       0.0);
     ( 638921.5, 4177362.2,      19.3,      19.3,       0.0);         ( 638922.5,
4177320.0,      19.3,      19.3,       0.0);
     ( 638924.2, 4177250.6,      19.5,      19.5,       0.0);         ( 638893.4,
4177259.7,      19.5,      19.5,       0.0);
     ( 638872.5, 4177311.1,      19.2,      19.2,       0.0);         ( 638851.1,
4177344.4,      19.2,      19.2,       0.0);
     ( 638837.0, 4177363.0,      19.2,      19.2,       0.0);         ( 638820.4,
4177370.5,      19.3,      19.3,       0.0);
     ( 638781.5, 4177377.0,      19.1,      19.1,       0.0);         ( 638750.8,
4177376.4,      19.1,      19.1,       0.0);
     ( 638718.0, 4177376.5,      19.1,      19.1,       0.0);         ( 639008.8,
4177549.5,      18.6,      18.6,       0.0);
     ( 638960.4, 4177503.8,      18.7,      18.7,       0.0);         ( 638931.2,
4177448.5,      19.1,      19.1,       0.0);
     ( 638924.8, 4177408.8,      19.2,      19.2,       0.0);         ( 638923.1,
4177385.5,      19.3,      19.3,       0.0);
     ( 638922.0, 4177341.1,      19.4,      19.4,       0.0);         ( 638923.1,
4177296.9,      19.3,      19.3,       0.0);
     ( 638923.6, 4177273.7,      19.4,      19.4,       0.0);         ( 638908.8,
4177255.1,      19.5,      19.5,       0.0);
     ( 638886.4, 4177276.8,      19.5,      19.5,       0.0);         ( 638879.5,
4177294.0,      19.3,      19.3,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638861.8, 4177327.8, 19.2, 19.2, 0.0); (638800.9, 4177373.8, 19.2, 19.2, 0.0);
(638766.1, 4177376.7, 19.1, 19.1, 0.0); (638992.7, 4177534.2, 18.7, 18.7, 0.0);
(638976.6, 4177519.0, 18.7, 18.7, 0.0); (638950.7, 4177485.3, 18.8, 18.8, 0.0);
(638940.9, 4177466.9, 18.8, 18.8, 0.0); (638354.7, 4177198.9, 20.5, 20.5, 0.0);
(638332.6, 4177188.3, 20.4, 20.4, 0.0); (638310.5, 4177177.7, 20.6, 20.6, 0.0);
(638288.4, 4177167.1, 20.5, 20.5, 0.0); (638266.4, 4177156.5, 20.8, 20.8, 0.0);
(638244.3, 4177145.9, 20.7, 20.7, 0.0); (638222.2, 4177135.3, 20.6, 20.6, 0.0);
(638200.1, 4177124.7, 21.0, 21.0, 0.0); (638178.0, 4177114.1, 20.9, 20.9, 0.0);
(638155.9, 4177103.5, 21.1, 21.1, 0.0); (638133.8, 4177092.9, 21.0, 21.0, 0.0);
(638111.7, 4177082.3, 21.1, 21.1, 0.0); (638089.6, 4177071.7, 21.0, 21.0, 0.0);
(638067.6, 4177061.1, 21.1, 21.1, 0.0); (638365.5, 4177176.3, 20.4, 20.4, 0.0);
(638343.4, 4177165.7, 20.5, 20.5, 0.0); (638321.3, 4177155.1, 20.5, 20.5, 0.0);
(638299.2, 4177144.5, 20.6, 20.6, 0.0); (638277.2, 4177133.9, 20.9, 20.9, 0.0);
(638255.1, 4177123.3, 20.9, 20.9, 0.0); (638233.0, 4177112.8, 21.0, 21.0, 0.0);
(638210.9, 4177102.2, 21.3, 21.3, 0.0); (638188.8, 4177091.6, 21.2, 21.2, 0.0);
(638166.7, 4177081.0, 21.2, 21.2, 0.0); (638144.6, 4177070.4, 21.3, 21.3, 0.0);
(638122.5, 4177059.8, 21.3, 21.3, 0.0); (638100.5, 4177049.2, 21.1, 21.1, 0.0);
(638078.4, 4177038.6, 21.2, 21.2, 0.0); (638376.3, 4177153.8, 20.4, 20.4, 0.0);
(638354.2, 4177143.2, 20.6, 20.6, 0.0); (638332.2, 4177132.6, 20.5, 20.5, 0.0);
(638310.1, 4177122.0, 20.9, 20.9, 0.0); (638288.0, 4177111.4, 20.9, 20.9, 0.0);
(638265.9, 4177100.8, 21.0, 21.0, 0.0); (638243.8, 4177090.2, 21.1, 21.1, 0.0);
(638221.7, 4177079.6, 21.2, 21.2, 0.0); (638199.6, 4177069.0, 21.5, 21.5, 0.0);
(638177.5, 4177058.4, 21.5, 21.5, 0.0); (638155.4, 4177047.8, 21.6, 21.6, 0.0);
(638133.4, 4177037.2, 21.3, 21.3, 0.0); (638111.3, 4177026.7, 21.4, 21.4, 0.0);
(638089.2, 4177016.1, 21.4, 21.4, 0.0); (638387.1, 4177131.2, 20.3, 20.3, 0.0);
(638365.1, 4177120.6, 20.4, 20.4, 0.0); (638343.0,

```
4177110.0,      20.5,      20.5,       0.0);
     ( 638320.9, 4177099.4,      20.8,      20.8,       0.0);         ( 638298.8,
4177088.9,      20.9,      20.9,       0.0);
     ( 638276.7, 4177078.3,      20.8,      20.8,       0.0);         ( 638254.6,
4177067.7,      20.9,      20.9,       0.0);
     ( 638232.5, 4177057.1,      21.2,      21.2,       0.0);         ( 638210.4,
4177046.5,      21.5,      21.5,       0.0);
     ( 638188.3, 4177035.9,      21.6,      21.6,       0.0);         ( 638166.2,
4177025.3,      21.6,      21.6,       0.0);
     ( 638144.2, 4177014.7,      21.8,      21.8,       0.0);         ( 638122.1,
4177004.1,      21.6,      21.6,       0.0);
     ( 638100.0, 4176993.5,      21.4,      21.4,       0.0);         ( 638046.0,
4177050.1,      21.3,      21.3,       0.0);
     ( 638024.0, 4177038.8,      21.1,      21.1,       0.0);         ( 638001.9,
4177027.5,      21.4,      21.4,       0.0);
     ( 637979.8, 4177016.2,      21.5,      21.5,       0.0);         ( 637957.7,
4177004.9,      21.6,      21.6,       0.0);
     ( 637935.6, 4176993.6,      21.6,      21.6,       0.0);         ( 637913.5,
4176982.3,      21.2,      21.2,       0.0);
     ( 637891.4, 4176971.0,      21.2,      21.2,       0.0);         ( 637869.4,
4176959.7,      21.2,      21.2,       0.0);
     ( 637847.3, 4176948.4,      21.1,      21.1,       0.0);         ( 637825.2,
4176937.1,      20.7,      20.7,       0.0);
     ( 637803.1, 4176925.8,      20.7,      20.7,       0.0);         ( 637781.0,
4176914.5,      20.7,      20.7,       0.0);
     ( 637758.9, 4176903.2,      20.6,      20.6,       0.0);         ( 637736.8,
4176891.9,      20.6,      20.6,       0.0);
     ( 637714.7, 4176880.6,      20.8,      20.8,       0.0);         ( 638057.4,
4177027.9,      21.4,      21.4,       0.0);
     ( 638035.3, 4177016.6,      21.1,      21.1,       0.0);         ( 638013.2,
4177005.3,      21.5,      21.5,       0.0);
     ( 637991.2, 4176994.0,      21.1,      21.1,       0.0);         ( 637969.1,
4176982.7,      21.5,      21.5,       0.0);
     ( 637947.0, 4176971.4,      21.4,      21.4,       0.0);         ( 637924.9,
4176960.1,      21.2,      21.2,       0.0);
     ( 637902.8, 4176948.8,      21.5,      21.5,       0.0);         ( 637880.7,
4176937.5,      21.8,      21.8,       0.0);
     ( 637858.7, 4176926.2,      21.7,      21.7,       0.0);         ( 637836.6,
4176914.8,      21.7,      21.7,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637814.5, 4176903.5, 21.6, 21.6, 0.0); (637792.4, 4176892.2, 21.6, 21.6, 0.0);
(637770.3, 4176880.9, 21.6, 21.6, 0.0); (637748.2, 4176869.6, 21.6, 21.6, 0.0);
(637726.1, 4176858.3, 21.6, 21.6, 0.0); (638068.8, 4177005.6, 21.4, 21.4, 0.0);
(638046.7, 4176994.3, 21.7, 21.7, 0.0); (638024.6, 4176983.0, 21.3, 21.3, 0.0);
(638002.6, 4176971.7, 21.3, 21.3, 0.0); (637980.5, 4176960.4, 21.5, 21.5, 0.0);
(637958.4, 4176949.1, 21.6, 21.6, 0.0); (637936.3, 4176937.8, 21.0, 21.0, 0.0);
(637914.2, 4176926.5, 21.1, 21.1, 0.0); (637892.1, 4176915.2, 22.0, 22.0, 0.0);
(637870.0, 4176903.9, 21.9, 21.9, 0.0); (637848.0, 4176892.6, 21.7, 21.7, 0.0);
(637825.9, 4176881.3, 21.6, 21.6, 0.0); (637803.8, 4176870.0, 21.5, 21.5, 0.0);
(637781.7, 4176858.7, 21.5, 21.5, 0.0); (637759.6, 4176847.4, 21.4, 21.4, 0.0);
(637737.5, 4176836.1, 21.4, 21.4, 0.0); (638058.1, 4176972.1, 21.7, 21.7, 0.0);
(638036.0, 4176960.8, 21.4, 21.4, 0.0); (638014.0, 4176949.5, 21.6, 21.6, 0.0);
(637991.9, 4176938.2, 21.3, 21.3, 0.0); (637969.8, 4176926.9, 21.7, 21.7, 0.0);
(637947.7, 4176915.5, 21.2, 21.2, 0.0); (637925.6, 4176904.2, 20.9, 20.9, 0.0);
(637903.5, 4176892.9, 21.5, 21.5, 0.0); (637881.4, 4176881.6, 21.6, 21.6, 0.0);
(637859.3, 4176870.3, 21.6, 21.6, 0.0); (637837.2, 4176859.0, 21.6, 21.6, 0.0);
(637815.2, 4176847.7, 21.6, 21.6, 0.0); (637793.1, 4176836.4, 21.6, 21.6, 0.0);
(637771.0, 4176825.1, 21.5, 21.5, 0.0); (637748.9, 4176813.8, 21.3, 21.3, 0.0);
(637693.3, 4176869.9, 20.9, 20.9, 0.0); (637672.1, 4176859.3, 21.0, 21.0, 0.0);
(637650.9, 4176848.8, 21.0, 21.0, 0.0); (637629.7, 4176838.2, 21.0, 21.0, 0.0);
(637608.5, 4176827.7, 21.1, 21.1, 0.0); (637587.3, 4176817.1, 21.2, 21.2, 0.0);
(637566.1, 4176806.5, 21.2, 21.2, 0.0); (637544.9, 4176796.0, 21.3, 21.3, 0.0);
(637523.7, 4176785.4, 21.3, 21.3, 0.0); (637502.5, 4176774.8, 21.3, 21.3, 0.0);
(637481.3, 4176764.3, 21.5, 21.5, 0.0); (637460.2, 4176753.7, 21.6, 21.6, 0.0);
(637439.0, 4176743.1, 21.6, 21.6, 0.0); (637417.8, 4176732.6, 21.7, 21.7, 0.0);
(637396.6, 4176722.0, 21.6, 21.6, 0.0); (637375.4,

```
4176711.4,      21.5,      21.5,       0.0);
     ( 637354.2, 4176700.9,      21.2,      21.2,      0.0);         ( 637333.0,
4176690.3,      21.1,      21.1,       0.0);
     ( 637704.5, 4176847.5,      21.6,      21.6,      0.0);         ( 637683.3,
4176837.0,      21.6,      21.6,       0.0);
     ( 637662.1, 4176826.4,      21.7,      21.7,      0.0);         ( 637640.9,
4176815.8,      21.8,      21.8,       0.0);
     ( 637619.7, 4176805.3,      21.7,      21.7,      0.0);         ( 637598.5,
4176794.7,      21.7,      21.7,       0.0);
     ( 637577.3, 4176784.1,      21.8,      21.8,      0.0);         ( 637556.1,
4176773.6,      21.9,      21.9,       0.0);
     ( 637534.9, 4176763.0,      21.8,      21.8,      0.0);         ( 637513.7,
4176752.5,      21.8,      21.8,       0.0);
     ( 637492.5, 4176741.9,      21.8,      21.8,      0.0);         ( 637471.3,
4176731.3,      21.7,      21.7,       0.0);
     ( 637450.1, 4176720.8,      21.7,      21.7,      0.0);         ( 637428.9,
4176710.2,      21.7,      21.7,       0.0);
     ( 637407.7, 4176699.6,      21.6,      21.6,      0.0);         ( 637386.5,
4176689.1,      21.5,      21.5,       0.0);
     ( 637365.3, 4176678.5,      21.4,      21.4,      0.0);         ( 637344.1,
4176667.9,      21.4,      21.4,       0.0);
     ( 637715.6, 4176825.2,      21.4,      21.4,      0.0);         ( 637694.4,
4176814.6,      21.3,      21.3,       0.0);
     ( 637673.2, 4176804.0,      21.7,      21.7,      0.0);         ( 637652.0,
4176793.5,      21.8,      21.8,       0.0);
     ( 637630.8, 4176782.9,      21.5,      21.5,      0.0);         ( 637609.6,
4176772.3,      21.3,      21.3,       0.0);
     ( 637588.4, 4176761.8,      21.4,      21.4,      0.0);         ( 637567.2,
4176751.2,      21.5,      21.5,       0.0);
     ( 637546.0, 4176740.6,      21.4,      21.4,      0.0);         ( 637524.8,
4176730.1,      21.4,      21.4,       0.0);
     ( 637503.7, 4176719.5,      21.3,      21.3,      0.0);         ( 637482.5,
4176709.0,      21.3,      21.3,       0.0);
     ( 637461.2, 4176698.4,      21.3,      21.3,      0.0);         ( 637440.1,
4176687.8,      21.4,      21.4,       0.0);
     ( 637418.9, 4176677.3,      21.4,      21.4,      0.0);         ( 637397.7,
4176666.7,      21.3,      21.3,       0.0);
     ( 637376.5, 4176656.1,      21.2,      21.2,      0.0);         ( 637355.3,
4176645.6,      21.2,      21.2,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637726.8, 4176802.8, 21.4, 21.4, 0.0); (637705.6, 4176792.2, 21.2, 21.2, 0.0);
(637684.4, 4176781.7, 21.6, 21.6, 0.0); (637663.2, 4176771.1, 21.8, 21.8, 0.0);
(637642.0, 4176760.5, 21.1, 21.1, 0.0); (637620.8, 4176750.0, 21.3, 21.3, 0.0);
(637599.6, 4176739.4, 21.4, 21.4, 0.0); (637578.4, 4176728.8, 21.5, 21.5, 0.0);
(637557.2, 4176718.3, 21.5, 21.5, 0.0); (637536.0, 4176707.7, 21.4, 21.4, 0.0);
(637514.8, 4176697.1, 21.3, 21.3, 0.0); (637493.6, 4176686.6, 20.9, 20.9, 0.0);
(637472.4, 4176676.0, 21.3, 21.3, 0.0); (637451.2, 4176665.4, 21.5, 21.5, 0.0);
(637430.0, 4176654.9, 21.3, 21.3, 0.0); (637408.8, 4176644.3, 21.3, 21.3, 0.0);
(637387.6, 4176633.8, 21.3, 21.3, 0.0); (637366.4, 4176623.2, 21.3, 21.3, 0.0);
(637311.3, 4176679.5, 21.1, 21.1, 0.0); (637289.6, 4176668.6, 21.1, 21.1, 0.0);
(637267.9, 4176657.7, 20.9, 20.9, 0.0); (637246.2, 4176646.8, 20.7, 20.7, 0.0);
(637224.5, 4176635.9, 20.8, 21.9, 0.0); (637202.8, 4176625.0, 22.1, 22.1, 0.0);
(637181.1, 4176614.1, 20.7, 20.7, 0.0); (637159.4, 4176603.2, 20.6, 20.6, 0.0);
(637137.7, 4176592.3, 20.7, 20.7, 0.0); (637116.0, 4176581.4, 20.6, 20.6, 0.0);
(637094.3, 4176570.5, 20.4, 20.4, 0.0); (637072.6, 4176559.6, 20.4, 20.4, 0.0);
(637050.9, 4176548.7, 20.4, 20.4, 0.0); (637029.2, 4176537.8, 20.4, 20.4, 0.0);
(637007.5, 4176526.9, 20.5, 20.5, 0.0); (636985.8, 4176516.0, 20.5, 20.5, 0.0);
(636964.1, 4176505.1, 20.5, 20.5, 0.0); (636942.4, 4176494.2, 20.5, 20.5, 0.0);
(636920.7, 4176483.3, 20.5, 20.5, 0.0); (636899.0, 4176472.4, 20.6, 20.6, 0.0);
(636877.3, 4176461.5, 20.5, 20.5, 0.0); (637322.6, 4176657.1, 21.4, 21.4, 0.0);
(637300.8, 4176646.2, 21.4, 21.4, 0.0); (637279.1, 4176635.3, 21.5, 21.5, 0.0);
(637257.4, 4176624.4, 21.3, 21.5, 0.0); (637235.7, 4176613.5, 21.1, 21.3, 0.0);
(637214.0, 4176602.6, 21.7, 21.7, 0.0); (637192.3, 4176591.7, 21.0, 21.0, 0.0);
(637170.6, 4176580.8, 20.9, 20.9, 0.0); (637148.9, 4176569.9, 20.9, 20.9, 0.0);
(637127.2, 4176559.0, 20.6, 20.6, 0.0); (637105.5, 4176548.2, 20.4, 20.4, 0.0);
(637083.8, 4176537.3, 20.5, 20.5, 0.0); (637062.1,

```
4176526.4,      20.6,      20.6,       0.0);
     ( 637040.4, 4176515.5,      20.8,      20.8,       0.0);         ( 637018.7,
4176504.6,      20.8,      20.8,       0.0);
     ( 636997.0, 4176493.7,      20.8,      20.8,       0.0);         ( 636975.3,
4176482.8,      20.8,      20.8,       0.0);
     ( 636953.6, 4176471.9,      20.9,      20.9,       0.0);         ( 636931.9,
4176461.0,      20.9,      20.9,       0.0);
     ( 636910.2, 4176450.1,      20.8,      20.8,       0.0);         ( 636888.5,
4176439.2,      20.8,      20.8,       0.0);
     ( 637333.8, 4176634.8,      21.3,      21.3,       0.0);         ( 637312.1,
4176623.9,      21.3,      21.3,       0.0);
     ( 637290.4, 4176613.0,      21.2,      21.2,       0.0);         ( 637268.7,
4176602.1,      20.6,      21.0,       0.0);
     ( 637247.0, 4176591.2,      20.9,      20.9,       0.0);         ( 637225.2,
4176580.3,      21.3,      21.3,       0.0);
     ( 637203.6, 4176569.4,      21.6,      21.6,       0.0);         ( 637181.8,
4176558.5,      21.2,      21.2,       0.0);
     ( 637160.1, 4176547.6,      21.4,      21.4,       0.0);         ( 637138.4,
4176536.7,      21.4,      21.4,       0.0);
     ( 637116.7, 4176525.8,      20.6,      20.6,       0.0);         ( 637095.0,
4176514.9,      20.7,      20.7,       0.0);
     ( 637073.3, 4176504.0,      20.7,      20.7,       0.0);         ( 637051.6,
4176493.1,      20.4,      20.4,       0.0);
     ( 637029.9, 4176482.2,      20.6,      20.6,       0.0);         ( 637008.2,
4176471.3,      20.7,      20.7,       0.0);
     ( 636986.5, 4176460.4,      20.7,      20.7,       0.0);         ( 636964.8,
4176449.5,      20.6,      20.6,       0.0);
     ( 636943.1, 4176438.6,      20.6,      20.6,       0.0);         ( 636921.4,
4176427.8,      20.7,      20.7,       0.0);
     ( 636899.7, 4176416.9,      20.6,      20.6,       0.0);         ( 637345.0,
4176612.4,      21.2,      21.2,       0.0);
     ( 637323.3, 4176601.5,      21.2,      21.2,       0.0);         ( 637301.6,
4176590.6,      21.3,      21.3,       0.0);
     ( 637279.9, 4176579.7,      19.7,      21.3,       0.0);         ( 637258.2,
4176568.8,      20.9,      20.9,       0.0);
     ( 637236.5, 4176557.9,      21.4,      21.4,       0.0);         ( 637214.8,
4176547.0,      21.4,      21.4,       0.0);
     ( 637193.1, 4176536.2,      21.2,      21.2,       0.0);         ( 637171.4,
4176525.3,      21.1,      21.1,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637149.7, 4176514.4, 21.5, 21.5, 0.0); (637128.0, 4176503.5, 20.8, 20.8, 0.0);
(637106.2, 4176492.6, 20.9, 20.9, 0.0); (637084.5, 4176481.7, 20.7, 20.7, 0.0);
(637062.8, 4176470.8, 20.6, 20.6, 0.0); (637041.1, 4176459.9, 20.7, 20.7, 0.0);
(637019.4, 4176449.0, 20.8, 20.8, 0.0); (636997.7, 4176438.1, 20.9, 20.9, 0.0);
(636976.0, 4176427.2, 20.7, 20.7, 0.0); (636954.3, 4176416.3, 20.8, 20.8, 0.0);
(636932.6, 4176405.4, 21.0, 21.0, 0.0); (636910.9, 4176394.5, 20.8, 20.8, 0.0);
(636855.8, 4176450.7, 20.5, 20.5, 0.0); (636834.2, 4176439.8, 20.5, 20.5, 0.0);
(636812.7, 4176429.0, 20.7, 20.7, 0.0); (636791.1, 4176418.1, 20.7, 20.7, 0.0);
(636769.6, 4176407.2, 20.7, 20.7, 0.0); (636748.0, 4176396.4, 20.5, 20.5, 0.0);
(636726.5, 4176385.5, 20.6, 20.6, 0.0); (636704.9, 4176374.6, 20.6, 20.6, 0.0);
(636683.4, 4176363.8, 20.6, 20.6, 0.0); (636661.8, 4176352.9, 20.6, 20.6, 0.0);
(636640.3, 4176342.0, 20.5, 20.5, 0.0); (636618.8, 4176331.2, 20.6, 20.6, 0.0);
(636597.2, 4176320.3, 20.6, 20.6, 0.0); (636575.7, 4176309.4, 20.7, 20.7, 0.0);
(636554.1, 4176298.6, 20.6, 20.6, 0.0); (636532.6, 4176287.7, 20.7, 20.7, 0.0);
(636511.0, 4176276.8, 20.7, 20.7, 0.0); (636489.5, 4176266.0, 20.7, 20.7, 0.0);
(636467.9, 4176255.1, 20.7, 20.7, 0.0); (636446.4, 4176244.2, 20.8, 20.8, 0.0);
(636424.8, 4176233.4, 20.8, 20.8, 0.0); (636403.3, 4176222.5, 20.8, 20.8, 0.0);
(636381.7, 4176211.6, 20.9, 20.9, 0.0); (636360.2, 4176200.8, 21.1, 21.1, 0.0);
(636338.6, 4176189.9, 21.5, 21.5, 0.0); (636867.0, 4176428.4, 20.8, 20.8, 0.0);
(636845.5, 4176417.5, 20.9, 20.9, 0.0); (636823.9, 4176406.6, 21.0, 21.0, 0.0);
(636802.4, 4176395.8, 21.1, 21.1, 0.0); (636780.8, 4176384.9, 21.2, 21.2, 0.0);
(636759.3, 4176374.0, 20.9, 20.9, 0.0); (636737.7, 4176363.2, 20.8, 20.8, 0.0);
(636716.2, 4176352.3, 20.8, 20.8, 0.0); (636694.6, 4176341.4, 20.7, 20.7, 0.0);
(636673.1, 4176330.6, 20.7, 20.7, 0.0); (636651.6, 4176319.7, 20.7, 20.7, 0.0);
(636630.0, 4176308.8, 20.7, 20.7, 0.0); (636608.5, 4176298.0, 20.8, 20.8, 0.0);
(636586.9, 4176287.1, 20.9, 20.9, 0.0); (636565.4,

```
4176276.2,      21.1,      21.1,       0.0);
     ( 636543.8, 4176265.4,      21.1,      21.1,       0.0);         ( 636522.3,
4176254.5,      21.1,      21.1,       0.0);
     ( 636500.7, 4176243.6,      21.2,      21.2,       0.0);         ( 636479.2,
4176232.8,      21.3,      21.3,       0.0);
     ( 636457.6, 4176221.9,      21.4,      21.4,       0.0);         ( 636436.1,
4176211.0,      21.6,      21.6,       0.0);
     ( 636414.5, 4176200.2,      21.9,      21.9,       0.0);         ( 636393.0,
4176189.3,      21.9,      21.9,       0.0);
     ( 636371.4, 4176178.4,      21.8,      21.8,       0.0);         ( 636349.9,
4176167.6,      21.5,      21.5,       0.0);
     ( 636878.3, 4176406.0,      20.6,      20.6,       0.0);         ( 636856.7,
4176395.2,      20.7,      20.7,       0.0);
     ( 636835.2, 4176384.3,      20.9,      20.9,       0.0);         ( 636813.6,
4176373.4,      20.9,      20.9,       0.0);
     ( 636792.1, 4176362.6,      21.2,      21.2,       0.0);         ( 636770.5,
4176351.7,      21.0,      21.0,       0.0);
     ( 636749.0, 4176340.9,      20.6,      20.6,       0.0);         ( 636727.5,
4176330.0,      20.5,      20.5,       0.0);
     ( 636705.9, 4176319.1,      20.5,      20.5,       0.0);         ( 636684.4,
4176308.3,      20.5,      20.5,       0.0);
     ( 636662.8, 4176297.4,      20.5,      20.5,       0.0);         ( 636641.3,
4176286.5,      20.5,      20.5,       0.0);
     ( 636619.7, 4176275.7,      20.6,      20.6,       0.0);         ( 636598.2,
4176264.8,      20.7,      20.7,       0.0);
     ( 636576.6, 4176253.9,      20.8,      20.8,       0.0);         ( 636555.1,
4176243.1,      20.8,      20.8,       0.0);
     ( 636533.5, 4176232.2,      20.9,      20.9,       0.0);         ( 636512.0,
4176221.3,      21.0,      21.0,       0.0);
     ( 636490.4, 4176210.5,      21.1,      21.1,       0.0);         ( 636468.9,
4176199.6,      21.1,      21.1,       0.0);
     ( 636447.3, 4176188.7,      21.6,      21.6,       0.0);         ( 636425.8,
4176177.9,      22.0,      22.0,       0.0);
     ( 636404.2, 4176167.0,      21.7,      21.7,       0.0);         ( 636382.7,
4176156.1,      21.6,      21.6,       0.0);
     ( 636361.2, 4176145.3,      21.9,      21.9,       0.0);         ( 636889.5,
4176383.7,      20.7,      20.7,       0.0);
     ( 636868.0, 4176372.9,      20.9,      20.9,       0.0);         ( 636846.4,
4176362.0,      21.1,      21.1,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(636824.9, 4176351.1, 20.9, 20.9, 0.0); (636803.4, 4176340.3, 21.2, 21.2, 0.0);
(636781.8, 4176329.4, 21.0, 21.0, 0.0); (636760.2, 4176318.5, 20.6, 20.6, 0.0);
(636738.7, 4176307.7, 20.6, 20.6, 0.0); (636717.2, 4176296.8, 20.8, 20.8, 0.0);
(636695.6, 4176285.9, 20.6, 20.6, 0.0); (636674.1, 4176275.1, 20.6, 20.6, 0.0);
(636652.5, 4176264.2, 20.8, 20.8, 0.0); (636631.0, 4176253.3, 21.0, 21.0, 0.0);
(636609.4, 4176242.5, 20.6, 20.6, 0.0); (636587.9, 4176231.6, 21.0, 21.0, 0.0);
(636566.3, 4176220.7, 21.0, 21.0, 0.0); (636544.8, 4176209.9, 21.0, 21.0, 0.0);
(636523.2, 4176199.0, 21.1, 21.1, 0.0); (636501.7, 4176188.1, 21.4, 21.4, 0.0);
(636480.1, 4176177.3, 21.0, 21.0, 0.0); (636458.6, 4176166.4, 21.5, 21.5, 0.0);
(636437.1, 4176155.5, 21.8, 21.8, 0.0); (636415.5, 4176144.7, 21.7, 21.7, 0.0);
(636394.0, 4176133.8, 21.4, 21.4, 0.0); (636372.4, 4176122.9, 22.0, 22.0, 0.0);
(636311.8, 4176274.7, 20.8, 20.8, 0.0); (636333.6, 4176285.8, 21.4, 21.4, 0.0);
(636355.4, 4176296.8, 20.6, 20.6, 0.0); (636377.1, 4176307.8, 20.3, 20.3, 0.0);
(636398.9, 4176318.8, 20.2, 20.2, 0.0); (636420.7, 4176329.9, 20.2, 20.2, 0.0);
(636442.5, 4176340.9, 20.2, 20.2, 0.0); (636464.3, 4176351.9, 20.1, 20.1, 0.0);
(636486.1, 4176362.9, 20.2, 20.2, 0.0); (636507.9, 4176373.9, 20.2, 20.2, 0.0);
(636529.7, 4176385.0, 20.2, 20.2, 0.0); (636551.5, 4176396.0, 20.2, 20.2, 0.0);
(636573.3, 4176407.0, 20.1, 20.1, 0.0); (636595.1, 4176418.0, 20.1, 20.1, 0.0);
(636616.9, 4176429.1, 20.1, 20.1, 0.0); (636638.6, 4176440.1, 20.1, 20.1, 0.0);
(636660.4, 4176451.1, 20.2, 20.2, 0.0); (636682.2, 4176462.1, 20.0, 20.0, 0.0);
(636704.0, 4176473.2, 20.0, 20.0, 0.0); (636725.8, 4176484.2, 19.8, 19.8, 0.0);
(636747.6, 4176495.2, 19.8, 19.8, 0.0); (636769.4, 4176506.2, 20.0, 20.0, 0.0);
(636791.2, 4176517.3, 20.0, 20.0, 0.0); (636813.0, 4176528.3, 20.2, 20.2, 0.0);
(636834.8, 4176539.3, 20.3, 20.3, 0.0); (636856.6, 4176550.3, 20.2, 20.2, 0.0);
(636878.3, 4176561.3, 20.3, 20.3, 0.0); (636900.1, 4176572.4, 20.3, 20.3, 0.0);
(636921.9, 4176583.4, 20.3, 20.3, 0.0); (636943.7,

```
4176594.4,      20.3,      20.3,       0.0);
     ( 636965.5, 4176605.4,      20.2,      20.2,       0.0);         ( 636987.3,
4176616.5,      20.2,      20.2,       0.0);
     ( 637009.1, 4176627.5,      20.4,      20.4,       0.0);         ( 637030.9,
4176638.5,      20.5,      20.5,       0.0);
     ( 637052.7, 4176649.5,      20.4,      20.4,       0.0);         ( 637074.5,
4176660.6,      20.4,      20.4,       0.0);
     ( 637096.2, 4176671.6,      20.4,      20.4,       0.0);         ( 637118.0,
4176682.6,      20.6,      20.6,       0.0);
     ( 637139.8, 4176693.6,      21.2,      21.2,       0.0);         ( 636289.8,
4176286.7,      20.6,      20.6,       0.0);
     ( 636322.3, 4176308.1,      20.8,      20.8,       0.0);         ( 636344.1,
4176319.1,      20.6,      20.6,       0.0);
     ( 636365.9, 4176330.1,      20.1,      20.1,       0.0);         ( 636387.7,
4176341.1,      20.1,      20.1,       0.0);
     ( 636409.4, 4176352.2,      20.1,      20.1,       0.0);         ( 636431.2,
4176363.2,      19.9,      19.9,       0.0);
     ( 636453.0, 4176374.2,      19.9,      19.9,       0.0);         ( 636474.8,
4176385.2,      19.9,      19.9,       0.0);
     ( 636496.6, 4176396.3,      19.8,      19.8,       0.0);         ( 636518.4,
4176407.3,      19.8,      19.8,       0.0);
     ( 636540.2, 4176418.3,      19.8,      19.8,       0.0);         ( 636562.0,
4176429.3,      19.9,      19.9,       0.0);
     ( 636583.8, 4176440.4,      19.8,      19.8,       0.0);         ( 636605.6,
4176451.4,      19.8,      19.8,       0.0);
     ( 636627.4, 4176462.4,      19.9,      19.9,       0.0);         ( 636649.1,
4176473.4,      19.8,      19.8,       0.0);
     ( 636670.9, 4176484.4,      19.9,      19.9,       0.0);         ( 636692.7,
4176495.5,      19.9,      19.9,       0.0);
     ( 636714.5, 4176506.5,      19.8,      19.8,       0.0);         ( 636736.3,
4176517.5,      19.8,      19.8,       0.0);
     ( 636758.1, 4176528.5,      19.9,      19.9,       0.0);         ( 636779.9,
4176539.6,      19.9,      19.9,       0.0);
     ( 636801.7, 4176550.6,      20.0,      20.0,       0.0);         ( 636823.5,
4176561.6,      20.1,      20.1,       0.0);
     ( 636845.3, 4176572.6,      20.1,      20.1,       0.0);         ( 636867.1,
4176583.7,      20.2,      20.2,       0.0);
     ( 636888.9, 4176594.7,      20.1,      20.1,       0.0);         ( 636910.6,
4176605.7,      20.1,      20.1,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(636932.4, 4176616.7, 20.1, 20.1, 0.0); (636954.2, 4176627.8, 19.9, 19.9, 0.0);
(636976.0, 4176638.8, 19.9, 19.9, 0.0); (636997.8, 4176649.8, 19.8, 19.8, 0.0);
(637019.6, 4176660.8, 19.8, 19.8, 0.0); (637041.4, 4176671.8, 19.8, 19.8, 0.0);
(637063.2, 4176682.9, 20.1, 20.1, 0.0); (637085.0, 4176693.9, 19.6, 19.6, 0.0);
(637106.8, 4176704.9, 20.1, 20.1, 0.0); (637128.6, 4176715.9, 21.0, 21.0, 0.0);
(636273.2, 4176303.8, 19.9, 19.9, 0.0); (636311.0, 4176330.4, 20.6, 20.6, 0.0);
(636332.8, 4176341.4, 20.7, 20.7, 0.0); (636354.6, 4176352.4, 20.0, 20.0, 0.0);
(636376.4, 4176363.4, 19.7, 19.7, 0.0); (636398.2, 4176374.5, 19.6, 19.6, 0.0);
(636420.0, 4176385.5, 19.5, 19.5, 0.0); (636441.7, 4176396.5, 19.4, 19.4, 0.0);
(636463.5, 4176407.5, 19.4, 19.4, 0.0); (636485.3, 4176418.6, 19.3, 19.3, 0.0);
(636507.1, 4176429.6, 19.2, 19.2, 0.0); (636528.9, 4176440.6, 19.2, 19.2, 0.0);
(636550.7, 4176451.6, 19.1, 19.1, 0.0); (636572.5, 4176462.7, 19.0, 19.0, 0.0);
(636594.3, 4176473.7, 19.4, 19.4, 0.0); (636616.1, 4176484.7, 19.8, 19.8, 0.0);
(636637.9, 4176495.7, 19.6, 19.6, 0.0); (636659.7, 4176506.8, 19.4, 19.4, 0.0);
(636681.4, 4176517.8, 19.9, 19.9, 0.0); (636703.2, 4176528.8, 19.7, 19.7, 0.0);
(636725.0, 4176539.8, 19.2, 19.2, 0.0); (636746.8, 4176550.8, 19.3, 19.3, 0.0);
(636768.6, 4176561.9, 19.4, 19.4, 0.0); (636790.4, 4176572.9, 19.4, 19.4, 0.0);
(636812.2, 4176583.9, 19.5, 19.5, 0.0); (636834.0, 4176594.9, 19.6, 19.6, 0.0);
(636855.8, 4176606.0, 19.7, 19.7, 0.0); (636877.6, 4176617.0, 19.6, 19.6, 0.0);
(636899.4, 4176628.0, 19.5, 19.5, 0.0); (636921.1, 4176639.0, 19.4, 19.4, 0.0);
(636942.9, 4176650.1, 19.4, 19.4, 0.0); (636964.7, 4176661.1, 19.3, 19.3, 0.0);
(636986.5, 4176672.1, 19.3, 19.3, 0.0); (637008.3, 4176683.1, 19.6, 19.6, 0.0);
(637030.1, 4176694.2, 19.9, 19.9, 0.0); (637051.9, 4176705.2, 19.9, 19.9, 0.0);
(637073.7, 4176716.2, 19.3, 19.3, 0.0); (637095.5, 4176727.2, 19.9, 19.9, 0.0);
(637117.3, 4176738.2, 20.4, 20.4, 0.0); (636263.7, 4176327.8, 19.6, 19.6, 0.0);
(636299.7, 4176352.7, 20.2, 20.2, 0.0); (636321.5,

```
4176363.7,      20.3,      20.3,       0.0);
     ( 636343.3, 4176374.7,      20.1,      20.1,       0.0);         ( 636365.1,
4176385.8,      19.9,      19.9,       0.0);
     ( 636386.9, 4176396.8,      19.8,      19.8,       0.0);         ( 636408.7,
4176407.8,      19.5,      19.5,       0.0);
     ( 636430.5, 4176418.8,      19.9,      19.9,       0.0);         ( 636452.2,
4176429.9,      19.9,      19.9,       0.0);
     ( 636474.0, 4176440.9,      19.8,      19.8,       0.0);         ( 636495.8,
4176451.9,      19.7,      19.7,       0.0);
     ( 636517.6, 4176462.9,      19.6,      19.6,       0.0);         ( 636539.4,
4176473.9,      19.6,      19.6,       0.0);
     ( 636561.2, 4176485.0,      19.2,      19.2,       0.0);         ( 636583.0,
4176496.0,      19.3,      19.3,       0.0);
     ( 636604.8, 4176507.0,      19.7,      19.7,       0.0);         ( 636626.6,
4176518.0,      19.6,      19.6,       0.0);
     ( 636648.4, 4176529.1,      19.4,      19.4,       0.0);         ( 636670.2,
4176540.1,      19.8,      19.8,       0.0);
     ( 636692.0, 4176551.1,      19.7,      19.7,       0.0);         ( 636713.7,
4176562.1,      19.1,      19.1,       0.0);
     ( 636735.5, 4176573.2,      19.8,      19.8,       0.0);         ( 636757.3,
4176584.2,      20.0,      20.0,       0.0);
     ( 636779.1, 4176595.2,      20.0,      20.0,       0.0);         ( 636800.9,
4176606.2,      20.0,      20.0,       0.0);
     ( 636822.7, 4176617.2,      20.1,      20.1,       0.0);         ( 636844.5,
4176628.3,      20.1,      20.1,       0.0);
     ( 636866.3, 4176639.3,      20.2,      20.2,       0.0);         ( 636888.1,
4176650.3,      20.1,      20.1,       0.0);
     ( 636909.9, 4176661.3,      20.0,      20.0,       0.0);         ( 636931.7,
4176672.4,      19.9,      19.9,       0.0);
     ( 636953.4, 4176683.4,      19.8,      19.8,       0.0);         ( 636975.2,
4176694.4,      19.7,      19.7,       0.0);
     ( 636997.0, 4176705.4,      19.3,      19.3,       0.0);         ( 637018.8,
4176716.5,      19.1,      19.1,       0.0);
     ( 637040.6, 4176727.5,      19.4,      19.4,       0.0);         ( 637062.4,
4176738.5,      19.3,      19.3,       0.0);
     ( 637084.2, 4176749.5,      19.7,      19.7,       0.0);         ( 637106.0,
4176760.6,      19.9,      19.9,       0.0);
     ( 637161.7, 4176704.4,      21.9,      21.9,       0.0);         ( 637183.3,
4176714.9,      19.0,      22.2,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637204.9, 4176725.5, 20.0, 20.0, 0.0); (637226.5, 4176736.1, 20.2, 20.2, 0.0);
(637248.1, 4176746.7, 20.4, 20.4, 0.0); (637269.7, 4176757.3, 20.5, 20.5, 0.0);
(637291.3, 4176767.9, 20.5, 20.5, 0.0); (637312.9, 4176778.5, 20.5, 20.5, 0.0);
(637334.5, 4176789.1, 20.6, 20.6, 0.0); (637356.1, 4176799.7, 20.6, 20.6, 0.0);
(637377.7, 4176810.3, 20.7, 20.7, 0.0); (637399.3, 4176820.8, 20.6, 20.6, 0.0);
(637420.9, 4176831.4, 20.6, 20.6, 0.0); (637150.7, 4176726.8, 21.3, 21.3, 0.0);
(637172.3, 4176737.4, 19.0, 21.6, 0.0); (637193.9, 4176748.0, 20.0, 20.0, 0.0);
(637215.5, 4176758.6, 19.9, 19.9, 0.0); (637237.1, 4176769.2, 20.0, 20.0, 0.0);
(637258.7, 4176779.8, 20.1, 20.1, 0.0); (637280.3, 4176790.3, 20.2, 20.2, 0.0);
(637301.9, 4176800.9, 20.3, 20.3, 0.0); (637323.5, 4176811.5, 20.3, 20.3, 0.0);
(637345.1, 4176822.1, 20.4, 20.4, 0.0); (637366.7, 4176832.7, 20.5, 20.5, 0.0);
(637388.3, 4176843.3, 20.3, 20.3, 0.0); (637409.9, 4176853.9, 20.1, 20.1, 0.0);
(637139.7, 4176749.3, 20.5, 20.5, 0.0); (637161.3, 4176759.8, 19.4, 19.4, 0.0);
(637182.9, 4176770.4, 19.7, 19.7, 0.0); (637204.5, 4176781.0, 19.2, 19.2, 0.0);
(637226.1, 4176791.6, 19.4, 19.4, 0.0); (637247.7, 4176802.2, 19.4, 19.4, 0.0);
(637269.3, 4176812.8, 19.5, 19.5, 0.0); (637290.9, 4176823.4, 19.6, 19.6, 0.0);
(637312.5, 4176834.0, 19.7, 19.7, 0.0); (637334.1, 4176844.6, 19.8, 19.8, 0.0);
(637355.7, 4176855.1, 19.9, 19.9, 0.0); (637377.3, 4176865.7, 19.8, 19.8, 0.0);
(637398.9, 4176876.3, 19.7, 19.7, 0.0); (637128.7, 4176771.7, 19.4, 19.4, 0.0);
(637150.3, 4176782.3, 19.8, 19.8, 0.0); (637171.9, 4176792.9, 19.6, 19.6, 0.0);
(637193.5, 4176803.5, 19.3, 19.3, 0.0); (637215.1, 4176814.1, 19.9, 19.9, 0.0);
(637236.7, 4176824.6, 20.0, 20.0, 0.0); (637258.3, 4176835.2, 20.0, 20.0, 0.0);
(637279.9, 4176845.8, 20.1, 20.1, 0.0); (637301.5, 4176856.4, 20.1, 20.1, 0.0);
(637323.1, 4176867.0, 20.2, 20.2, 0.0); (637344.7, 4176877.6, 20.3, 20.3, 0.0);
(637366.3, 4176888.2, 20.3, 20.3, 0.0); (637387.9, 4176898.8, 20.1, 20.1, 0.0);
(637442.9, 4176842.6, 20.4, 20.4, 0.0); (637465.2,

```
4176853.9,      20.5,      20.5,       0.0);
     ( 637487.5, 4176865.2,      20.5,      20.5,       0.0);         ( 637509.8,
4176876.5,      20.5,      20.5,       0.0);
     ( 637532.1, 4176887.8,      20.6,      20.6,       0.0);         ( 637554.4,
4176899.0,      20.4,      20.4,       0.0);
     ( 637576.7, 4176910.3,      20.2,      20.2,       0.0);         ( 637599.0,
4176921.6,      20.3,      20.3,       0.0);
     ( 637621.3, 4176932.9,      20.2,      20.2,       0.0);         ( 637643.6,
4176944.2,      20.2,      20.2,       0.0);
     ( 637665.9, 4176955.5,      20.1,      20.1,       0.0);         ( 637688.2,
4176966.8,      20.1,      20.1,       0.0);
     ( 637710.5, 4176978.1,      20.1,      20.1,       0.0);         ( 637732.8,
4176989.4,      20.2,      20.2,       0.0);
     ( 637755.1, 4177000.7,      20.2,      20.2,       0.0);         ( 637777.4,
4177012.0,      20.4,      20.4,       0.0);
     ( 637799.6, 4177023.3,      20.1,      20.1,       0.0);         ( 637821.9,
4177034.6,      20.0,      20.0,       0.0);
     ( 637844.2, 4177045.8,      20.1,      20.1,       0.0);         ( 637866.5,
4177057.1,      20.1,      20.1,       0.0);
     ( 637431.6, 4176864.9,      20.1,      20.1,       0.0);         ( 637453.9,
4176876.2,      20.2,      20.2,       0.0);
     ( 637476.2, 4176887.5,      20.2,      20.2,       0.0);         ( 637498.5,
4176898.8,      20.3,      20.3,       0.0);
     ( 637520.8, 4176910.1,      20.3,      20.3,       0.0);         ( 637543.1,
4176921.3,      20.2,      20.2,       0.0);
     ( 637565.4, 4176932.6,      20.3,      20.3,       0.0);         ( 637587.7,
4176943.9,      20.3,      20.3,       0.0);
     ( 637610.0, 4176955.2,      20.3,      20.3,       0.0);         ( 637632.3,
4176966.5,      20.2,      20.2,       0.0);
     ( 637654.6, 4176977.8,      20.1,      20.1,       0.0);         ( 637676.9,
4176989.1,      20.2,      20.2,       0.0);
     ( 637699.2, 4177000.4,      20.1,      20.1,       0.0);         ( 637721.5,
4177011.7,      20.1,      20.1,       0.0);
     ( 637743.8, 4177023.0,      20.0,      20.0,       0.0);         ( 637766.1,
4177034.3,      20.1,      20.1,       0.0);
     ( 637788.4, 4177045.6,      20.0,      20.0,       0.0);         ( 637810.6,
4177056.9,      19.9,      19.9,       0.0);
     ( 637832.9, 4177068.2,      20.0,      20.0,       0.0);         ( 637855.2,
4177079.4,      20.0,      20.0,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637420.3, 4176887.2, 19.5, 19.5, 0.0); (637442.6, 4176898.5, 19.5, 19.5, 0.0);
(637464.9, 4176909.8, 19.6, 19.6, 0.0); (637487.2, 4176921.1, 19.6, 19.6, 0.0);
(637509.5, 4176932.4, 19.7, 19.7, 0.0); (637531.8, 4176943.7, 19.7, 19.7, 0.0);
(637554.1, 4176954.9, 19.8, 19.8, 0.0); (637576.4, 4176966.2, 19.9, 19.9, 0.0);
(637598.7, 4176977.5, 19.9, 19.9, 0.0); (637621.0, 4176988.8, 19.9, 19.9, 0.0);
(637643.3, 4177000.1, 19.8, 19.8, 0.0); (637665.6, 4177011.4, 19.8, 19.8, 0.0);
(637687.9, 4177022.7, 19.7, 19.7, 0.0); (637710.2, 4177034.0, 19.8, 19.8, 0.0);
(637732.5, 4177045.3, 19.6, 19.6, 0.0); (637754.8, 4177056.6, 20.0, 20.0, 0.0);
(637777.1, 4177067.9, 19.9, 19.9, 0.0); (637799.4, 4177079.2, 19.9, 19.9, 0.0);
(637821.7, 4177090.5, 19.9, 19.9, 0.0); (637843.9, 4177101.8, 20.0, 20.0, 0.0);
(637409.0, 4176909.5, 19.7, 19.7, 0.0); (637431.3, 4176920.8, 19.6, 19.6, 0.0);
(637453.6, 4176932.1, 20.1, 20.1, 0.0); (637475.9, 4176943.4, 20.0, 20.0, 0.0);
(637498.2, 4176954.7, 20.1, 20.1, 0.0); (637520.5, 4176966.0, 19.7, 19.7, 0.0);
(637542.8, 4176977.2, 19.9, 19.9, 0.0); (637565.1, 4176988.5, 20.1, 20.1, 0.0);
(637587.4, 4176999.8, 20.1, 20.1, 0.0); (637609.7, 4177011.1, 20.1, 20.1, 0.0);
(637632.0, 4177022.4, 20.1, 20.1, 0.0); (637654.3, 4177033.7, 20.1, 20.1, 0.0);
(637676.6, 4177045.0, 20.0, 20.0, 0.0); (637698.9, 4177056.3, 19.6, 19.6, 0.0);
(637721.2, 4177067.6, 19.5, 19.5, 0.0); (637743.5, 4177078.9, 19.8, 19.8, 0.0);
(637765.8, 4177090.2, 20.2, 20.2, 0.0); (637788.1, 4177101.5, 19.8, 19.8, 0.0);
(637810.4, 4177112.8, 19.9, 19.9, 0.0); (637832.7, 4177124.0, 19.9, 19.9, 0.0);
(637902.3, 4177074.8, 20.2, 20.2, 0.0); (637937.8, 4177092.3, 21.1, 21.1, 0.0);
(637891.2, 4177097.2, 19.7, 19.7, 0.0); (637926.8, 4177114.7, 20.7, 20.7, 0.0);
(637880.2, 4177119.6, 19.8, 19.8, 0.0); (637915.7, 4177137.1, 20.1, 20.1, 0.0);
(637869.1, 4177142.0, 19.9, 19.9, 0.0); (637904.7, 4177159.6, 19.9, 19.9, 0.0);
(637958.2, 4177145.7, 20.1, 20.1, 0.0); (637979.5, 4177156.5, 20.1, 20.1, 0.0);
(638000.8, 4177167.3, 19.8, 19.8, 0.0); (638022.1,

```
4177178.1,      19.9,      19.9,       0.0);
     ( 638043.4, 4177188.9,      20.0,      20.0,       0.0);         ( 638064.7,
4177199.8,      20.1,      20.1,       0.0);
     ( 638086.0, 4177210.6,      20.1,      20.1,       0.0);         ( 638107.3,
4177221.4,      20.0,      20.0,       0.0);
     ( 638128.6, 4177232.2,      19.9,      19.9,       0.0);         ( 638149.9,
4177243.0,      19.8,      19.8,       0.0);
     ( 638171.2, 4177253.8,      19.9,      19.9,       0.0);         ( 638192.5,
4177264.6,      20.0,      20.0,       0.0);
     ( 638213.8, 4177275.4,      20.1,      20.1,       0.0);         ( 638235.1,
4177286.2,      20.2,      20.2,       0.0);
     ( 638256.4, 4177297.0,      20.1,      20.1,       0.0);         ( 638277.8,
4177307.8,      20.0,      20.0,       0.0);
     ( 637946.9, 4177168.0,      20.0,      20.0,       0.0);         ( 637968.2,
4177178.8,      19.9,      19.9,       0.0);
     ( 637989.5, 4177189.6,      19.6,      19.6,       0.0);         ( 638010.8,
4177200.4,      20.2,      20.2,       0.0);
     ( 638032.1, 4177211.2,      20.3,      20.3,       0.0);         ( 638053.4,
4177222.0,      20.3,      20.3,       0.0);
     ( 638074.7, 4177232.8,      20.4,      20.4,       0.0);         ( 638096.0,
4177243.7,      20.3,      20.3,       0.0);
     ( 638117.3, 4177254.5,      20.2,      20.2,       0.0);         ( 638138.6,
4177265.3,      20.0,      20.0,       0.0);
     ( 638159.9, 4177276.1,      20.1,      20.1,       0.0);         ( 638181.2,
4177286.9,      20.3,      20.3,       0.0);
     ( 638202.5, 4177297.7,      20.4,      20.4,       0.0);         ( 638223.8,
4177308.5,      20.5,      20.5,       0.0);
     ( 638245.1, 4177319.3,      20.5,      20.5,       0.0);         ( 638266.4,
4177330.1,      20.2,      20.2,       0.0);
     ( 637935.6, 4177190.3,      19.5,      19.5,       0.0);         ( 637956.9,
4177201.1,      19.9,      19.9,       0.0);
     ( 637978.2, 4177211.9,      19.6,      19.6,       0.0);         ( 637999.5,
4177222.7,      19.7,      19.7,       0.0);
     ( 638020.8, 4177233.5,      19.9,      19.9,       0.0);         ( 638042.1,
4177244.3,      20.0,      20.0,       0.0);
     ( 638063.4, 4177255.1,      20.1,      20.1,       0.0);         ( 638084.7,
4177266.0,      20.1,      20.1,       0.0);
     ( 638106.0, 4177276.8,      20.2,      20.2,       0.0);         ( 638127.3,
4177287.6,      19.8,      19.8,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638148.6, 4177298.4, 19.8, 19.8, 0.0); (638169.9, 4177309.2, 20.3, 20.3, 0.0);
(638191.2, 4177320.0, 20.0, 20.0, 0.0); (638212.5, 4177330.8, 20.1, 20.1, 0.0);
(638233.8, 4177341.6, 20.2, 20.2, 0.0); (638255.1, 4177352.4, 19.8, 19.8, 0.0);
(637889.5, 4177189.3, 19.7, 19.7, 0.0); (637924.3, 4177212.6, 19.4, 19.4, 0.0);
(637945.6, 4177223.4, 19.3, 19.3, 0.0); (637966.9, 4177234.2, 19.2, 19.2, 0.0);
(637988.2, 4177245.0, 19.2, 19.2, 0.0); (638009.5, 4177255.8, 19.5, 19.5, 0.0);
(638030.8, 4177266.6, 19.6, 19.6, 0.0); (638052.1, 4177277.4, 19.7, 19.7, 0.0);
(638073.4, 4177288.2, 19.8, 19.8, 0.0); (638094.7, 4177299.1, 19.8, 19.8, 0.0);
(638116.0, 4177309.9, 19.7, 19.7, 0.0); (638137.3, 4177320.7, 19.7, 19.7, 0.0);
(638158.6, 4177331.5, 20.1, 20.1, 0.0); (638179.9, 4177342.3, 19.8, 19.8, 0.0);
(638201.2, 4177353.1, 19.9, 19.9, 0.0); (638222.5, 4177363.9, 20.1, 20.1, 0.0);
(638243.8, 4177374.7, 19.6, 19.6, 0.0); (638299.0, 4177318.5, 20.2, 20.2, 0.0);
(638320.2, 4177329.2, 20.2, 20.2, 0.0); (638341.5, 4177339.9, 19.7, 19.7, 0.0);
(638287.8, 4177340.9, 19.9, 19.9, 0.0); (638309.0, 4177351.6, 19.7, 19.7, 0.0);
(638330.2, 4177362.3, 19.4, 19.4, 0.0); (638276.5, 4177363.2, 20.0, 20.0, 0.0);
(638297.8, 4177373.9, 19.4, 19.4, 0.0); (638319.0, 4177384.6, 19.3, 19.3, 0.0);
(638265.3, 4177385.5, 20.0, 20.0, 0.0); (638286.5, 4177396.2, 19.5, 19.5, 0.0);
(638307.7, 4177406.9, 19.3, 19.3, 0.0); (638380.8, 4177333.5, 19.5, 19.5, 0.0);
(638418.7, 4177318.6, 19.7, 19.7, 0.0); (638357.4, 4177363.5, 19.3, 19.3, 0.0);
(638389.9, 4177356.7, 19.4, 19.4, 0.0); (638427.8, 4177341.9, 19.5, 19.5, 0.0);
(638364.8, 4177386.7, 19.3, 19.3, 0.0); (638399.1, 4177380.0, 19.4, 19.4, 0.0);
(638436.9, 4177365.1, 19.4, 19.4, 0.0); (638372.9, 4177409.9, 19.3, 19.3, 0.0);
(638340.3, 4177408.4, 19.4, 19.4, 0.0); (638408.2, 4177403.3, 19.3, 19.3, 0.0);
(638446.1, 4177388.4, 19.2, 19.2, 0.0); (638463.9, 4177349.8, 19.4, 19.4, 0.0);
(638485.7, 4177360.5, 19.2, 19.2, 0.0); (638474.7, 4177382.9, 19.1, 19.1, 0.0);
(638463.7, 4177405.4, 18.9, 18.9, 0.0); (638430.9,

```
4177417.1,      19.1,      19.1,       0.0);
     ( 638452.7, 4177427.8,      18.9,      18.9,       0.0);         ( 638506.4,
4177371.0,      19.0,      19.0,       0.0);
     ( 638527.4, 4177381.8,      19.0,      19.0,       0.0);         ( 638548.5,
4177392.5,      18.9,      18.9,       0.0);
     ( 638569.5, 4177403.3,      18.8,      18.8,       0.0);         ( 638590.6,
4177414.0,      18.6,      18.6,       0.0);
     ( 638611.7, 4177424.8,      18.7,      18.7,       0.0);         ( 638495.0,
4177393.3,      18.8,      18.8,       0.0);
     ( 638516.1, 4177404.0,      18.7,      18.7,       0.0);         ( 638537.1,
4177414.8,      18.6,      18.6,       0.0);
     ( 638558.2, 4177425.5,      18.5,      18.5,       0.0);         ( 638579.2,
4177436.3,      18.5,      18.5,       0.0);
     ( 638600.3, 4177447.0,      18.4,      18.4,       0.0);         ( 638504.7,
4177426.3,      18.5,      18.5,       0.0);
     ( 638525.7, 4177437.0,      18.5,      18.5,       0.0);         ( 638546.8,
4177447.8,      18.2,      18.2,       0.0);
     ( 638567.9, 4177458.6,      18.3,      18.3,       0.0);         ( 638588.9,
4177469.3,      18.4,      18.4,       0.0);
     ( 638493.3, 4177448.6,      18.4,      18.4,       0.0);         ( 638514.4,
4177459.3,      18.6,      18.6,       0.0);
     ( 638535.4, 4177470.1,      18.4,      18.4,       0.0);         ( 638556.5,
4177480.8,      18.5,      18.5,       0.0);
     ( 638577.5, 4177491.6,      18.6,      18.6,       0.0);         ( 638632.3,
4177435.1,      18.8,      18.8,       0.0);
     ( 638652.8, 4177445.4,      18.9,      18.9,       0.0);         ( 638673.3,
4177455.7,      18.9,      18.9,       0.0);
     ( 638693.9, 4177466.0,      18.8,      18.8,       0.0);         ( 638714.4,
4177476.3,      19.1,      19.1,       0.0);
     ( 638734.9, 4177486.6,      19.0,      19.0,       0.0);         ( 638621.1,
4177457.5,      18.7,      18.7,       0.0);
     ( 638641.6, 4177467.8,      18.7,      18.7,       0.0);         ( 638662.1,
4177478.1,      18.6,      18.6,       0.0);
     ( 638682.6, 4177488.4,      18.6,      18.6,       0.0);         ( 638703.2,
4177498.7,      18.7,      18.7,       0.0);
     ( 638723.7, 4177508.9,      19.0,      19.0,       0.0);         ( 638609.9,
4177479.8,      18.6,      18.6,       0.0);
     ( 638630.4, 4177490.1,      18.6,      18.6,       0.0);         ( 638650.9,
4177500.4,      18.7,      18.7,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638671.4, 4177510.7, 18.7, 18.7, 0.0); (638692.0, 4177521.0, 18.7, 18.7, 0.0);
(638712.5, 4177531.3, 18.9, 18.9, 0.0); (638598.7, 4177502.2, 18.7, 18.7, 0.0);
(638619.2, 4177512.5, 18.7, 18.7, 0.0); (638639.7, 4177522.8, 18.6, 18.6, 0.0);
(638660.2, 4177533.1, 18.5, 18.5, 0.0); (638680.7, 4177543.3, 18.6, 18.6, 0.0);
(638701.2, 4177553.6, 18.8, 18.8, 0.0); (638774.7, 4177506.1, 19.0, 19.0, 0.0);
(638814.3, 4177525.5, 18.7, 18.7, 0.0); (638854.0, 4177544.9, 18.3, 18.3, 0.0);
(638893.6, 4177564.3, 18.4, 18.4, 0.0); (638763.7, 4177528.6, 18.9, 18.9, 0.0);
(638803.3, 4177548.0, 18.4, 18.4, 0.0); (638843.0, 4177567.4, 18.2, 18.2, 0.0);
(638882.6, 4177586.8, 18.0, 18.0, 0.0); (638732.9, 4177541.3, 18.7, 18.7, 0.0);
(638772.5, 4177560.7, 18.4, 18.4, 0.0); (638812.2, 4177580.1, 18.0, 18.0, 0.0);
(638851.8, 4177599.5, 17.8, 17.8, 0.0); (638721.9, 4177563.8, 18.7, 18.7, 0.0);
(638761.5, 4177583.2, 18.4, 18.4, 0.0); (638801.2, 4177602.6, 18.1, 18.1, 0.0);
(638840.8, 4177622.0, 17.6, 17.6, 0.0); (638915.7, 4177574.8, 18.3, 18.3, 0.0);
(638937.5, 4177585.2, 18.2, 18.2, 0.0); (638959.4, 4177595.6, 18.1, 18.1, 0.0);
(638981.3, 4177606.0, 17.9, 17.9, 0.0); (638905.0, 4177597.4, 18.0, 18.0, 0.0);
(638926.8, 4177607.8, 17.9, 17.9, 0.0); (638948.7, 4177618.2, 17.8, 17.8, 0.0);
(638970.5, 4177628.5, 17.8, 17.8, 0.0); (638872.4, 4177609.6, 17.7, 17.7, 0.0);
(638894.2, 4177620.0, 17.8, 17.8, 0.0); (638916.1, 4177630.4, 17.8, 17.8, 0.0);
(638937.9, 4177640.7, 17.7, 17.7, 0.0); (638959.8, 4177651.1, 17.6, 17.6, 0.0);
(638861.6, 4177632.2, 17.5, 17.5, 0.0); (638883.5, 4177642.5, 17.7, 17.7, 0.0);
(638905.4, 4177652.9, 17.7, 17.7, 0.0); (638927.2, 4177663.3, 17.2, 17.2, 0.0);
(638949.1, 4177673.7, 17.5, 17.5, 0.0); (639019.3, 4177624.1, 17.7, 17.7, 0.0);
(639057.4, 4177642.3, 17.5, 17.5, 0.0); (639095.5, 4177660.4, 17.5, 17.5, 0.0);
(639008.5, 4177646.7, 17.8, 17.8, 0.0); (639046.6, 4177664.8, 17.7, 17.7, 0.0);
(639084.7, 4177683.0, 17.5, 17.5, 0.0); (638997.8, 4177669.2, 17.7, 17.7, 0.0);
(639035.9, 4177687.4, 17.7, 17.7, 0.0); (639073.9,

```
4177705.6,      17.3,      17.3,       0.0);
     ( 638987.0, 4177691.8,      17.5,      17.5,       0.0);         ( 639025.1,
4177710.0,      17.6,      17.6,       0.0);
     ( 639063.2, 4177728.1,      17.2,      17.2,       0.0);         ( 639133.4,
4177679.8,      17.4,      17.4,       0.0);
     ( 639172.0, 4177699.5,      17.4,      17.4,       0.0);         ( 639122.1,
4177702.1,      17.3,      17.3,       0.0);
     ( 639160.6, 4177721.8,      17.4,      17.4,       0.0);         ( 639110.7,
4177724.4,      17.3,      17.3,       0.0);
     ( 639149.2, 4177744.0,      17.3,      17.3,       0.0);         ( 639099.3,
4177746.6,      17.2,      17.2,       0.0);
     ( 639137.9, 4177766.3,      17.2,      17.2,       0.0);         ( 639193.0,
4177710.0,      17.3,      17.3,       0.0);
     ( 639213.7, 4177720.4,      17.3,      17.3,       0.0);         ( 639234.5,
4177730.8,      17.2,      17.2,       0.0);
     ( 639255.3, 4177741.2,      17.2,      17.2,       0.0);         ( 639276.1,
4177751.6,      17.1,      17.1,       0.0);
     ( 639296.9, 4177761.9,      17.1,      17.1,       0.0);         ( 639181.8,
4177732.3,      17.3,      17.3,       0.0);
     ( 639202.6, 4177742.7,      17.2,      17.2,       0.0);         ( 639223.4,
4177753.1,      16.9,      16.9,       0.0);
     ( 639244.1, 4177763.5,      16.9,      16.9,       0.0);         ( 639264.9,
4177773.9,      17.0,      17.0,       0.0);
     ( 639285.7, 4177784.3,      17.1,      17.1,       0.0);         ( 639170.6,
4177754.7,      17.3,      17.3,       0.0);
     ( 639191.4, 4177765.1,      17.2,      17.2,       0.0);         ( 639212.2,
4177775.5,      17.0,      17.0,       0.0);
     ( 639233.0, 4177785.9,      16.8,      16.8,       0.0);         ( 639253.8,
4177796.3,      16.9,      16.9,       0.0);
     ( 639274.6, 4177806.7,      16.9,      16.9,       0.0);         ( 639159.4,
4177777.0,      17.2,      17.2,       0.0);
     ( 639180.2, 4177787.4,      17.2,      17.2,       0.0);         ( 639201.0,
4177797.8,      17.1,      17.1,       0.0);
     ( 639221.8, 4177808.2,      16.7,      16.7,       0.0);         ( 639242.6,
4177818.6,      16.8,      16.8,       0.0);
     ( 639263.4, 4177829.0,      16.7,      16.7,       0.0);         ( 639317.4,
4177772.4,      17.1,      17.1,       0.0);
     ( 639338.1, 4177782.9,      17.2,      17.2,       0.0);         ( 639358.7,
4177793.4,      17.2,      17.2,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(639379.4, 4177803.8, 17.2, 17.2, 0.0); (639306.1, 4177794.7, 17.2, 17.2, 0.0);
(639326.8, 4177805.1, 17.2, 17.2, 0.0); (639347.4, 4177815.6, 17.1, 17.1, 0.0);
(639368.1, 4177826.1, 17.1, 17.1, 0.0); (639294.8, 4177816.9, 16.9, 16.9, 0.0);
(639315.4, 4177827.4, 16.9, 16.9, 0.0); (639336.1, 4177837.9, 16.9, 16.9, 0.0);
(639356.7, 4177848.4, 17.0, 17.0, 0.0); (639283.4, 4177839.2, 16.6, 16.6, 0.0);
(639304.1, 4177849.7, 16.6, 16.6, 0.0); (639324.8, 4177860.2, 16.6, 16.6, 0.0);
(639345.4, 4177870.7, 16.8, 16.8, 0.0); (639400.5, 4177815.2, 17.2, 17.2, 0.0);
(639422.1, 4177826.9, 17.0, 17.0, 0.0); (639443.8, 4177838.5, 17.0, 17.0, 0.0);
(639388.7, 4177837.2, 16.9, 16.9, 0.0); (639410.3, 4177848.9, 17.0, 17.0, 0.0);
(639431.9, 4177860.5, 16.8, 16.8, 0.0); (639376.8, 4177859.3, 16.9, 16.9, 0.0);
(639398.4, 4177870.9, 16.9, 16.9, 0.0); (639420.1, 4177882.5, 16.6, 16.6, 0.0);
(639386.6, 4177892.9, 16.7, 16.7, 0.0); (639408.2, 4177904.6, 16.6, 16.6, 0.0);
(639466.2, 4177858.3, 16.8, 16.8, 0.0); (639450.0, 4177877.3, 16.8, 16.8, 0.0);
(639447.2, 4177907.8, 16.7, 16.7, 0.0); (639431.0, 4177926.8, 16.5, 16.5, 0.0);
(639484.9, 4177880.4, 16.7, 16.7, 0.0); (639474.0, 4177910.1, 16.7, 16.7, 0.0);
(639454.3, 4177945.2, 16.6, 16.6, 0.0); (639526.1, 4177788.6, 17.9, 17.9, 0.0);
(639505.1, 4177778.0, 17.8, 17.8, 0.0); (639484.0, 4177767.3, 17.6, 17.6, 0.0);
(639462.9, 4177756.7, 17.6, 17.6, 0.0); (639441.8, 4177746.1, 17.9, 17.9, 0.0);
(639420.8, 4177735.5, 17.9, 17.9, 0.0); (639399.7, 4177724.9, 18.0, 18.0, 0.0);
(639378.6, 4177714.3, 18.0, 18.0, 0.0); (639357.6, 4177703.7, 17.9, 17.9, 0.0);
(639336.5, 4177693.1, 18.1, 18.1, 0.0); (639315.4, 4177682.5, 18.2, 18.2, 0.0);
(639547.3, 4177775.2, 17.5, 17.5, 0.0); (639516.3, 4177755.6, 18.1, 18.1, 0.0);
(639495.2, 4177745.0, 17.6, 17.6, 0.0); (639474.2, 4177734.4, 17.9, 17.9, 0.0);
(639453.1, 4177723.8, 17.7, 17.7, 0.0); (639432.0, 4177713.2, 17.6, 17.6, 0.0);
(639410.9, 4177702.6, 17.8, 17.8, 0.0); (639389.9, 4177692.0, 18.0, 18.0, 0.0);
(639368.8, 4177681.4, 17.9, 17.9, 0.0); (639347.7,

```
4177670.8,      18.0,      18.0,       0.0);
     ( 639326.6, 4177660.1,      18.0,      18.0,       0.0);         ( 639563.5,
4177757.4,      17.7,      17.7,       0.0);
     ( 639527.6, 4177733.3,      18.3,      18.3,       0.0);         ( 639506.5,
4177722.7,      18.1,      18.1,       0.0);
     ( 639485.4, 4177712.1,      17.6,      17.6,       0.0);         ( 639464.3,
4177701.5,      17.7,      17.7,       0.0);
     ( 639443.2, 4177690.9,      17.7,      17.7,       0.0);         ( 639422.2,
4177680.2,      17.9,      17.9,       0.0);
     ( 639401.1, 4177669.6,      18.0,      18.0,       0.0);         ( 639380.0,
4177659.0,      17.9,      17.9,       0.0);
     ( 639359.0, 4177648.4,      18.0,      18.0,       0.0);         ( 639337.9,
4177637.8,      18.1,      18.1,       0.0);
     ( 639573.1, 4177733.6,      17.7,      17.7,       0.0);         ( 639538.8,
4177711.0,      18.2,      18.2,       0.0);
     ( 639517.7, 4177700.4,      18.1,      18.1,       0.0);         ( 639496.6,
4177689.8,      17.8,      17.8,       0.0);
     ( 639475.6, 4177679.1,      17.9,      17.9,       0.0);         ( 639454.5,
4177668.5,      18.0,      18.0,       0.0);
     ( 639433.4, 4177657.9,      18.2,      18.2,       0.0);         ( 639412.4,
4177647.3,      18.2,      18.2,       0.0);
     ( 639391.3, 4177636.7,      18.1,      18.1,       0.0);         ( 639370.2,
4177626.1,      18.0,      18.0,       0.0);
     ( 639349.1, 4177615.5,      17.8,      17.8,       0.0);         ( 639293.9,
4177671.3,      18.2,      18.2,       0.0);
     ( 639272.1, 4177660.0,      18.1,      18.1,       0.0);         ( 639250.3,
4177648.8,      18.1,      18.1,       0.0);
     ( 639228.6, 4177637.5,      18.1,      18.1,       0.0);         ( 639206.8,
4177626.2,      18.2,      18.2,       0.0);
     ( 639185.0, 4177614.9,      18.2,      18.2,       0.0);         ( 639163.2,
4177603.7,      18.2,      18.2,       0.0);
     ( 639141.5, 4177592.4,      18.3,      18.3,       0.0);         ( 639119.7,
4177581.1,      18.3,      18.3,       0.0);
     ( 639097.9, 4177569.8,      18.5,      18.5,       0.0);         ( 639076.1,
4177558.6,      18.5,      18.5,       0.0);
     ( 639305.4, 4177649.1,      18.1,      18.1,       0.0);         ( 639283.6,
4177637.8,      18.1,      18.1,       0.0);
     ( 639261.8, 4177626.6,      18.1,      18.1,       0.0);         ( 639240.1,
4177615.3,      18.1,      18.1,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(639218.3, 4177604.0, 18.2, 18.2, 0.0); (639196.5, 4177592.8, 18.2, 18.2, 0.0);
(639174.7, 4177581.5, 18.2, 18.2, 0.0); (639153.0, 4177570.2, 18.2, 18.2, 0.0);
(639131.2, 4177558.9, 18.3, 18.3, 0.0); (639109.4, 4177547.6, 18.4, 18.4, 0.0);
(639087.6, 4177536.4, 18.4, 18.4, 0.0); (639316.9, 4177626.9, 18.0, 18.0, 0.0);
(639295.1, 4177615.6, 17.9, 17.9, 0.0); (639273.3, 4177604.4, 18.1, 18.1, 0.0);
(639251.5, 4177593.1, 18.2, 18.2, 0.0); (639229.8, 4177581.8, 18.2, 18.2, 0.0);
(639208.0, 4177570.5, 18.2, 18.2, 0.0); (639186.2, 4177559.3, 18.3, 18.3, 0.0);
(639164.4, 4177548.0, 18.3, 18.3, 0.0); (639142.7, 4177536.7, 18.4, 18.4, 0.0);
(639120.9, 4177525.4, 18.4, 18.4, 0.0); (639099.1, 4177514.2, 18.5, 18.5, 0.0);
(639328.4, 4177604.7, 17.8, 17.8, 0.0); (639306.6, 4177593.4, 18.0, 18.0, 0.0);
(639284.8, 4177582.2, 17.9, 17.9, 0.0); (639263.0, 4177570.9, 17.9, 17.9, 0.0);
(639241.3, 4177559.6, 18.1, 18.1, 0.0); (639219.5, 4177548.3, 18.1, 18.1, 0.0);
(639197.7, 4177537.1, 18.2, 18.2, 0.0); (639175.9, 4177525.8, 18.3, 18.3, 0.0);
(639154.2, 4177514.5, 18.4, 18.4, 0.0); (639132.4, 4177503.2, 18.5, 18.5, 0.0);
(639110.6, 4177492.0, 18.8, 18.8, 0.0); (639038.4, 4177538.5, 18.6, 18.6, 0.0);
(639000.4, 4177518.2, 18.7, 18.7, 0.0); (638962.5, 4177498.0, 18.8, 18.8, 0.0);
(639050.2, 4177516.4, 18.6, 18.6, 0.0); (639012.2, 4177496.1, 18.7, 18.7, 0.0);
(638974.2, 4177475.9, 18.9, 18.9, 0.0); (639062.0, 4177494.3, 18.6, 18.6, 0.0);
(639024.0, 4177474.1, 18.8, 18.8, 0.0); (638986.0, 4177453.8, 18.9, 18.9, 0.0);
(639073.7, 4177472.3, 18.8, 18.8, 0.0); (639035.7, 4177452.0, 18.9, 18.9, 0.0);
(638997.8, 4177431.8, 19.2, 19.2, 0.0); (638953.9, 4177465.1, 18.8, 18.8, 0.0);
(638756.9, 4177367.8, 19.2, 19.2, 0.0); (638735.1, 4177357.0, 19.1, 19.1, 0.0);
(638964.9, 4177442.6, 19.0, 19.0, 0.0); (638943.1, 4177431.8, 19.2, 19.2, 0.0);
(638811.8, 4177367.0, 19.3, 19.3, 0.0); (638789.9, 4177356.2, 19.1, 19.1, 0.0);
(638768.0, 4177345.4, 19.3, 19.3, 0.0); (638746.1, 4177334.6, 19.2, 19.2, 0.0);
(638976.0, 4177420.2, 19.2, 19.2, 0.0); (638954.1,

```
4177409.4,      19.3,      19.3,       0.0);
     ( 638932.2, 4177398.6,      19.3,      19.3,       0.0);         ( 638844.7,
4177355.4,      19.2,      19.2,       0.0);
     ( 638822.8, 4177344.6,      19.3,      19.3,       0.0);         ( 638801.0,
4177333.8,      19.1,      19.1,       0.0);
     ( 638779.1, 4177323.0,      18.9,      18.9,       0.0);         ( 638757.2,
4177312.1,      19.4,      19.4,       0.0);
     ( 638702.6, 4177369.1,      19.1,      19.1,       0.0);         ( 638681.4,
4177358.8,      19.2,      19.2,       0.0);
     ( 638660.2, 4177348.6,      19.3,      19.3,       0.0);         ( 638639.0,
4177338.4,      19.4,      19.4,       0.0);
     ( 638617.8, 4177328.2,      19.5,      19.5,       0.0);         ( 638596.6,
4177317.9,      19.6,      19.6,       0.0);
     ( 638575.4, 4177307.7,      19.9,      19.9,       0.0);         ( 638554.2,
4177297.5,      20.0,      20.0,       0.0);
     ( 638533.0, 4177287.3,      20.1,      20.1,       0.0);         ( 638713.4,
4177346.5,      19.2,      19.2,       0.0);
     ( 638692.2, 4177336.3,      19.0,      19.0,       0.0);         ( 638671.0,
4177326.1,      19.2,      19.2,       0.0);
     ( 638649.8, 4177315.9,      19.5,      19.5,       0.0);         ( 638628.6,
4177305.6,      19.6,      19.6,       0.0);
     ( 638607.4, 4177295.4,      19.8,      19.8,       0.0);         ( 638586.2,
4177285.2,      20.0,      20.0,       0.0);
     ( 638565.0, 4177275.0,      20.1,      20.1,       0.0);         ( 638543.8,
4177264.8,      20.1,      20.1,       0.0);
     ( 638724.3, 4177324.0,      19.2,      19.2,       0.0);         ( 638703.1,
4177313.8,      19.2,      19.2,       0.0);
     ( 638681.9, 4177303.6,      19.4,      19.4,       0.0);         ( 638660.7,
4177293.3,      19.8,      19.8,       0.0);
     ( 638639.5, 4177283.1,      20.0,      20.0,       0.0);         ( 638618.3,
4177272.9,      20.0,      20.0,       0.0);
     ( 638597.1, 4177262.7,      20.3,      20.3,       0.0);         ( 638575.9,
4177252.5,      20.2,      20.2,       0.0);
     ( 638554.7, 4177242.2,      20.4,      20.4,       0.0);         ( 638735.2,
4177301.5,      19.4,      19.4,       0.0);
     ( 638714.0, 4177291.3,      19.4,      19.4,       0.0);         ( 638692.7,
4177281.1,      19.6,      19.6,       0.0);
     ( 638671.5, 4177270.8,      19.8,      19.8,       0.0);         ( 638650.3,
4177260.6,      20.0,      20.0,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638629.1, 4177250.4, 20.2, 20.2, 0.0); (638607.9, 4177240.2, 20.2, 20.2, 0.0);
(638586.7, 4177229.9, 20.2, 20.2, 0.0); (638565.5, 4177219.7, 20.2, 20.2, 0.0);
(638510.9, 4177276.3, 20.0, 20.0, 0.0); (638488.7, 4177265.3, 19.9, 19.9, 0.0);
(638466.4, 4177254.2, 20.0, 20.0, 0.0); (638444.1, 4177243.2, 20.1, 20.1, 0.0);
(638421.8, 4177232.1, 20.2, 20.2, 0.0); (638399.6, 4177221.1, 20.2, 20.2, 0.0);
(638377.3, 4177210.0, 20.3, 20.3, 0.0); (638522.1, 4177253.9, 20.0, 20.0, 0.0);
(638499.8, 4177242.9, 20.0, 20.0, 0.0); (638477.5, 4177231.8, 20.1, 20.1, 0.0);
(638455.2, 4177220.8, 20.1, 20.1, 0.0); (638433.0, 4177209.8, 20.2, 20.2, 0.0);
(638410.7, 4177198.7, 20.2, 20.2, 0.0); (638388.4, 4177187.7, 20.2, 20.2, 0.0);
(638533.2, 4177231.6, 20.1, 20.1, 0.0); (638510.9, 4177220.5, 20.1, 20.1, 0.0);
(638488.6, 4177209.5, 20.3, 20.3, 0.0); (638466.3, 4177198.4, 20.3, 20.3, 0.0);
(638444.1, 4177187.4, 20.4, 20.4, 0.0); (638421.8, 4177176.3, 20.4, 20.4, 0.0);
(638399.5, 4177165.3, 20.2, 20.2, 0.0); (638544.3, 4177209.2, 20.2, 20.2, 0.0);
(638522.0, 4177198.1, 20.3, 20.3, 0.0); (638499.7, 4177187.1, 20.3, 20.3, 0.0);
(638477.4, 4177176.0, 20.2, 20.2, 0.0); (638455.2, 4177165.0, 20.2, 20.2, 0.0);
(638432.9, 4177153.9, 20.2, 20.2, 0.0); (638410.6, 4177142.9, 20.2, 20.2, 0.0);
(638354.7, 4177198.9, 20.5, 20.5, 0.0); (638332.6, 4177188.3, 20.4, 20.4, 0.0);
(638310.5, 4177177.7, 20.6, 20.6, 0.0); (638288.4, 4177167.1, 20.5, 20.5, 0.0);
(638266.4, 4177156.5, 20.8, 20.8, 0.0); (638244.3, 4177145.9, 20.7, 20.7, 0.0);
(638222.2, 4177135.3, 20.6, 20.6, 0.0); (638200.1, 4177124.7, 21.0, 21.0, 0.0);
(638178.0, 4177114.1, 20.9, 20.9, 0.0); (638155.9, 4177103.5, 21.1, 21.1, 0.0);
(638133.8, 4177092.9, 21.0, 21.0, 0.0); (638111.7, 4177082.3, 21.1, 21.1, 0.0);
(638089.6, 4177071.7, 21.0, 21.0, 0.0); (638067.6, 4177061.1, 21.1, 21.1, 0.0);
(638365.5, 4177176.3, 20.4, 20.4, 0.0); (638343.4, 4177165.7, 20.5, 20.5, 0.0);
(638321.3, 4177155.1, 20.5, 20.5, 0.0); (638299.2, 4177144.5, 20.6, 20.6, 0.0);
(638277.2, 4177133.9, 20.9, 20.9, 0.0); (638255.1,

```
4177123.3,      20.9,      20.9,       0.0);
     ( 638233.0, 4177112.8,      21.0,      21.0,       0.0);         ( 638210.9,
4177102.2,      21.3,      21.3,       0.0);
     ( 638188.8, 4177091.6,      21.2,      21.2,       0.0);         ( 638166.7,
4177081.0,      21.2,      21.2,       0.0);
     ( 638144.6, 4177070.4,      21.3,      21.3,       0.0);         ( 638122.5,
4177059.8,      21.3,      21.3,       0.0);
     ( 638100.5, 4177049.2,      21.1,      21.1,       0.0);         ( 638078.4,
4177038.6,      21.2,      21.2,       0.0);
     ( 638376.3, 4177153.8,      20.4,      20.4,       0.0);         ( 638354.2,
4177143.2,      20.6,      20.6,       0.0);
     ( 638332.2, 4177132.6,      20.5,      20.5,       0.0);         ( 638310.1,
4177122.0,      20.9,      20.9,       0.0);
     ( 638288.0, 4177111.4,      20.9,      20.9,       0.0);         ( 638265.9,
4177100.8,      21.0,      21.0,       0.0);
     ( 638243.8, 4177090.2,      21.1,      21.1,       0.0);         ( 638221.7,
4177079.6,      21.2,      21.2,       0.0);
     ( 638199.6, 4177069.0,      21.5,      21.5,       0.0);         ( 638177.5,
4177058.4,      21.5,      21.5,       0.0);
     ( 638155.4, 4177047.8,      21.6,      21.6,       0.0);         ( 638133.4,
4177037.2,      21.3,      21.3,       0.0);
     ( 638111.3, 4177026.7,      21.4,      21.4,       0.0);         ( 638089.2,
4177016.1,      21.4,      21.4,       0.0);
     ( 638387.1, 4177131.2,      20.3,      20.3,       0.0);         ( 638365.1,
4177120.6,      20.4,      20.4,       0.0);
     ( 638343.0, 4177110.0,      20.5,      20.5,       0.0);         ( 638320.9,
4177099.4,      20.8,      20.8,       0.0);
     ( 638298.8, 4177088.9,      20.9,      20.9,       0.0);         ( 638276.7,
4177078.3,      20.8,      20.8,       0.0);
     ( 638254.6, 4177067.7,      20.9,      20.9,       0.0);         ( 638232.5,
4177057.1,      21.2,      21.2,       0.0);
     ( 638210.4, 4177046.5,      21.5,      21.5,       0.0);         ( 638188.3,
4177035.9,      21.6,      21.6,       0.0);
     ( 638166.2, 4177025.3,      21.6,      21.6,       0.0);         ( 638144.2,
4177014.7,      21.8,      21.8,       0.0);
     ( 638122.1, 4177004.1,      21.6,      21.6,       0.0);         ( 638100.0,
4176993.5,      21.4,      21.4,       0.0);
     ( 638046.0, 4177050.1,      21.3,      21.3,       0.0);         ( 638024.0,
4177038.8,      21.1,      21.1,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638001.9, 4177027.5, 21.4, 21.4, 0.0); (637979.8, 4177016.2, 21.5, 21.5, 0.0);
(637957.7, 4177004.9, 21.6, 21.6, 0.0); (637935.6, 4176993.6, 21.6, 21.6, 0.0);
(637913.5, 4176982.3, 21.2, 21.2, 0.0); (637891.4, 4176971.0, 21.2, 21.2, 0.0);
(637869.4, 4176959.7, 21.2, 21.2, 0.0); (637847.3, 4176948.4, 21.1, 21.1, 0.0);
(637825.2, 4176937.1, 20.7, 20.7, 0.0); (637803.1, 4176925.8, 20.7, 20.7, 0.0);
(637781.0, 4176914.5, 20.7, 20.7, 0.0); (637758.9, 4176903.2, 20.6, 20.6, 0.0);
(637736.8, 4176891.9, 20.6, 20.6, 0.0); (637714.7, 4176880.6, 20.8, 20.8, 0.0);
(638057.4, 4177027.9, 21.4, 21.4, 0.0); (638035.3, 4177016.6, 21.1, 21.1, 0.0);
(638013.2, 4177005.3, 21.5, 21.5, 0.0); (637991.2, 4176994.0, 21.1, 21.1, 0.0);
(637969.1, 4176982.7, 21.5, 21.5, 0.0); (637947.0, 4176971.4, 21.4, 21.4, 0.0);
(637924.9, 4176960.1, 21.2, 21.2, 0.0); (637902.8, 4176948.8, 21.5, 21.5, 0.0);
(637880.7, 4176937.5, 21.8, 21.8, 0.0); (637858.7, 4176926.2, 21.7, 21.7, 0.0);
(637836.6, 4176914.8, 21.7, 21.7, 0.0); (637814.5, 4176903.5, 21.6, 21.6, 0.0);
(637792.4, 4176892.2, 21.6, 21.6, 0.0); (637770.3, 4176880.9, 21.6, 21.6, 0.0);
(637748.2, 4176869.6, 21.6, 21.6, 0.0); (637726.1, 4176858.3, 21.6, 21.6, 0.0);
(638068.8, 4177005.6, 21.4, 21.4, 0.0); (638046.7, 4176994.3, 21.7, 21.7, 0.0);
(638024.6, 4176983.0, 21.3, 21.3, 0.0); (638002.6, 4176971.7, 21.3, 21.3, 0.0);
(637980.5, 4176960.4, 21.5, 21.5, 0.0); (637958.4, 4176949.1, 21.6, 21.6, 0.0);
(637936.3, 4176937.8, 21.0, 21.0, 0.0); (637914.2, 4176926.5, 21.1, 21.1, 0.0);
(637892.1, 4176915.2, 22.0, 22.0, 0.0); (637870.0, 4176903.9, 21.9, 21.9, 0.0);
(637848.0, 4176892.6, 21.7, 21.7, 0.0); (637825.9, 4176881.3, 21.6, 21.6, 0.0);
(637803.8, 4176870.0, 21.5, 21.5, 0.0); (637781.7, 4176858.7, 21.5, 21.5, 0.0);
(637759.6, 4176847.4, 21.4, 21.4, 0.0); (637737.5, 4176836.1, 21.4, 21.4, 0.0);
(638058.1, 4176972.1, 21.7, 21.7, 0.0); (638036.0, 4176960.8, 21.4, 21.4, 0.0);
(638014.0, 4176949.5, 21.6, 21.6, 0.0); (637991.9, 4176938.2, 21.3, 21.3, 0.0);
(637969.8, 4176926.9, 21.7, 21.7, 0.0); (637947.7,

```
4176915.5,      21.2,      21.2,       0.0);
     ( 637925.6, 4176904.2,      20.9,      20.9,       0.0);         ( 637903.5,
4176892.9,      21.5,      21.5,       0.0);
     ( 637881.4, 4176881.6,      21.6,      21.6,       0.0);         ( 637859.3,
4176870.3,      21.6,      21.6,       0.0);
     ( 637837.2, 4176859.0,      21.6,      21.6,       0.0);         ( 637815.2,
4176847.7,      21.6,      21.6,       0.0);
     ( 637793.1, 4176836.4,      21.6,      21.6,       0.0);         ( 637771.0,
4176825.1,      21.5,      21.5,       0.0);
     ( 637748.9, 4176813.8,      21.3,      21.3,       0.0);         ( 637693.3,
4176869.9,      20.9,      20.9,       0.0);
     ( 637672.1, 4176859.3,      21.0,      21.0,       0.0);         ( 637650.9,
4176848.8,      21.0,      21.0,       0.0);
     ( 637629.7, 4176838.2,      21.0,      21.0,       0.0);         ( 637608.5,
4176827.7,      21.1,      21.1,       0.0);
     ( 637587.3, 4176817.1,      21.2,      21.2,       0.0);         ( 637566.1,
4176806.5,      21.2,      21.2,       0.0);
     ( 637544.9, 4176796.0,      21.3,      21.3,       0.0);         ( 637523.7,
4176785.4,      21.3,      21.3,       0.0);
     ( 637502.5, 4176774.8,      21.3,      21.3,       0.0);         ( 637481.3,
4176764.3,      21.5,      21.5,       0.0);
     ( 637460.2, 4176753.7,      21.6,      21.6,       0.0);         ( 637439.0,
4176743.1,      21.6,      21.6,       0.0);
     ( 637417.8, 4176732.6,      21.7,      21.7,       0.0);         ( 637396.6,
4176722.0,      21.6,      21.6,       0.0);
     ( 637375.4, 4176711.4,      21.5,      21.5,       0.0);         ( 637354.2,
4176700.9,      21.2,      21.2,       0.0);
     ( 637333.0, 4176690.3,      21.1,      21.1,       0.0);         ( 637704.5,
4176847.5,      21.6,      21.6,       0.0);
     ( 637683.3, 4176837.0,      21.6,      21.6,       0.0);         ( 637662.1,
4176826.4,      21.7,      21.7,       0.0);
     ( 637640.9, 4176815.8,      21.8,      21.8,       0.0);         ( 637619.7,
4176805.3,      21.7,      21.7,       0.0);
     ( 637598.5, 4176794.7,      21.7,      21.7,       0.0);         ( 637577.3,
4176784.1,      21.8,      21.8,       0.0);
     ( 637556.1, 4176773.6,      21.9,      21.9,       0.0);         ( 637534.9,
4176763.0,      21.8,      21.8,       0.0);
     ( 637513.7, 4176752.5,      21.8,      21.8,       0.0);         ( 637492.5,
4176741.9,      21.8,      21.8,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637471.3, 4176731.3, 21.7, 21.7, 0.0); (637450.1, 4176720.8, 21.7, 21.7, 0.0);
(637428.9, 4176710.2, 21.7, 21.7, 0.0); (637407.7, 4176699.6, 21.6, 21.6, 0.0);
(637386.5, 4176689.1, 21.5, 21.5, 0.0); (637365.3, 4176678.5, 21.4, 21.4, 0.0);
(637344.1, 4176667.9, 21.4, 21.4, 0.0); (637715.6, 4176825.2, 21.4, 21.4, 0.0);
(637694.4, 4176814.6, 21.3, 21.3, 0.0); (637673.2, 4176804.0, 21.7, 21.7, 0.0);
(637652.0, 4176793.5, 21.8, 21.8, 0.0); (637630.8, 4176782.9, 21.5, 21.5, 0.0);
(637609.6, 4176772.3, 21.3, 21.3, 0.0); (637588.4, 4176761.8, 21.4, 21.4, 0.0);
(637567.2, 4176751.2, 21.5, 21.5, 0.0); (637546.0, 4176740.6, 21.4, 21.4, 0.0);
(637524.8, 4176730.1, 21.4, 21.4, 0.0); (637503.7, 4176719.5, 21.3, 21.3, 0.0);
(637482.5, 4176709.0, 21.3, 21.3, 0.0); (637461.2, 4176698.4, 21.3, 21.3, 0.0);
(637440.1, 4176687.8, 21.4, 21.4, 0.0); (637418.9, 4176677.3, 21.4, 21.4, 0.0);
(637397.7, 4176666.7, 21.3, 21.3, 0.0); (637376.5, 4176656.1, 21.2, 21.2, 0.0);
(637355.3, 4176645.6, 21.2, 21.2, 0.0); (637726.8, 4176802.8, 21.4, 21.4, 0.0);
(637705.6, 4176792.2, 21.2, 21.2, 0.0); (637684.4, 4176781.7, 21.6, 21.6, 0.0);
(637663.2, 4176771.1, 21.8, 21.8, 0.0); (637642.0, 4176760.5, 21.1, 21.1, 0.0);
(637620.8, 4176750.0, 21.3, 21.3, 0.0); (637599.6, 4176739.4, 21.4, 21.4, 0.0);
(637578.4, 4176728.8, 21.5, 21.5, 0.0); (637557.2, 4176718.3, 21.5, 21.5, 0.0);
(637536.0, 4176707.7, 21.4, 21.4, 0.0); (637514.8, 4176697.1, 21.3, 21.3, 0.0);
(637493.6, 4176686.6, 20.9, 20.9, 0.0); (637472.4, 4176676.0, 21.3, 21.3, 0.0);
(637451.2, 4176665.4, 21.5, 21.5, 0.0); (637430.0, 4176654.9, 21.3, 21.3, 0.0);
(637408.8, 4176644.3, 21.3, 21.3, 0.0); (637387.6, 4176633.8, 21.3, 21.3, 0.0);
(637366.4, 4176623.2, 21.3, 21.3, 0.0); (637311.3, 4176679.5, 21.1, 21.1, 0.0);
(637289.6, 4176668.6, 21.1, 21.1, 0.0); (637267.9, 4176657.7, 20.9, 20.9, 0.0);
(637246.2, 4176646.8, 20.7, 20.7, 0.0); (637224.5, 4176635.9, 20.8, 21.9, 0.0);
(637202.8, 4176625.0, 22.1, 22.1, 0.0); (637181.1, 4176614.1, 20.7, 20.7, 0.0);
(637159.4, 4176603.2, 20.6, 20.6, 0.0); (637137.7,

```
4176592.3,      20.7,      20.7,       0.0);
     ( 637116.0, 4176581.4,      20.6,      20.6,       0.0);         ( 637094.3,
4176570.5,      20.4,      20.4,       0.0);
     ( 637072.6, 4176559.6,      20.4,      20.4,       0.0);         ( 637050.9,
4176548.7,      20.4,      20.4,       0.0);
     ( 637029.2, 4176537.8,      20.4,      20.4,       0.0);         ( 637007.5,
4176526.9,      20.5,      20.5,       0.0);
     ( 636985.8, 4176516.0,      20.5,      20.5,       0.0);         ( 636964.1,
4176505.1,      20.5,      20.5,       0.0);
     ( 636942.4, 4176494.2,      20.5,      20.5,       0.0);         ( 636920.7,
4176483.3,      20.5,      20.5,       0.0);
     ( 636899.0, 4176472.4,      20.6,      20.6,       0.0);         ( 636877.3,
4176461.5,      20.5,      20.5,       0.0);
     ( 637322.6, 4176657.1,      21.4,      21.4,       0.0);         ( 637300.8,
4176646.2,      21.4,      21.4,       0.0);
     ( 637279.1, 4176635.3,      21.5,      21.5,       0.0);         ( 637257.4,
4176624.4,      21.3,      21.5,       0.0);
     ( 637235.7, 4176613.5,      21.1,      21.3,       0.0);         ( 637214.0,
4176602.6,      21.7,      21.7,       0.0);
     ( 637192.3, 4176591.7,      21.0,      21.0,       0.0);         ( 637170.6,
4176580.8,      20.9,      20.9,       0.0);
     ( 637148.9, 4176569.9,      20.9,      20.9,       0.0);         ( 637127.2,
4176559.0,      20.6,      20.6,       0.0);
     ( 637105.5, 4176548.2,      20.4,      20.4,       0.0);         ( 637083.8,
4176537.3,      20.5,      20.5,       0.0);
     ( 637062.1, 4176526.4,      20.6,      20.6,       0.0);         ( 637040.4,
4176515.5,      20.8,      20.8,       0.0);
     ( 637018.7, 4176504.6,      20.8,      20.8,       0.0);         ( 636997.0,
4176493.7,      20.8,      20.8,       0.0);
     ( 636975.3, 4176482.8,      20.8,      20.8,       0.0);         ( 636953.6,
4176471.9,      20.9,      20.9,       0.0);
     ( 636931.9, 4176461.0,      20.9,      20.9,       0.0);         ( 636910.2,
4176450.1,      20.8,      20.8,       0.0);
     ( 636888.5, 4176439.2,      20.8,      20.8,       0.0);         ( 637333.8,
4176634.8,      21.3,      21.3,       0.0);
     ( 637312.1, 4176623.9,      21.3,      21.3,       0.0);         ( 637290.4,
4176613.0,      21.2,      21.2,       0.0);
     ( 637268.7, 4176602.1,      20.6,      21.0,       0.0);         ( 637247.0,
4176591.2,      20.9,      20.9,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637225.2, 4176580.3, 21.3, 21.3, 0.0); (637203.6, 4176569.4, 21.6, 21.6, 0.0);
(637181.8, 4176558.5, 21.2, 21.2, 0.0); (637160.1, 4176547.6, 21.4, 21.4, 0.0);
(637138.4, 4176536.7, 21.4, 21.4, 0.0); (637116.7, 4176525.8, 20.6, 20.6, 0.0);
(637095.0, 4176514.9, 20.7, 20.7, 0.0); (637073.3, 4176504.0, 20.7, 20.7, 0.0);
(637051.6, 4176493.1, 20.4, 20.4, 0.0); (637029.9, 4176482.2, 20.6, 20.6, 0.0);
(637008.2, 4176471.3, 20.7, 20.7, 0.0); (636986.5, 4176460.4, 20.7, 20.7, 0.0);
(636964.8, 4176449.5, 20.6, 20.6, 0.0); (636943.1, 4176438.6, 20.6, 20.6, 0.0);
(636921.4, 4176427.8, 20.7, 20.7, 0.0); (636899.7, 4176416.9, 20.6, 20.6, 0.0);
(637345.0, 4176612.4, 21.2, 21.2, 0.0); (637323.3, 4176601.5, 21.2, 21.2, 0.0);
(637301.6, 4176590.6, 21.3, 21.3, 0.0); (637279.9, 4176579.7, 19.7, 21.3, 0.0);
(637258.2, 4176568.8, 20.9, 20.9, 0.0); (637236.5, 4176557.9, 21.4, 21.4, 0.0);
(637214.8, 4176547.0, 21.4, 21.4, 0.0); (637193.1, 4176536.2, 21.2, 21.2, 0.0);
(637171.4, 4176525.3, 21.1, 21.1, 0.0); (637149.7, 4176514.4, 21.5, 21.5, 0.0);
(637128.0, 4176503.5, 20.8, 20.8, 0.0); (637106.2, 4176492.6, 20.9, 20.9, 0.0);
(637084.5, 4176481.7, 20.7, 20.7, 0.0); (637062.8, 4176470.8, 20.6, 20.6, 0.0);
(637041.1, 4176459.9, 20.7, 20.7, 0.0); (637019.4, 4176449.0, 20.8, 20.8, 0.0);
(636997.7, 4176438.1, 20.9, 20.9, 0.0); (636976.0, 4176427.2, 20.7, 20.7, 0.0);
(636954.3, 4176416.3, 20.8, 20.8, 0.0); (636932.6, 4176405.4, 21.0, 21.0, 0.0);
(636910.9, 4176394.5, 20.8, 20.8, 0.0); (636855.8, 4176450.7, 20.5, 20.5, 0.0);
(636834.2, 4176439.8, 20.5, 20.5, 0.0); (636812.7, 4176429.0, 20.7, 20.7, 0.0);
(636791.1, 4176418.1, 20.7, 20.7, 0.0); (636769.6, 4176407.2, 20.7, 20.7, 0.0);
(636748.0, 4176396.4, 20.5, 20.5, 0.0); (636726.5, 4176385.5, 20.6, 20.6, 0.0);
(636704.9, 4176374.6, 20.6, 20.6, 0.0); (636683.4, 4176363.8, 20.6, 20.6, 0.0);
(636661.8, 4176352.9, 20.6, 20.6, 0.0); (636640.3, 4176342.0, 20.5, 20.5, 0.0);
(636618.8, 4176331.2, 20.6, 20.6, 0.0); (636597.2, 4176320.3, 20.6, 20.6, 0.0);
(636575.7, 4176309.4, 20.7, 20.7, 0.0); (636554.1,

```
4176298.6,      20.6,      20.6,       0.0);
     ( 636532.6, 4176287.7,      20.7,      20.7,       0.0);         ( 636511.0,
4176276.8,      20.7,      20.7,       0.0);
     ( 636489.5, 4176266.0,      20.7,      20.7,       0.0);         ( 636467.9,
4176255.1,      20.7,      20.7,       0.0);
     ( 636446.4, 4176244.2,      20.8,      20.8,       0.0);         ( 636424.8,
4176233.4,      20.8,      20.8,       0.0);
     ( 636403.3, 4176222.5,      20.8,      20.8,       0.0);         ( 636381.7,
4176211.6,      20.9,      20.9,       0.0);
     ( 636360.2, 4176200.8,      21.1,      21.1,       0.0);         ( 636338.6,
4176189.9,      21.5,      21.5,       0.0);
     ( 636867.0, 4176428.4,      20.8,      20.8,       0.0);         ( 636845.5,
4176417.5,      20.9,      20.9,       0.0);
     ( 636823.9, 4176406.6,      21.0,      21.0,       0.0);         ( 636802.4,
4176395.8,      21.1,      21.1,       0.0);
     ( 636780.8, 4176384.9,      21.2,      21.2,       0.0);         ( 636759.3,
4176374.0,      20.9,      20.9,       0.0);
     ( 636737.7, 4176363.2,      20.8,      20.8,       0.0);         ( 636716.2,
4176352.3,      20.8,      20.8,       0.0);
     ( 636694.6, 4176341.4,      20.7,      20.7,       0.0);         ( 636673.1,
4176330.6,      20.7,      20.7,       0.0);
     ( 636651.6, 4176319.7,      20.7,      20.7,       0.0);         ( 636630.0,
4176308.8,      20.7,      20.7,       0.0);
     ( 636608.5, 4176298.0,      20.8,      20.8,       0.0);         ( 636586.9,
4176287.1,      20.9,      20.9,       0.0);
     ( 636565.4, 4176276.2,      21.1,      21.1,       0.0);         ( 636543.8,
4176265.4,      21.1,      21.1,       0.0);
     ( 636522.3, 4176254.5,      21.1,      21.1,       0.0);         ( 636500.7,
4176243.6,      21.2,      21.2,       0.0);
     ( 636479.2, 4176232.8,      21.3,      21.3,       0.0);         ( 636457.6,
4176221.9,      21.4,      21.4,       0.0);
     ( 636436.1, 4176211.0,      21.6,      21.6,       0.0);         ( 636414.5,
4176200.2,      21.9,      21.9,       0.0);
     ( 636393.0, 4176189.3,      21.9,      21.9,       0.0);         ( 636371.4,
4176178.4,      21.8,      21.8,       0.0);
     ( 636349.9, 4176167.6,      21.5,      21.5,       0.0);         ( 636878.3,
4176406.0,      20.6,      20.6,       0.0);
     ( 636856.7, 4176395.2,      20.7,      20.7,       0.0);         ( 636835.2,
4176384.3,      20.9,      20.9,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(636813.6, 4176373.4, 20.9, 20.9, 0.0); (636792.1, 4176362.6, 21.2, 21.2, 0.0);
(636770.5, 4176351.7, 21.0, 21.0, 0.0); (636749.0, 4176340.9, 20.6, 20.6, 0.0);
(636727.5, 4176330.0, 20.5, 20.5, 0.0); (636705.9, 4176319.1, 20.5, 20.5, 0.0);
(636684.4, 4176308.3, 20.5, 20.5, 0.0); (636662.8, 4176297.4, 20.5, 20.5, 0.0);
(636641.3, 4176286.5, 20.5, 20.5, 0.0); (636619.7, 4176275.7, 20.6, 20.6, 0.0);
(636598.2, 4176264.8, 20.7, 20.7, 0.0); (636576.6, 4176253.9, 20.8, 20.8, 0.0);
(636555.1, 4176243.1, 20.8, 20.8, 0.0); (636533.5, 4176232.2, 20.9, 20.9, 0.0);
(636512.0, 4176221.3, 21.0, 21.0, 0.0); (636490.4, 4176210.5, 21.1, 21.1, 0.0);
(636468.9, 4176199.6, 21.1, 21.1, 0.0); (636447.3, 4176188.7, 21.6, 21.6, 0.0);
(636425.8, 4176177.9, 22.0, 22.0, 0.0); (636404.2, 4176167.0, 21.7, 21.7, 0.0);
(636382.7, 4176156.1, 21.6, 21.6, 0.0); (636361.2, 4176145.3, 21.9, 21.9, 0.0);
(636889.5, 4176383.7, 20.7, 20.7, 0.0); (636868.0, 4176372.9, 20.9, 20.9, 0.0);
(636846.4, 4176362.0, 21.1, 21.1, 0.0); (636824.9, 4176351.1, 20.9, 20.9, 0.0);
(636803.4, 4176340.3, 21.2, 21.2, 0.0); (636781.8, 4176329.4, 21.0, 21.0, 0.0);
(636760.2, 4176318.5, 20.6, 20.6, 0.0); (636738.7, 4176307.7, 20.6, 20.6, 0.0);
(636717.2, 4176296.8, 20.8, 20.8, 0.0); (636695.6, 4176285.9, 20.6, 20.6, 0.0);
(636674.1, 4176275.1, 20.6, 20.6, 0.0); (636652.5, 4176264.2, 20.8, 20.8, 0.0);
(636631.0, 4176253.3, 21.0, 21.0, 0.0); (636609.4, 4176242.5, 20.6, 20.6, 0.0);
(636587.9, 4176231.6, 21.0, 21.0, 0.0); (636566.3, 4176220.7, 21.0, 21.0, 0.0);
(636544.8, 4176209.9, 21.0, 21.0, 0.0); (636523.2, 4176199.0, 21.1, 21.1, 0.0);
(636501.7, 4176188.1, 21.4, 21.4, 0.0); (636480.1, 4176177.3, 21.0, 21.0, 0.0);
(636458.6, 4176166.4, 21.5, 21.5, 0.0); (636437.1, 4176155.5, 21.8, 21.8, 0.0);
(636415.5, 4176144.7, 21.7, 21.7, 0.0); (636394.0, 4176133.8, 21.4, 21.4, 0.0);
(636372.4, 4176122.9, 22.0, 22.0, 0.0); (636311.8, 4176274.7, 20.8, 20.8, 0.0);
(636333.6, 4176285.8, 21.4, 21.4, 0.0); (636355.4, 4176296.8, 20.6, 20.6, 0.0);
(636377.1, 4176307.8, 20.3, 20.3, 0.0); (636398.9,

```
4176318.8,      20.2,      20.2,       0.0);
     ( 636420.7, 4176329.9,      20.2,      20.2,       0.0);         ( 636442.5,
4176340.9,      20.2,      20.2,       0.0);
     ( 636464.3, 4176351.9,      20.1,      20.1,       0.0);         ( 636486.1,
4176362.9,      20.2,      20.2,       0.0);
     ( 636507.9, 4176373.9,      20.2,      20.2,       0.0);         ( 636529.7,
4176385.0,      20.2,      20.2,       0.0);
     ( 636551.5, 4176396.0,      20.2,      20.2,       0.0);         ( 636573.3,
4176407.0,      20.1,      20.1,       0.0);
     ( 636595.1, 4176418.0,      20.1,      20.1,       0.0);         ( 636616.9,
4176429.1,      20.1,      20.1,       0.0);
     ( 636638.6, 4176440.1,      20.1,      20.1,       0.0);         ( 636660.4,
4176451.1,      20.2,      20.2,       0.0);
     ( 636682.2, 4176462.1,      20.0,      20.0,       0.0);         ( 636704.0,
4176473.2,      20.0,      20.0,       0.0);
     ( 636725.8, 4176484.2,      19.8,      19.8,       0.0);         ( 636747.6,
4176495.2,      19.8,      19.8,       0.0);
     ( 636769.4, 4176506.2,      20.0,      20.0,       0.0);         ( 636791.2,
4176517.3,      20.0,      20.0,       0.0);
     ( 636813.0, 4176528.3,      20.2,      20.2,       0.0);         ( 636834.8,
4176539.3,      20.3,      20.3,       0.0);
     ( 636856.6, 4176550.3,      20.2,      20.2,       0.0);         ( 636878.3,
4176561.3,      20.3,      20.3,       0.0);
     ( 636900.1, 4176572.4,      20.3,      20.3,       0.0);         ( 636921.9,
4176583.4,      20.3,      20.3,       0.0);
     ( 636943.7, 4176594.4,      20.3,      20.3,       0.0);         ( 636965.5,
4176605.4,      20.2,      20.2,       0.0);
     ( 636987.3, 4176616.5,      20.2,      20.2,       0.0);         ( 637009.1,
4176627.5,      20.4,      20.4,       0.0);
     ( 637030.9, 4176638.5,      20.5,      20.5,       0.0);         ( 637052.7,
4176649.5,      20.4,      20.4,       0.0);
     ( 637074.5, 4176660.6,      20.4,      20.4,       0.0);         ( 637096.2,
4176671.6,      20.4,      20.4,       0.0);
     ( 637118.0, 4176682.6,      20.6,      20.6,       0.0);         ( 637139.8,
4176693.6,      21.2,      21.2,       0.0);
     ( 636289.8, 4176286.7,      20.6,      20.6,       0.0);         ( 636322.3,
4176308.1,      20.8,      20.8,       0.0);
     ( 636344.1, 4176319.1,      20.6,      20.6,       0.0);         ( 636365.9,
4176330.1,      20.1,      20.1,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(636387.7, 4176341.1, 20.1, 20.1, 0.0); (636409.4, 4176352.2, 20.1, 20.1, 0.0);
(636431.2, 4176363.2, 19.9, 19.9, 0.0); (636453.0, 4176374.2, 19.9, 19.9, 0.0);
(636474.8, 4176385.2, 19.9, 19.9, 0.0); (636496.6, 4176396.3, 19.8, 19.8, 0.0);
(636518.4, 4176407.3, 19.8, 19.8, 0.0); (636540.2, 4176418.3, 19.8, 19.8, 0.0);
(636562.0, 4176429.3, 19.9, 19.9, 0.0); (636583.8, 4176440.4, 19.8, 19.8, 0.0);
(636605.6, 4176451.4, 19.8, 19.8, 0.0); (636627.4, 4176462.4, 19.9, 19.9, 0.0);
(636649.1, 4176473.4, 19.8, 19.8, 0.0); (636670.9, 4176484.4, 19.9, 19.9, 0.0);
(636692.7, 4176495.5, 19.9, 19.9, 0.0); (636714.5, 4176506.5, 19.8, 19.8, 0.0);
(636736.3, 4176517.5, 19.8, 19.8, 0.0); (636758.1, 4176528.5, 19.9, 19.9, 0.0);
(636779.9, 4176539.6, 19.9, 19.9, 0.0); (636801.7, 4176550.6, 20.0, 20.0, 0.0);
(636823.5, 4176561.6, 20.1, 20.1, 0.0); (636845.3, 4176572.6, 20.1, 20.1, 0.0);
(636867.1, 4176583.7, 20.2, 20.2, 0.0); (636888.9, 4176594.7, 20.1, 20.1, 0.0);
(636910.6, 4176605.7, 20.1, 20.1, 0.0); (636932.4, 4176616.7, 20.1, 20.1, 0.0);
(636954.2, 4176627.8, 19.9, 19.9, 0.0); (636976.0, 4176638.8, 19.9, 19.9, 0.0);
(636997.8, 4176649.8, 19.8, 19.8, 0.0); (637019.6, 4176660.8, 19.8, 19.8, 0.0);
(637041.4, 4176671.8, 19.8, 19.8, 0.0); (637063.2, 4176682.9, 20.1, 20.1, 0.0);
(637085.0, 4176693.9, 19.6, 19.6, 0.0); (637106.8, 4176704.9, 20.1, 20.1, 0.0);
(637128.6, 4176715.9, 21.0, 21.0, 0.0); (636273.2, 4176303.8, 19.9, 19.9, 0.0);
(636311.0, 4176330.4, 20.6, 20.6, 0.0); (636332.8, 4176341.4, 20.7, 20.7, 0.0);
(636354.6, 4176352.4, 20.0, 20.0, 0.0); (636376.4, 4176363.4, 19.7, 19.7, 0.0);
(636398.2, 4176374.5, 19.6, 19.6, 0.0); (636420.0, 4176385.5, 19.5, 19.5, 0.0);
(636441.7, 4176396.5, 19.4, 19.4, 0.0); (636463.5, 4176407.5, 19.4, 19.4, 0.0);
(636485.3, 4176418.6, 19.3, 19.3, 0.0); (636507.1, 4176429.6, 19.2, 19.2, 0.0);
(636528.9, 4176440.6, 19.2, 19.2, 0.0); (636550.7, 4176451.6, 19.1, 19.1, 0.0);
(636572.5, 4176462.7, 19.0, 19.0, 0.0); (636594.3, 4176473.7, 19.4, 19.4, 0.0);
(636616.1, 4176484.7, 19.8, 19.8, 0.0); (636637.9,

4176495.7,   19.6,   19.6,   0.0);
     (636659.7, 4176506.8,   19.4,   19.4,   0.0);   (636681.4,
4176517.8,   19.9,   19.9,   0.0);
     (636703.2, 4176528.8,   19.7,   19.7,   0.0);   (636725.0,
4176539.8,   19.2,   19.2,   0.0);
     (636746.8, 4176550.8,   19.3,   19.3,   0.0);   (636768.6,
4176561.9,   19.4,   19.4,   0.0);
     (636790.4, 4176572.9,   19.4,   19.4,   0.0);   (636812.2,
4176583.9,   19.5,   19.5,   0.0);
     (636834.0, 4176594.9,   19.6,   19.6,   0.0);   (636855.8,
4176606.0,   19.7,   19.7,   0.0);
     (636877.6, 4176617.0,   19.6,   19.6,   0.0);   (636899.4,
4176628.0,   19.5,   19.5,   0.0);
     (636921.1, 4176639.0,   19.4,   19.4,   0.0);   (636942.9,
4176650.1,   19.4,   19.4,   0.0);
     (636964.7, 4176661.1,   19.3,   19.3,   0.0);   (636986.5,
4176672.1,   19.3,   19.3,   0.0);
     (637008.3, 4176683.1,   19.6,   19.6,   0.0);   (637030.1,
4176694.2,   19.9,   19.9,   0.0);
     (637051.9, 4176705.2,   19.9,   19.9,   0.0);   (637073.7,
4176716.2,   19.3,   19.3,   0.0);
     (637095.5, 4176727.2,   19.9,   19.9,   0.0);   (637117.3,
4176738.2,   20.4,   20.4,   0.0);
     (636263.7, 4176327.8,   19.6,   19.6,   0.0);   (636299.7,
4176352.7,   20.2,   20.2,   0.0);
     (636321.5, 4176363.7,   20.3,   20.3,   0.0);   (636343.3,
4176374.7,   20.1,   20.1,   0.0);
     (636365.1, 4176385.8,   19.9,   19.9,   0.0);   (636386.9,
4176396.8,   19.8,   19.8,   0.0);
     (636408.7, 4176407.8,   19.5,   19.5,   0.0);   (636430.5,
4176418.8,   19.9,   19.9,   0.0);
     (636452.2, 4176429.9,   19.9,   19.9,   0.0);   (636474.0,
4176440.9,   19.8,   19.8,   0.0);
     (636495.8, 4176451.9,   19.7,   19.7,   0.0);   (636517.6,
4176462.9,   19.6,   19.6,   0.0);
     (636539.4, 4176473.9,   19.6,   19.6,   0.0);   (636561.2,
4176485.0,   19.2,   19.2,   0.0);
     (636583.0, 4176496.0,   19.3,   19.3,   0.0);   (636604.8,
4176507.0,   19.7,   19.7,   0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(636626.6, 4176518.0, 19.6, 19.6, 0.0); (636648.4, 4176529.1, 19.4, 19.4, 0.0);
(636670.2, 4176540.1, 19.8, 19.8, 0.0); (636692.0, 4176551.1, 19.7, 19.7, 0.0);
(636713.7, 4176562.1, 19.1, 19.1, 0.0); (636735.5, 4176573.2, 19.8, 19.8, 0.0);
(636757.3, 4176584.2, 20.0, 20.0, 0.0); (636779.1, 4176595.2, 20.0, 20.0, 0.0);
(636800.9, 4176606.2, 20.0, 20.0, 0.0); (636822.7, 4176617.2, 20.1, 20.1, 0.0);
(636844.5, 4176628.3, 20.1, 20.1, 0.0); (636866.3, 4176639.3, 20.2, 20.2, 0.0);
(636888.1, 4176650.3, 20.1, 20.1, 0.0); (636909.9, 4176661.3, 20.0, 20.0, 0.0);
(636931.7, 4176672.4, 19.9, 19.9, 0.0); (636953.4, 4176683.4, 19.8, 19.8, 0.0);
(636975.2, 4176694.4, 19.7, 19.7, 0.0); (636997.0, 4176705.4, 19.3, 19.3, 0.0);
(637018.8, 4176716.5, 19.1, 19.1, 0.0); (637040.6, 4176727.5, 19.4, 19.4, 0.0);
(637062.4, 4176738.5, 19.3, 19.3, 0.0); (637084.2, 4176749.5, 19.7, 19.7, 0.0);
(637106.0, 4176760.6, 19.9, 19.9, 0.0); (637161.7, 4176704.4, 21.9, 21.9, 0.0);
(637183.3, 4176714.9, 19.0, 22.2, 0.0); (637204.9, 4176725.5, 20.0, 20.0, 0.0);
(637226.5, 4176736.1, 20.2, 20.2, 0.0); (637248.1, 4176746.7, 20.4, 20.4, 0.0);
(637269.7, 4176757.3, 20.5, 20.5, 0.0); (637291.3, 4176767.9, 20.5, 20.5, 0.0);
(637312.9, 4176778.5, 20.5, 20.5, 0.0); (637334.5, 4176789.1, 20.6, 20.6, 0.0);
(637356.1, 4176799.7, 20.6, 20.6, 0.0); (637377.7, 4176810.3, 20.7, 20.7, 0.0);
(637399.3, 4176820.8, 20.6, 20.6, 0.0); (637420.9, 4176831.4, 20.6, 20.6, 0.0);
(637150.7, 4176726.8, 21.3, 21.3, 0.0); (637172.3, 4176737.4, 19.0, 21.6, 0.0);
(637193.9, 4176748.0, 20.0, 20.0, 0.0); (637215.5, 4176758.6, 19.9, 19.9, 0.0);
(637237.1, 4176769.2, 20.0, 20.0, 0.0); (637258.7, 4176779.8, 20.1, 20.1, 0.0);
(637280.3, 4176790.3, 20.2, 20.2, 0.0); (637301.9, 4176800.9, 20.3, 20.3, 0.0);
(637323.5, 4176811.5, 20.3, 20.3, 0.0); (637345.1, 4176822.1, 20.4, 20.4, 0.0);
(637366.7, 4176832.7, 20.5, 20.5, 0.0); (637388.3, 4176843.3, 20.3, 20.3, 0.0);
(637409.9, 4176853.9, 20.1, 20.1, 0.0); (637139.7, 4176749.3, 20.5, 20.5, 0.0);
(637161.3, 4176759.8, 19.4, 19.4, 0.0); (637182.9,

```
4176770.4,      19.7,      19.7,       0.0);
     ( 637204.5, 4176781.0,      19.2,      19.2,       0.0);         ( 637226.1,
4176791.6,      19.4,      19.4,       0.0);
     ( 637247.7, 4176802.2,      19.4,      19.4,       0.0);         ( 637269.3,
4176812.8,      19.5,      19.5,       0.0);
     ( 637290.9, 4176823.4,      19.6,      19.6,       0.0);         ( 637312.5,
4176834.0,      19.7,      19.7,       0.0);
     ( 637334.1, 4176844.6,      19.8,      19.8,       0.0);         ( 637355.7,
4176855.1,      19.9,      19.9,       0.0);
     ( 637377.3, 4176865.7,      19.8,      19.8,       0.0);         ( 637398.9,
4176876.3,      19.7,      19.7,       0.0);
     ( 637128.7, 4176771.7,      19.4,      19.4,       0.0);         ( 637150.3,
4176782.3,      19.8,      19.8,       0.0);
     ( 637171.9, 4176792.9,      19.6,      19.6,       0.0);         ( 637193.5,
4176803.5,      19.3,      19.3,       0.0);
     ( 637215.1, 4176814.1,      19.9,      19.9,       0.0);         ( 637236.7,
4176824.6,      20.0,      20.0,       0.0);
     ( 637258.3, 4176835.2,      20.0,      20.0,       0.0);         ( 637279.9,
4176845.8,      20.1,      20.1,       0.0);
     ( 637301.5, 4176856.4,      20.1,      20.1,       0.0);         ( 637323.1,
4176867.0,      20.2,      20.2,       0.0);
     ( 637344.7, 4176877.6,      20.3,      20.3,       0.0);         ( 637366.3,
4176888.2,      20.3,      20.3,       0.0);
     ( 637387.9, 4176898.8,      20.1,      20.1,       0.0);         ( 637442.9,
4176842.6,      20.4,      20.4,       0.0);
     ( 637465.2, 4176853.9,      20.5,      20.5,       0.0);         ( 637487.5,
4176865.2,      20.5,      20.5,       0.0);
     ( 637509.8, 4176876.5,      20.5,      20.5,       0.0);         ( 637532.1,
4176887.8,      20.6,      20.6,       0.0);
     ( 637554.4, 4176899.0,      20.4,      20.4,       0.0);         ( 637576.7,
4176910.3,      20.2,      20.2,       0.0);
     ( 637599.0, 4176921.6,      20.3,      20.3,       0.0);         ( 637621.3,
4176932.9,      20.2,      20.2,       0.0);
     ( 637643.6, 4176944.2,      20.2,      20.2,       0.0);         ( 637665.9,
4176955.5,      20.1,      20.1,       0.0);
     ( 637688.2, 4176966.8,      20.1,      20.1,       0.0);         ( 637710.5,
4176978.1,      20.1,      20.1,       0.0);
     ( 637732.8, 4176989.4,      20.2,      20.2,       0.0);         ( 637755.1,
4177000.7,      20.2,      20.2,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637777.4, 4177012.0, 20.4, 20.4, 0.0); (637799.6, 4177023.3, 20.1, 20.1, 0.0);
(637821.9, 4177034.6, 20.0, 20.0, 0.0); (637844.2, 4177045.8, 20.1, 20.1, 0.0);
(637866.5, 4177057.1, 20.1, 20.1, 0.0); (637431.6, 4176864.9, 20.1, 20.1, 0.0);
(637453.9, 4176876.2, 20.2, 20.2, 0.0); (637476.2, 4176887.5, 20.2, 20.2, 0.0);
(637498.5, 4176898.8, 20.3, 20.3, 0.0); (637520.8, 4176910.1, 20.3, 20.3, 0.0);
(637543.1, 4176921.3, 20.2, 20.2, 0.0); (637565.4, 4176932.6, 20.3, 20.3, 0.0);
(637587.7, 4176943.9, 20.3, 20.3, 0.0); (637610.0, 4176955.2, 20.3, 20.3, 0.0);
(637632.3, 4176966.5, 20.2, 20.2, 0.0); (637654.6, 4176977.8, 20.1, 20.1, 0.0);
(637676.9, 4176989.1, 20.2, 20.2, 0.0); (637699.2, 4177000.4, 20.1, 20.1, 0.0);
(637721.5, 4177011.7, 20.1, 20.1, 0.0); (637743.8, 4177023.0, 20.0, 20.0, 0.0);
(637766.1, 4177034.3, 20.1, 20.1, 0.0); (637788.4, 4177045.6, 20.0, 20.0, 0.0);
(637810.6, 4177056.9, 19.9, 19.9, 0.0); (637832.9, 4177068.2, 20.0, 20.0, 0.0);
(637855.2, 4177079.4, 20.0, 20.0, 0.0); (637420.3, 4176887.2, 19.5, 19.5, 0.0);
(637442.6, 4176898.5, 19.5, 19.5, 0.0); (637464.9, 4176909.8, 19.6, 19.6, 0.0);
(637487.2, 4176921.1, 19.6, 19.6, 0.0); (637509.5, 4176932.4, 19.7, 19.7, 0.0);
(637531.8, 4176943.7, 19.7, 19.7, 0.0); (637554.1, 4176954.9, 19.8, 19.8, 0.0);
(637576.4, 4176966.2, 19.9, 19.9, 0.0); (637598.7, 4176977.5, 19.9, 19.9, 0.0);
(637621.0, 4176988.8, 19.9, 19.9, 0.0); (637643.3, 4177000.1, 19.8, 19.8, 0.0);
(637665.6, 4177011.4, 19.8, 19.8, 0.0); (637687.9, 4177022.7, 19.7, 19.7, 0.0);
(637710.2, 4177034.0, 19.8, 19.8, 0.0); (637732.5, 4177045.3, 19.6, 19.6, 0.0);
(637754.8, 4177056.6, 20.0, 20.0, 0.0); (637777.1, 4177067.9, 19.9, 19.9, 0.0);
(637799.4, 4177079.2, 19.9, 19.9, 0.0); (637821.7, 4177090.5, 19.9, 19.9, 0.0);
(637843.9, 4177101.8, 20.0, 20.0, 0.0); (637409.0, 4176909.5, 19.7, 19.7, 0.0);
(637431.3, 4176920.8, 19.6, 19.6, 0.0); (637453.6, 4176932.1, 20.1, 20.1, 0.0);
(637475.9, 4176943.4, 20.0, 20.0, 0.0); (637498.2, 4176954.7, 20.1, 20.1, 0.0);
(637520.5, 4176966.0, 19.7, 19.7, 0.0); (637542.8,

```
4176977.2,      19.9,      19.9,       0.0);
     ( 637565.1, 4176988.5,      20.1,      20.1,       0.0);         ( 637587.4,
4176999.8,      20.1,      20.1,       0.0);
     ( 637609.7, 4177011.1,      20.1,      20.1,       0.0);         ( 637632.0,
4177022.4,      20.1,      20.1,       0.0);
     ( 637654.3, 4177033.7,      20.1,      20.1,       0.0);         ( 637676.6,
4177045.0,      20.0,      20.0,       0.0);
     ( 637698.9, 4177056.3,      19.6,      19.6,       0.0);         ( 637721.2,
4177067.6,      19.5,      19.5,       0.0);
     ( 637743.5, 4177078.9,      19.8,      19.8,       0.0);         ( 637765.8,
4177090.2,      20.2,      20.2,       0.0);
     ( 637788.1, 4177101.5,      19.8,      19.8,       0.0);         ( 637810.4,
4177112.8,      19.9,      19.9,       0.0);
     ( 637832.7, 4177124.0,      19.9,      19.9,       0.0);         ( 637902.3,
4177074.8,      20.2,      20.2,       0.0);
     ( 637937.8, 4177092.3,      21.1,      21.1,       0.0);         ( 637891.2,
4177097.2,      19.7,      19.7,       0.0);
     ( 637926.8, 4177114.7,      20.7,      20.7,       0.0);         ( 637880.2,
4177119.6,      19.8,      19.8,       0.0);
     ( 637915.7, 4177137.1,      20.1,      20.1,       0.0);         ( 637869.1,
4177142.0,      19.9,      19.9,       0.0);
     ( 637904.7, 4177159.6,      19.9,      19.9,       0.0);         ( 637958.2,
4177145.7,      20.1,      20.1,       0.0);
     ( 637979.5, 4177156.5,      20.1,      20.1,       0.0);         ( 638000.8,
4177167.3,      19.8,      19.8,       0.0);
     ( 638022.1, 4177178.1,      19.9,      19.9,       0.0);         ( 638043.4,
4177188.9,      20.0,      20.0,       0.0);
     ( 638064.7, 4177199.8,      20.1,      20.1,       0.0);         ( 638086.0,
4177210.6,      20.1,      20.1,       0.0);
     ( 638107.3, 4177221.4,      20.0,      20.0,       0.0);         ( 638128.6,
4177232.2,      19.9,      19.9,       0.0);
     ( 638149.9, 4177243.0,      19.8,      19.8,       0.0);         ( 638171.2,
4177253.8,      19.9,      19.9,       0.0);
     ( 638192.5, 4177264.6,      20.0,      20.0,       0.0);         ( 638213.8,
4177275.4,      20.1,      20.1,       0.0);
     ( 638235.1, 4177286.2,      20.2,      20.2,       0.0);         ( 638256.4,
4177297.0,      20.1,      20.1,       0.0);
     ( 638277.8, 4177307.8,      20.0,      20.0,       0.0);         ( 637946.9,
4177168.0,      20.0,      20.0,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637968.2, 4177178.8, 19.9, 19.9, 0.0); (637989.5, 4177189.6, 19.6, 19.6, 0.0);
(638010.8, 4177200.4, 20.2, 20.2, 0.0); (638032.1, 4177211.2, 20.3, 20.3, 0.0);
(638053.4, 4177222.0, 20.3, 20.3, 0.0); (638074.7, 4177232.8, 20.4, 20.4, 0.0);
(638096.0, 4177243.7, 20.3, 20.3, 0.0); (638117.3, 4177254.5, 20.2, 20.2, 0.0);
(638138.6, 4177265.3, 20.0, 20.0, 0.0); (638159.9, 4177276.1, 20.1, 20.1, 0.0);
(638181.2, 4177286.9, 20.3, 20.3, 0.0); (638202.5, 4177297.7, 20.4, 20.4, 0.0);
(638223.8, 4177308.5, 20.5, 20.5, 0.0); (638245.1, 4177319.3, 20.5, 20.5, 0.0);
(638266.4, 4177330.1, 20.2, 20.2, 0.0); (637935.6, 4177190.3, 19.5, 19.5, 0.0);
(637956.9, 4177201.1, 19.9, 19.9, 0.0); (637978.2, 4177211.9, 19.6, 19.6, 0.0);
(637999.5, 4177222.7, 19.7, 19.7, 0.0); (638020.8, 4177233.5, 19.9, 19.9, 0.0);
(638042.1, 4177244.3, 20.0, 20.0, 0.0); (638063.4, 4177255.1, 20.1, 20.1, 0.0);
(638084.7, 4177266.0, 20.1, 20.1, 0.0); (638106.0, 4177276.8, 20.2, 20.2, 0.0);
(638127.3, 4177287.6, 19.8, 19.8, 0.0); (638148.6, 4177298.4, 19.8, 19.8, 0.0);
(638169.9, 4177309.2, 20.3, 20.3, 0.0); (638191.2, 4177320.0, 20.0, 20.0, 0.0);
(638212.5, 4177330.8, 20.1, 20.1, 0.0); (638233.8, 4177341.6, 20.2, 20.2, 0.0);
(638255.1, 4177352.4, 19.8, 19.8, 0.0); (637889.5, 4177189.3, 19.7, 19.7, 0.0);
(637924.3, 4177212.6, 19.4, 19.4, 0.0); (637945.6, 4177223.4, 19.3, 19.3, 0.0);
(637966.9, 4177234.2, 19.2, 19.2, 0.0); (637988.2, 4177245.0, 19.2, 19.2, 0.0);
(638009.5, 4177255.8, 19.5, 19.5, 0.0); (638030.8, 4177266.6, 19.6, 19.6, 0.0);
(638052.1, 4177277.4, 19.7, 19.7, 0.0); (638073.4, 4177288.2, 19.8, 19.8, 0.0);
(638094.7, 4177299.1, 19.8, 19.8, 0.0); (638116.0, 4177309.9, 19.7, 19.7, 0.0);
(638137.3, 4177320.7, 19.7, 19.7, 0.0); (638158.6, 4177331.5, 20.1, 20.1, 0.0);
(638179.9, 4177342.3, 19.8, 19.8, 0.0); (638201.2, 4177353.1, 19.9, 19.9, 0.0);
(638222.5, 4177363.9, 20.1, 20.1, 0.0); (638243.8, 4177374.7, 19.6, 19.6, 0.0);
(638299.0, 4177318.5, 20.2, 20.2, 0.0); (638320.2, 4177329.2, 20.2, 20.2, 0.0);
(638341.5, 4177339.9, 19.7, 19.7, 0.0); (638287.8,

```
4177340.9,      19.9,      19.9,       0.0);
     ( 638309.0, 4177351.6,      19.7,      19.7,       0.0);         ( 638330.2,
4177362.3,      19.4,      19.4,       0.0);
     ( 638276.5, 4177363.2,      20.0,      20.0,       0.0);         ( 638297.8,
4177373.9,      19.4,      19.4,       0.0);
     ( 638319.0, 4177384.6,      19.3,      19.3,       0.0);         ( 638265.3,
4177385.5,      20.0,      20.0,       0.0);
     ( 638286.5, 4177396.2,      19.5,      19.5,       0.0);         ( 638307.7,
4177406.9,      19.3,      19.3,       0.0);
     ( 638380.8, 4177333.5,      19.5,      19.5,       0.0);         ( 638418.7,
4177318.6,      19.7,      19.7,       0.0);
     ( 638357.4, 4177363.5,      19.3,      19.3,       0.0);         ( 638389.9,
4177356.7,      19.4,      19.4,       0.0);
     ( 638427.8, 4177341.9,      19.5,      19.5,       0.0);         ( 638364.8,
4177386.7,      19.3,      19.3,       0.0);
     ( 638399.1, 4177380.0,      19.4,      19.4,       0.0);         ( 638436.9,
4177365.1,      19.4,      19.4,       0.0);
     ( 638372.9, 4177409.9,      19.3,      19.3,       0.0);         ( 638340.3,
4177408.4,      19.4,      19.4,       0.0);
     ( 638408.2, 4177403.3,      19.3,      19.3,       0.0);         ( 638446.1,
4177388.4,      19.2,      19.2,       0.0);
     ( 638463.9, 4177349.8,      19.4,      19.4,       0.0);         ( 638485.7,
4177360.5,      19.2,      19.2,       0.0);
     ( 638474.7, 4177382.9,      19.1,      19.1,       0.0);         ( 638463.7,
4177405.4,      18.9,      18.9,       0.0);
     ( 638430.9, 4177417.1,      19.1,      19.1,       0.0);         ( 638452.7,
4177427.8,      18.9,      18.9,       0.0);
     ( 638506.4, 4177371.0,      19.0,      19.0,       0.0);         ( 638527.4,
4177381.8,      19.0,      19.0,       0.0);
     ( 638548.5, 4177392.5,      18.9,      18.9,       0.0);         ( 638569.5,
4177403.3,      18.8,      18.8,       0.0);
     ( 638590.6, 4177414.0,      18.6,      18.6,       0.0);         ( 638611.7,
4177424.8,      18.7,      18.7,       0.0);
     ( 638495.0, 4177393.3,      18.8,      18.8,       0.0);         ( 638516.1,
4177404.0,      18.7,      18.7,       0.0);
     ( 638537.1, 4177414.8,      18.6,      18.6,       0.0);         ( 638558.2,
4177425.5,      18.5,      18.5,       0.0);
     ( 638579.2, 4177436.3,      18.5,      18.5,       0.0);         ( 638600.3,
4177447.0,      18.4,      18.4,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638504.7, 4177426.3, 18.5, 18.5, 0.0); (638525.7, 4177437.0, 18.5, 18.5, 0.0);
(638546.8, 4177447.8, 18.2, 18.2, 0.0); (638567.9, 4177458.6, 18.3, 18.3, 0.0);
(638588.9, 4177469.3, 18.4, 18.4, 0.0); (638493.3, 4177448.6, 18.4, 18.4, 0.0);
(638514.4, 4177459.3, 18.6, 18.6, 0.0); (638535.4, 4177470.1, 18.4, 18.4, 0.0);
(638556.5, 4177480.8, 18.5, 18.5, 0.0); (638577.5, 4177491.6, 18.6, 18.6, 0.0);
(638632.3, 4177435.1, 18.8, 18.8, 0.0); (638652.8, 4177445.4, 18.9, 18.9, 0.0);
(638673.3, 4177455.7, 18.9, 18.9, 0.0); (638693.9, 4177466.0, 18.8, 18.8, 0.0);
(638714.4, 4177476.3, 19.1, 19.1, 0.0); (638734.9, 4177486.6, 19.0, 19.0, 0.0);
(638621.1, 4177457.5, 18.7, 18.7, 0.0); (638641.6, 4177467.8, 18.7, 18.7, 0.0);
(638662.1, 4177478.1, 18.6, 18.6, 0.0); (638682.6, 4177488.4, 18.6, 18.6, 0.0);
(638703.2, 4177498.7, 18.7, 18.7, 0.0); (638723.7, 4177508.9, 19.0, 19.0, 0.0);
(638609.9, 4177479.8, 18.6, 18.6, 0.0); (638630.4, 4177490.1, 18.6, 18.6, 0.0);
(638650.9, 4177500.4, 18.7, 18.7, 0.0); (638671.4, 4177510.7, 18.7, 18.7, 0.0);
(638692.0, 4177521.0, 18.7, 18.7, 0.0); (638712.5, 4177531.3, 18.9, 18.9, 0.0);
(638598.7, 4177502.2, 18.7, 18.7, 0.0); (638619.2, 4177512.5, 18.7, 18.7, 0.0);
(638639.7, 4177522.8, 18.6, 18.6, 0.0); (638660.2, 4177533.1, 18.5, 18.5, 0.0);
(638680.7, 4177543.3, 18.6, 18.6, 0.0); (638701.2, 4177553.6, 18.8, 18.8, 0.0);
(638774.7, 4177506.1, 19.0, 19.0, 0.0); (638814.3, 4177525.5, 18.7, 18.7, 0.0);
(638854.0, 4177544.9, 18.3, 18.3, 0.0); (638893.6, 4177564.3, 18.4, 18.4, 0.0);
(638763.7, 4177528.6, 18.9, 18.9, 0.0); (638803.3, 4177548.0, 18.4, 18.4, 0.0);
(638843.0, 4177567.4, 18.2, 18.2, 0.0); (638882.6, 4177586.8, 18.0, 18.0, 0.0);
(638732.9, 4177541.3, 18.7, 18.7, 0.0); (638772.5, 4177560.7, 18.4, 18.4, 0.0);
(638812.2, 4177580.1, 18.0, 18.0, 0.0); (638851.8, 4177599.5, 17.8, 17.8, 0.0);
(638721.9, 4177563.8, 18.7, 18.7, 0.0); (638761.5, 4177583.2, 18.4, 18.4, 0.0);
(638801.2, 4177602.6, 18.1, 18.1, 0.0); (638840.8, 4177622.0, 17.6, 17.6, 0.0);
(638915.7, 4177574.8, 18.3, 18.3, 0.0); (638937.5,

```
4177585.2,      18.2,      18.2,       0.0);
     ( 638959.4, 4177595.6,      18.1,      18.1,       0.0);         ( 638981.3,
4177606.0,      17.9,      17.9,       0.0);
     ( 638905.0, 4177597.4,      18.0,      18.0,       0.0);         ( 638926.8,
4177607.8,      17.9,      17.9,       0.0);
     ( 638948.7, 4177618.2,      17.8,      17.8,       0.0);         ( 638970.5,
4177628.5,      17.8,      17.8,       0.0);
     ( 638872.4, 4177609.6,      17.7,      17.7,       0.0);         ( 638894.2,
4177620.0,      17.8,      17.8,       0.0);
     ( 638916.1, 4177630.4,      17.8,      17.8,       0.0);         ( 638937.9,
4177640.7,      17.7,      17.7,       0.0);
     ( 638959.8, 4177651.1,      17.6,      17.6,       0.0);         ( 638861.6,
4177632.2,      17.5,      17.5,       0.0);
     ( 638883.5, 4177642.5,      17.7,      17.7,       0.0);         ( 638905.4,
4177652.9,      17.7,      17.7,       0.0);
     ( 638927.2, 4177663.3,      17.2,      17.2,       0.0);         ( 638949.1,
4177673.7,      17.5,      17.5,       0.0);
     ( 639019.3, 4177624.1,      17.7,      17.7,       0.0);         ( 639057.4,
4177642.3,      17.5,      17.5,       0.0);
     ( 639095.5, 4177660.4,      17.5,      17.5,       0.0);         ( 639008.5,
4177646.7,      17.8,      17.8,       0.0);
     ( 639046.6, 4177664.8,      17.7,      17.7,       0.0);         ( 639084.7,
4177683.0,      17.5,      17.5,       0.0);
     ( 638997.8, 4177669.2,      17.7,      17.7,       0.0);         ( 639035.9,
4177687.4,      17.7,      17.7,       0.0);
     ( 639073.9, 4177705.6,      17.3,      17.3,       0.0);         ( 638987.0,
4177691.8,      17.5,      17.5,       0.0);
     ( 639025.1, 4177710.0,      17.6,      17.6,       0.0);         ( 639063.2,
4177728.1,      17.2,      17.2,       0.0);
     ( 639133.4, 4177679.8,      17.4,      17.4,       0.0);         ( 639172.0,
4177699.5,      17.4,      17.4,       0.0);
     ( 639122.1, 4177702.1,      17.3,      17.3,       0.0);         ( 639160.6,
4177721.8,      17.4,      17.4,       0.0);
     ( 639110.7, 4177724.4,      17.3,      17.3,       0.0);         ( 639149.2,
4177744.0,      17.3,      17.3,       0.0);
     ( 639099.3, 4177746.6,      17.2,      17.2,       0.0);         ( 639137.9,
4177766.3,      17.2,      17.2,       0.0);
     ( 639193.0, 4177710.0,      17.3,      17.3,       0.0);         ( 639213.7,
4177720.4,      17.3,      17.3,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(639234.5, 4177730.8, 17.2, 17.2, 0.0); (639255.3, 4177741.2, 17.2, 17.2, 0.0);
(639276.1, 4177751.6, 17.1, 17.1, 0.0); (639296.9, 4177761.9, 17.1, 17.1, 0.0);
(639181.8, 4177732.3, 17.3, 17.3, 0.0); (639202.6, 4177742.7, 17.2, 17.2, 0.0);
(639223.4, 4177753.1, 16.9, 16.9, 0.0); (639244.1, 4177763.5, 16.9, 16.9, 0.0);
(639264.9, 4177773.9, 17.0, 17.0, 0.0); (639285.7, 4177784.3, 17.1, 17.1, 0.0);
(639170.6, 4177754.7, 17.3, 17.3, 0.0); (639191.4, 4177765.1, 17.2, 17.2, 0.0);
(639212.2, 4177775.5, 17.0, 17.0, 0.0); (639233.0, 4177785.9, 16.8, 16.8, 0.0);
(639253.8, 4177796.3, 16.9, 16.9, 0.0); (639274.6, 4177806.7, 16.9, 16.9, 0.0);
(639159.4, 4177777.0, 17.2, 17.2, 0.0); (639180.2, 4177787.4, 17.2, 17.2, 0.0);
(639201.0, 4177797.8, 17.1, 17.1, 0.0); (639221.8, 4177808.2, 16.7, 16.7, 0.0);
(639242.6, 4177818.6, 16.8, 16.8, 0.0); (639263.4, 4177829.0, 16.7, 16.7, 0.0);
(639317.4, 4177772.4, 17.1, 17.1, 0.0); (639338.1, 4177782.9, 17.2, 17.2, 0.0);
(639358.7, 4177793.4, 17.2, 17.2, 0.0); (639379.4, 4177803.8, 17.2, 17.2, 0.0);
(639306.1, 4177794.7, 17.2, 17.2, 0.0); (639326.8, 4177805.1, 17.2, 17.2, 0.0);
(639347.4, 4177815.6, 17.1, 17.1, 0.0); (639368.1, 4177826.1, 17.1, 17.1, 0.0);
(639294.8, 4177816.9, 16.9, 16.9, 0.0); (639315.4, 4177827.4, 16.9, 16.9, 0.0);
(639336.1, 4177837.9, 16.9, 16.9, 0.0); (639356.7, 4177848.4, 17.0, 17.0, 0.0);
(639283.4, 4177839.2, 16.6, 16.6, 0.0); (639304.1, 4177849.7, 16.6, 16.6, 0.0);
(639324.8, 4177860.2, 16.6, 16.6, 0.0); (639345.4, 4177870.7, 16.8, 16.8, 0.0);
(639400.5, 4177815.2, 17.2, 17.2, 0.0); (639422.1, 4177826.9, 17.0, 17.0, 0.0);
(639443.8, 4177838.5, 17.0, 17.0, 0.0); (639388.7, 4177837.2, 16.9, 16.9, 0.0);
(639410.3, 4177848.9, 17.0, 17.0, 0.0); (639431.9, 4177860.5, 16.8, 16.8, 0.0);
(639376.8, 4177859.3, 16.9, 16.9, 0.0); (639398.4, 4177870.9, 16.9, 16.9, 0.0);
(639420.1, 4177882.5, 16.6, 16.6, 0.0); (639386.6, 4177892.9, 16.7, 16.7, 0.0);
(639408.2, 4177904.6, 16.6, 16.6, 0.0); (639466.2, 4177858.3, 16.8, 16.8, 0.0);
(639450.0, 4177877.3, 16.8, 16.8, 0.0); (639447.2,

```
4177907.8,      16.7,      16.7,       0.0);
     ( 639431.0, 4177926.8,      16.5,      16.5,       0.0);         ( 639484.9,
4177880.4,      16.7,      16.7,       0.0);
     ( 639474.0, 4177910.1,      16.7,      16.7,       0.0);         ( 639454.3,
4177945.2,      16.6,      16.6,       0.0);
     ( 639526.1, 4177788.6,      17.9,      17.9,       0.0);         ( 639505.1,
4177778.0,      17.8,      17.8,       0.0);
     ( 639484.0, 4177767.3,      17.6,      17.6,       0.0);         ( 639462.9,
4177756.7,      17.6,      17.6,       0.0);
     ( 639441.8, 4177746.1,      17.9,      17.9,       0.0);         ( 639420.8,
4177735.5,      17.9,      17.9,       0.0);
     ( 639399.7, 4177724.9,      18.0,      18.0,       0.0);         ( 639378.6,
4177714.3,      18.0,      18.0,       0.0);
     ( 639357.6, 4177703.7,      17.9,      17.9,       0.0);         ( 639336.5,
4177693.1,      18.1,      18.1,       0.0);
     ( 639315.4, 4177682.5,      18.2,      18.2,       0.0);         ( 639547.3,
4177775.2,      17.5,      17.5,       0.0);
     ( 639516.3, 4177755.6,      18.1,      18.1,       0.0);         ( 639495.2,
4177745.0,      17.6,      17.6,       0.0);
     ( 639474.2, 4177734.4,      17.9,      17.9,       0.0);         ( 639453.1,
4177723.8,      17.7,      17.7,       0.0);
     ( 639432.0, 4177713.2,      17.6,      17.6,       0.0);         ( 639410.9,
4177702.6,      17.8,      17.8,       0.0);
     ( 639389.9, 4177692.0,      18.0,      18.0,       0.0);         ( 639368.8,
4177681.4,      17.9,      17.9,       0.0);
     ( 639347.7, 4177670.8,      18.0,      18.0,       0.0);         ( 639326.6,
4177660.1,      18.0,      18.0,       0.0);
     ( 639563.5, 4177757.4,      17.7,      17.7,       0.0);         ( 639527.6,
4177733.3,      18.3,      18.3,       0.0);
     ( 639506.5, 4177722.7,      18.1,      18.1,       0.0);         ( 639485.4,
4177712.1,      17.6,      17.6,       0.0);
     ( 639464.3, 4177701.5,      17.7,      17.7,       0.0);         ( 639443.2,
4177690.9,      17.7,      17.7,       0.0);
     ( 639422.2, 4177680.2,      17.9,      17.9,       0.0);         ( 639401.1,
4177669.6,      18.0,      18.0,       0.0);
     ( 639380.0, 4177659.0,      17.9,      17.9,       0.0);         ( 639359.0,
4177648.4,      18.0,      18.0,       0.0);
     ( 639337.9, 4177637.8,      18.1,      18.1,       0.0);         ( 639573.1,
4177733.6,      17.7,      17.7,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(639538.8, 4177711.0, 18.2, 18.2, 0.0); (639517.7, 4177700.4, 18.1, 18.1, 0.0);
(639496.6, 4177689.8, 17.8, 17.8, 0.0); (639475.6, 4177679.1, 17.9, 17.9, 0.0);
(639454.5, 4177668.5, 18.0, 18.0, 0.0); (639433.4, 4177657.9, 18.2, 18.2, 0.0);
(639412.4, 4177647.3, 18.2, 18.2, 0.0); (639391.3, 4177636.7, 18.1, 18.1, 0.0);
(639370.2, 4177626.1, 18.0, 18.0, 0.0); (639349.1, 4177615.5, 17.8, 17.8, 0.0);
(639293.9, 4177671.3, 18.2, 18.2, 0.0); (639272.1, 4177660.0, 18.1, 18.1, 0.0);
(639250.3, 4177648.8, 18.1, 18.1, 0.0); (639228.6, 4177637.5, 18.1, 18.1, 0.0);
(639206.8, 4177626.2, 18.2, 18.2, 0.0); (639185.0, 4177614.9, 18.2, 18.2, 0.0);
(639163.2, 4177603.7, 18.2, 18.2, 0.0); (639141.5, 4177592.4, 18.3, 18.3, 0.0);
(639119.7, 4177581.1, 18.3, 18.3, 0.0); (639097.9, 4177569.8, 18.5, 18.5, 0.0);
(639076.1, 4177558.6, 18.5, 18.5, 0.0); (639305.4, 4177649.1, 18.1, 18.1, 0.0);
(639283.6, 4177637.8, 18.1, 18.1, 0.0); (639261.8, 4177626.6, 18.1, 18.1, 0.0);
(639240.1, 4177615.3, 18.1, 18.1, 0.0); (639218.3, 4177604.0, 18.2, 18.2, 0.0);
(639196.5, 4177592.8, 18.2, 18.2, 0.0); (639174.7, 4177581.5, 18.2, 18.2, 0.0);
(639153.0, 4177570.2, 18.2, 18.2, 0.0); (639131.2, 4177558.9, 18.3, 18.3, 0.0);
(639109.4, 4177547.6, 18.4, 18.4, 0.0); (639087.6, 4177536.4, 18.4, 18.4, 0.0);
(639316.9, 4177626.9, 18.0, 18.0, 0.0); (639295.1, 4177615.6, 17.9, 17.9, 0.0);
(639273.3, 4177604.4, 18.1, 18.1, 0.0); (639251.5, 4177593.1, 18.2, 18.2, 0.0);
(639229.8, 4177581.8, 18.2, 18.2, 0.0); (639208.0, 4177570.5, 18.2, 18.2, 0.0);
(639186.2, 4177559.3, 18.3, 18.3, 0.0); (639164.4, 4177548.0, 18.3, 18.3, 0.0);
(639142.7, 4177536.7, 18.4, 18.4, 0.0); (639120.9, 4177525.4, 18.4, 18.4, 0.0);
(639099.1, 4177514.2, 18.5, 18.5, 0.0); (639328.4, 4177604.7, 17.8, 17.8, 0.0);
(639306.6, 4177593.4, 18.0, 18.0, 0.0); (639284.8, 4177582.2, 17.9, 17.9, 0.0);
(639263.0, 4177570.9, 17.9, 17.9, 0.0); (639241.3, 4177559.6, 18.1, 18.1, 0.0);
(639219.5, 4177548.3, 18.1, 18.1, 0.0); (639197.7, 4177537.1, 18.2, 18.2, 0.0);
(639175.9, 4177525.8, 18.3, 18.3, 0.0); (639154.2,

```
4177514.5,      18.4,      18.4,       0.0);
     ( 639132.4, 4177503.2,      18.5,      18.5,       0.0);         ( 639110.6,
4177492.0,      18.8,      18.8,       0.0);
     ( 639038.4, 4177538.5,      18.6,      18.6,       0.0);         ( 639000.4,
4177518.2,      18.7,      18.7,       0.0);
     ( 638962.5, 4177498.0,      18.8,      18.8,       0.0);         ( 639050.2,
4177516.4,      18.6,      18.6,       0.0);
     ( 639012.2, 4177496.1,      18.7,      18.7,       0.0);         ( 638974.2,
4177475.9,      18.9,      18.9,       0.0);
     ( 639062.0, 4177494.3,      18.6,      18.6,       0.0);         ( 639024.0,
4177474.1,      18.8,      18.8,       0.0);
     ( 638986.0, 4177453.8,      18.9,      18.9,       0.0);         ( 639073.7,
4177472.3,      18.8,      18.8,       0.0);
     ( 639035.7, 4177452.0,      18.9,      18.9,       0.0);         ( 638997.8,
4177431.8,      19.2,      19.2,       0.0);
     ( 638953.9, 4177465.1,      18.8,      18.8,       0.0);         ( 638756.9,
4177367.8,      19.2,      19.2,       0.0);
     ( 638735.1, 4177357.0,      19.1,      19.1,       0.0);         ( 638964.9,
4177442.6,      19.0,      19.0,       0.0);
     ( 638943.1, 4177431.8,      19.2,      19.2,       0.0);         ( 638811.8,
4177367.0,      19.3,      19.3,       0.0);
     ( 638789.9, 4177356.2,      19.1,      19.1,       0.0);         ( 638768.0,
4177345.4,      19.3,      19.3,       0.0);
     ( 638746.1, 4177334.6,      19.2,      19.2,       0.0);         ( 638976.0,
4177420.2,      19.2,      19.2,       0.0);
     ( 638954.1, 4177409.4,      19.3,      19.3,       0.0);         ( 638932.2,
4177398.6,      19.3,      19.3,       0.0);
     ( 638844.7, 4177355.4,      19.2,      19.2,       0.0);         ( 638822.8,
4177344.6,      19.3,      19.3,       0.0);
     ( 638801.0, 4177333.8,      19.1,      19.1,       0.0);         ( 638779.1,
4177323.0,      18.9,      18.9,       0.0);
     ( 638757.2, 4177312.1,      19.4,      19.4,       0.0);         ( 638702.6,
4177369.1,      19.1,      19.1,       0.0);
     ( 638681.4, 4177358.8,      19.2,      19.2,       0.0);         ( 638660.2,
4177348.6,      19.3,      19.3,       0.0);
     ( 638639.0, 4177338.4,      19.4,      19.4,       0.0);         ( 638617.8,
4177328.2,      19.5,      19.5,       0.0);
     ( 638596.6, 4177317.9,      19.6,      19.6,       0.0);         ( 638575.4,
4177307.7,      19.9,      19.9,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638554.2, 4177297.5, 20.0, 20.0, 0.0); (638533.0, 4177287.3, 20.1, 20.1, 0.0);
(638713.4, 4177346.5, 19.2, 19.2, 0.0); (638692.2, 4177336.3, 19.0, 19.0, 0.0);
(638671.0, 4177326.1, 19.2, 19.2, 0.0); (638649.8, 4177315.9, 19.5, 19.5, 0.0);
(638628.6, 4177305.6, 19.6, 19.6, 0.0); (638607.4, 4177295.4, 19.8, 19.8, 0.0);
(638586.2, 4177285.2, 20.0, 20.0, 0.0); (638565.0, 4177275.0, 20.1, 20.1, 0.0);
(638543.8, 4177264.8, 20.1, 20.1, 0.0); (638724.3, 4177324.0, 19.2, 19.2, 0.0);
(638703.1, 4177313.8, 19.2, 19.2, 0.0); (638681.9, 4177303.6, 19.4, 19.4, 0.0);
(638660.7, 4177293.3, 19.8, 19.8, 0.0); (638639.5, 4177283.1, 20.0, 20.0, 0.0);
(638618.3, 4177272.9, 20.0, 20.0, 0.0); (638597.1, 4177262.7, 20.3, 20.3, 0.0);
(638575.9, 4177252.5, 20.2, 20.2, 0.0); (638554.7, 4177242.2, 20.4, 20.4, 0.0);
(638735.2, 4177301.5, 19.4, 19.4, 0.0); (638714.0, 4177291.3, 19.4, 19.4, 0.0);
(638692.7, 4177281.1, 19.6, 19.6, 0.0); (638671.5, 4177270.8, 19.8, 19.8, 0.0);
(638650.3, 4177260.6, 20.0, 20.0, 0.0); (638629.1, 4177250.4, 20.2, 20.2, 0.0);
(638607.9, 4177240.2, 20.2, 20.2, 0.0); (638586.7, 4177229.9, 20.2, 20.2, 0.0);
(638565.5, 4177219.7, 20.2, 20.2, 0.0); (638510.9, 4177276.3, 20.0, 20.0, 0.0);
(638488.7, 4177265.3, 19.9, 19.9, 0.0); (638466.4, 4177254.2, 20.0, 20.0, 0.0);
(638444.1, 4177243.2, 20.1, 20.1, 0.0); (638421.8, 4177232.1, 20.2, 20.2, 0.0);
(638399.6, 4177221.1, 20.2, 20.2, 0.0); (638377.3, 4177210.0, 20.3, 20.3, 0.0);
(638522.1, 4177253.9, 20.0, 20.0, 0.0); (638499.8, 4177242.9, 20.0, 20.0, 0.0);
(638477.5, 4177231.8, 20.1, 20.1, 0.0); (638455.2, 4177220.8, 20.1, 20.1, 0.0);
(638433.0, 4177209.8, 20.2, 20.2, 0.0); (638410.7, 4177198.7, 20.2, 20.2, 0.0);
(638388.4, 4177187.7, 20.2, 20.2, 0.0); (638533.2, 4177231.6, 20.1, 20.1, 0.0);
(638510.9, 4177220.5, 20.1, 20.1, 0.0); (638488.6, 4177209.5, 20.3, 20.3, 0.0);
(638466.3, 4177198.4, 20.3, 20.3, 0.0); (638444.1, 4177187.4, 20.4, 20.4, 0.0);
(638421.8, 4177176.3, 20.4, 20.4, 0.0); (638399.5, 4177165.3, 20.2, 20.2, 0.0);
(638544.3, 4177209.2, 20.2, 20.2, 0.0); (638522.0,

```
4177198.1,      20.3,      20.3,       0.0);
     ( 638499.7, 4177187.1,      20.3,      20.3,      0.0);         ( 638477.4,
4177176.0,      20.2,      20.2,       0.0);
     ( 638455.2, 4177165.0,      20.2,      20.2,      0.0);         ( 638432.9,
4177153.9,      20.2,      20.2,       0.0);
     ( 638410.6, 4177142.9,      20.2,      20.2,      0.0);         ( 638522.1,
4177309.8,      19.8,      19.8,       0.0);
     ( 638343.9, 4177221.4,      20.4,      20.4,      0.0);         ( 638056.7,
4177083.7,      21.2,      21.2,       0.0);
     ( 637703.4, 4176902.8,      20.4,      20.4,      0.0);         ( 637321.8,
4176712.7,      20.8,      20.8,       0.0);
     ( 636866.1, 4176483.9,      20.4,      20.4,      0.0);         ( 636327.4,
4176212.2,      21.7,      21.7,       0.0);
     ( 636323.1, 4176252.4,      21.5,      21.5,      0.0);         ( 637151.1,
4176671.3,      20.8,      22.0,       0.0);
     ( 637431.9, 4176809.0,      20.9,      20.9,      0.0);         ( 637877.8,
4177034.8,      20.3,      20.3,       0.0);
     ( 637948.9, 4177069.9,      21.1,      21.1,      0.0);         ( 637948.2,
4177112.6,      20.5,      20.5,       0.0);
     ( 638289.1, 4177285.5,      20.0,      20.0,      0.0);         ( 638352.7,
4177317.6,      19.7,      19.7,       0.0);
     ( 638409.6, 4177295.3,      20.0,      20.0,      0.0);         ( 638496.7,
4177338.0,      19.6,      19.6,       0.0);
     ( 638623.0, 4177402.5,      19.1,      19.1,      0.0);         ( 638746.1,
4177464.3,      19.0,      19.0,       0.0);
     ( 638904.6, 4177541.8,      18.6,      18.6,      0.0);         ( 638992.0,
4177583.4,      18.7,      18.7,       0.0);
     ( 639106.2, 4177637.9,      18.5,      18.5,      0.0);         ( 639183.3,
4177677.2,      18.2,      18.2,       0.0);
     ( 639308.1, 4177739.6,      17.9,      17.9,      0.0);         ( 639390.7,
4177781.6,      17.6,      17.6,       0.0);
     ( 639455.6, 4177816.5,      17.3,      17.3,      0.0);         ( 639495.8,
4177850.6,      17.2,      17.2,       0.0);
     ( 639514.9, 4177810.9,      17.7,      17.7,      0.0);         ( 639304.2,
4177704.8,      18.1,      18.1,       0.0);
     ( 639064.6, 4177580.8,      18.6,      18.6,      0.0);         ( 638712.9,
4177401.8,      19.3,      19.3,       0.0);
     ( 638499.8, 4177298.7,      19.9,      19.9,      0.0);         ( 638477.6,
4177287.7,      19.9,      19.9,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638455.3, 4177276.6, 20.0, 20.0, 0.0); (638433.0, 4177265.6, 20.1, 20.1, 0.0);
(638410.7, 4177254.5, 20.2, 20.2, 0.0); (638388.5, 4177243.5, 20.3, 20.3, 0.0);
(638366.2, 4177232.4, 20.3, 20.3, 0.0); (638321.8, 4177210.8, 20.4, 20.4, 0.0);
(638299.7, 4177200.2, 20.5, 20.5, 0.0); (638277.6, 4177189.6, 20.6, 20.6, 0.0);
(638255.5, 4177179.0, 20.7, 20.7, 0.0); (638233.5, 4177168.4, 20.8, 20.8, 0.0);
(638211.4, 4177157.8, 20.8, 20.8, 0.0); (638189.3, 4177147.2, 20.9, 20.9, 0.0);
(638167.2, 4177136.7, 20.9, 20.9, 0.0); (638145.1, 4177126.1, 20.9, 20.9, 0.0);
(638123.0, 4177115.5, 21.0, 21.0, 0.0); (638100.9, 4177104.9, 21.0, 21.0, 0.0);
(638078.8, 4177094.3, 21.1, 21.1, 0.0); (638034.7, 4177072.4, 21.2, 21.2, 0.0);
(638012.6, 4177061.1, 21.2, 21.2, 0.0); (637990.5, 4177049.8, 21.2, 21.2, 0.0);
(637968.4, 4177038.5, 21.3, 21.3, 0.0); (637946.3, 4177027.2, 21.7, 21.7, 0.0);
(637924.2, 4177015.9, 21.8, 21.8, 0.0); (637902.1, 4177004.6, 20.9, 20.9, 0.0);
(637880.0, 4176993.3, 20.8, 20.8, 0.0); (637858.0, 4176982.0, 20.9, 20.9, 0.0);
(637835.9, 4176970.7, 20.7, 20.7, 0.0); (637813.8, 4176959.4, 20.6, 20.6, 0.0);
(637791.7, 4176948.1, 20.6, 20.6, 0.0); (637769.6, 4176936.8, 20.6, 20.6, 0.0);
(637747.5, 4176925.5, 20.5, 20.5, 0.0); (637725.4, 4176914.2, 20.4, 20.4, 0.0);
(637682.2, 4176892.3, 20.4, 20.4, 0.0); (637661.0, 4176881.7, 20.4, 20.4, 0.0);
(637639.8, 4176871.2, 20.4, 20.4, 0.0); (637618.6, 4176860.6, 20.4, 20.4, 0.0);
(637597.4, 4176850.0, 20.5, 20.5, 0.0); (637576.2, 4176839.5, 20.6, 20.6, 0.0);
(637555.0, 4176828.9, 20.7, 20.7, 0.0); (637533.8, 4176818.3, 20.8, 20.8, 0.0);
(637512.6, 4176807.8, 20.9, 20.9, 0.0); (637491.4, 4176797.2, 21.0, 21.0, 0.0);
(637470.2, 4176786.6, 21.1, 21.1, 0.0); (637449.0, 4176776.1, 21.3, 21.3, 0.0);
(637427.8, 4176765.5, 21.4, 21.4, 0.0); (637406.6, 4176754.9, 21.6, 21.6, 0.0);
(637385.4, 4176744.4, 21.4, 21.4, 0.0); (637364.2, 4176733.8, 21.2, 21.2, 0.0);
(637343.0, 4176723.3, 20.9, 20.9, 0.0); (637300.1, 4176701.8, 20.8, 20.8, 0.0);
(637278.4, 4176690.9, 20.8, 20.8, 0.0); (637256.7,

```
4176680.0,      20.8,      20.8,       0.0);
     ( 637235.0, 4176669.1,      20.8,      20.8,       0.0);         ( 637213.3,
4176658.2,      20.5,      22.3,       0.0);
     ( 637191.6, 4176647.3,      22.4,      22.4,       0.0);         ( 637169.9,
4176636.4,      21.5,      21.5,       0.0);
     ( 637148.2, 4176625.5,      20.9,      20.9,       0.0);         ( 637126.5,
4176614.6,      20.6,      20.6,       0.0);
     ( 637104.8, 4176603.7,      20.2,      20.2,       0.0);         ( 637083.1,
4176592.8,      20.2,      20.2,       0.0);
     ( 637061.4, 4176581.9,      20.3,      20.3,       0.0);         ( 637039.7,
4176571.0,      20.3,      20.3,       0.0);
     ( 637018.0, 4176560.1,      20.4,      20.4,       0.0);         ( 636996.3,
4176549.3,      20.4,      20.4,       0.0);
     ( 636974.6, 4176538.4,      20.5,      20.5,       0.0);         ( 636952.9,
4176527.5,      20.4,      20.4,       0.0);
     ( 636931.2, 4176516.6,      20.4,      20.4,       0.0);         ( 636909.5,
4176505.7,      20.4,      20.4,       0.0);
     ( 636887.8, 4176494.8,      20.4,      20.4,       0.0);         ( 636844.5,
4176473.0,      20.4,      20.4,       0.0);
     ( 636823.0, 4176462.1,      20.5,      20.5,       0.0);         ( 636801.4,
4176451.3,      20.5,      20.5,       0.0);
     ( 636779.9, 4176440.4,      20.5,      20.5,       0.0);         ( 636758.3,
4176429.5,      20.6,      20.6,       0.0);
     ( 636736.8, 4176418.7,      20.5,      20.5,       0.0);         ( 636715.2,
4176407.8,      20.6,      20.6,       0.0);
     ( 636693.7, 4176397.0,      20.5,      20.5,       0.0);         ( 636672.1,
4176386.1,      20.5,      20.5,       0.0);
     ( 636650.6, 4176375.2,      20.5,      20.5,       0.0);         ( 636629.0,
4176364.4,      20.5,      20.5,       0.0);
     ( 636607.5, 4176353.5,      20.5,      20.5,       0.0);         ( 636585.9,
4176342.6,      20.5,      20.5,       0.0);
     ( 636564.4, 4176331.8,      20.5,      20.5,       0.0);         ( 636542.9,
4176320.9,      20.6,      20.6,       0.0);
     ( 636521.3, 4176310.0,      20.6,      20.6,       0.0);         ( 636499.8,
4176299.2,      20.6,      20.6,       0.0);
     ( 636478.2, 4176288.3,      20.6,      20.6,       0.0);         ( 636456.7,
4176277.4,      20.7,      20.7,       0.0);
     ( 636435.1, 4176266.6,      20.7,      20.7,       0.0);         ( 636413.6,
4176255.7,      20.8,      20.8,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(636392.0, 4176244.8, 20.8, 20.8, 0.0); (636370.5, 4176234.0, 20.9, 20.9, 0.0);
(636348.9, 4176223.1, 21.5, 21.5, 0.0); (636344.9, 4176263.5, 21.3, 21.3, 0.0);
(636366.6, 4176274.5, 20.7, 20.7, 0.0); (636388.4, 4176285.5, 20.5, 20.5, 0.0);
(636410.2, 4176296.5, 20.5, 20.5, 0.0); (636432.0, 4176307.5, 20.4, 20.4, 0.0);
(636453.8, 4176318.6, 20.4, 20.4, 0.0); (636475.6, 4176329.6, 20.3, 20.3, 0.0);
(636497.4, 4176340.6, 20.4, 20.4, 0.0); (636519.2, 4176351.6, 20.4, 20.4, 0.0);
(636541.0, 4176362.7, 20.4, 20.4, 0.0); (636562.8, 4176373.7, 20.3, 20.3, 0.0);
(636584.6, 4176384.7, 20.4, 20.4, 0.0); (636606.3, 4176395.7, 20.4, 20.4, 0.0);
(636628.1, 4176406.8, 20.4, 20.4, 0.0); (636649.9, 4176417.8, 20.3, 20.3, 0.0);
(636671.7, 4176428.8, 20.4, 20.4, 0.0); (636693.5, 4176439.8, 20.3, 20.3, 0.0);
(636715.3, 4176450.9, 20.2, 20.2, 0.0); (636737.1, 4176461.9, 20.1, 20.1, 0.0);
(636758.9, 4176472.9, 19.9, 19.9, 0.0); (636780.7, 4176483.9, 19.9, 19.9, 0.0);
(636802.5, 4176494.9, 20.2, 20.2, 0.0); (636824.2, 4176506.0, 20.1, 20.1, 0.0);
(636846.0, 4176517.0, 20.1, 20.1, 0.0); (636867.8, 4176528.0, 20.2, 20.2, 0.0);
(636889.6, 4176539.0, 20.2, 20.2, 0.0); (636911.4, 4176550.1, 20.2, 20.2, 0.0);
(636933.2, 4176561.1, 20.2, 20.2, 0.0); (636955.0, 4176572.1, 20.3, 20.3, 0.0);
(636976.8, 4176583.1, 20.2, 20.2, 0.0); (636998.6, 4176594.2, 20.6, 20.6, 0.0);
(637020.4, 4176605.2, 20.8, 20.8, 0.0); (637042.2, 4176616.2, 20.6, 20.6, 0.0);
(637064.0, 4176627.2, 20.7, 20.7, 0.0); (637085.8, 4176638.2, 20.6, 20.6, 0.0);
(637107.5, 4176649.3, 20.6, 20.6, 0.0); (637129.3, 4176660.3, 20.7, 20.7, 0.0);
(637172.7, 4176681.9, 22.2, 22.2, 0.0); (637194.3, 4176692.5, 19.6, 22.4, 0.0);
(637215.9, 4176703.1, 20.1, 20.1, 0.0); (637237.5, 4176713.7, 20.4, 20.4, 0.0);
(637259.1, 4176724.3, 20.6, 20.6, 0.0); (637280.7, 4176734.9, 21.2, 21.2, 0.0);
(637302.3, 4176745.4, 21.3, 21.3, 0.0); (637323.9, 4176756.0, 21.3, 21.3, 0.0);
(637345.5, 4176766.6, 20.7, 20.7, 0.0); (637367.1, 4176777.2, 20.8, 20.8, 0.0);
(637388.7, 4176787.8, 20.8, 20.8, 0.0); (637410.3,

```
4176798.4,      20.9,      20.9,       0.0);
     ( 637454.2, 4176820.3,      20.8,      20.8,       0.0);         ( 637476.5,
4176831.6,      20.9,      20.9,       0.0);
     ( 637498.8, 4176842.9,      20.7,      20.7,       0.0);         ( 637521.1,
4176854.2,      20.6,      20.6,       0.0);
     ( 637543.4, 4176865.5,      20.6,      20.6,       0.0);         ( 637565.7,
4176876.8,      20.5,      20.5,       0.0);
     ( 637588.0, 4176888.0,      20.6,      20.6,       0.0);         ( 637610.3,
4176899.3,      20.6,      20.6,       0.0);
     ( 637632.6, 4176910.6,      20.4,      20.4,       0.0);         ( 637654.9,
4176921.9,      20.4,      20.4,       0.0);
     ( 637677.2, 4176933.2,      20.3,      20.3,       0.0);         ( 637699.5,
4176944.5,      20.4,      20.4,       0.0);
     ( 637721.8, 4176955.8,      20.4,      20.4,       0.0);         ( 637744.1,
4176967.1,      20.3,      20.3,       0.0);
     ( 637766.3, 4176978.4,      20.4,      20.4,       0.0);         ( 637788.6,
4176989.7,      20.4,      20.4,       0.0);
     ( 637810.9, 4177001.0,      20.4,      20.4,       0.0);         ( 637833.2,
4177012.3,      20.4,      20.4,       0.0);
     ( 637855.5, 4177023.5,      20.4,      20.4,       0.0);         ( 637895.6,
4177043.6,      20.4,      20.4,       0.0);
     ( 637913.4, 4177052.4,      20.9,      20.9,       0.0);         ( 637931.1,
4177061.1,      21.7,      21.7,       0.0);
     ( 637948.6, 4177091.2,      20.7,      20.7,       0.0);         ( 637969.5,
4177123.4,      20.1,      20.1,       0.0);
     ( 637990.8, 4177134.2,      20.0,      20.0,       0.0);         ( 638012.1,
4177145.0,      20.0,      20.0,       0.0);
     ( 638033.4, 4177155.8,      20.1,      20.1,       0.0);         ( 638054.7,
4177166.6,      20.1,      20.1,       0.0);
     ( 638076.0, 4177177.5,      20.1,      20.1,       0.0);         ( 638097.3,
4177188.3,      20.1,      20.1,       0.0);
     ( 638118.6, 4177199.1,      20.1,      20.1,       0.0);         ( 638139.9,
4177209.9,      20.1,      20.1,       0.0);
     ( 638161.2, 4177220.7,      20.0,      20.0,       0.0);         ( 638182.5,
4177231.5,      20.1,      20.1,       0.0);
     ( 638203.9, 4177242.3,      20.1,      20.1,       0.0);         ( 638225.2,
4177253.1,      20.1,      20.1,       0.0);
     ( 638246.5, 4177263.9,      20.1,      20.1,       0.0);         ( 638267.8,
4177274.7,      20.0,      20.0,       0.0);
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638310.3, 4177296.2, 20.0, 20.0, 0.0); (638331.5, 4177306.9, 20.0, 20.0, 0.0);
(638371.7, 4177310.2, 19.6, 19.6, 0.0); (638390.6, 4177302.8, 19.8, 19.8, 0.0);
(638431.3, 4177306.0, 19.9, 19.9, 0.0); (638453.1, 4177316.7, 19.9, 19.9, 0.0);
(638474.9, 4177327.3, 19.8, 19.8, 0.0); (638517.7, 4177348.8, 19.4, 19.4, 0.0);
(638538.8, 4177359.5, 19.4, 19.4, 0.0); (638559.9, 4177370.3, 19.3, 19.3, 0.0);
(638580.9, 4177381.0, 19.2, 19.2, 0.0); (638602.0, 4177391.8, 19.1, 19.1, 0.0);
(638643.5, 4177412.8, 19.0, 19.0, 0.0); (638664.0, 4177423.1, 19.1, 19.1, 0.0);
(638684.6, 4177433.4, 19.1, 19.1, 0.0); (638705.1, 4177443.7, 19.1, 19.1, 0.0);
(638725.6, 4177454.0, 19.3, 19.3, 0.0); (638765.9, 4177474.0, 18.8, 18.8, 0.0);
(638785.7, 4177483.7, 18.8, 18.8, 0.0); (638805.5, 4177493.3, 18.6, 18.6, 0.0);
(638825.3, 4177503.0, 18.7, 18.7, 0.0); (638845.1, 4177512.8, 18.7, 18.7, 0.0);
(638864.9, 4177522.4, 18.7, 18.7, 0.0); (638884.8, 4177532.1, 18.7, 18.7, 0.0);
(638926.4, 4177552.2, 18.6, 18.6, 0.0); (638948.3, 4177562.6, 18.6, 18.6, 0.0);
(638970.1, 4177573.0, 18.7, 18.7, 0.0); (639011.0, 4177592.5, 18.6, 18.6, 0.0);
(639030.1, 4177601.5, 18.6, 18.6, 0.0); (639049.1, 4177610.6, 18.6, 18.6, 0.0);
(639068.1, 4177619.7, 18.5, 18.5, 0.0); (639087.2, 4177628.8, 18.5, 18.5, 0.0);
(639125.5, 4177647.7, 18.4, 18.4, 0.0); (639144.8, 4177657.5, 18.3, 18.3, 0.0);
(639164.1, 4177667.4, 18.3, 18.3, 0.0); (639204.1, 4177687.6, 18.2, 18.2, 0.0);
(639224.9, 4177698.0, 18.1, 18.1, 0.0); (639245.7, 4177708.4, 18.1, 18.1, 0.0);
(639266.5, 4177718.8, 18.0, 18.0, 0.0); (639287.3, 4177729.2, 17.9, 17.9, 0.0);
(639328.7, 4177750.1, 17.8, 17.8, 0.0); (639349.4, 4177760.6, 17.7, 17.7, 0.0);
(639370.1, 4177771.1, 17.6, 17.6, 0.0); (639412.3, 4177793.2, 17.5, 17.5, 0.0);
(639434.0, 4177804.9, 17.3, 17.3, 0.0); (639469.0, 4177827.9, 17.1, 17.1, 0.0);
(639482.4, 4177839.2, 17.0, 17.0, 0.0); (639506.1, 4177867.1, 17.1, 17.1, 0.0);
(639493.8, 4177800.3, 17.7, 17.7, 0.0); (639472.8, 4177789.7, 17.6, 17.6, 0.0);
(639451.7, 4177779.1, 17.4, 17.4, 0.0); (639430.6,

```
4177768.5,      17.8,      17.8,       0.0);
     ( 639409.5, 4177757.8,      17.8,      17.8,       0.0);         ( 639388.5,
4177747.2,      17.9,      17.9,       0.0);
     ( 639367.4, 4177736.6,      17.9,      17.9,       0.0);         ( 639346.3,
4177726.0,      17.9,      17.9,       0.0);
     ( 639325.2, 4177715.4,      18.1,      18.1,       0.0);         ( 639282.4,
4177693.5,      18.1,      18.1,       0.0);
     ( 639260.6, 4177682.2,      18.1,      18.1,       0.0);         ( 639238.8,
4177671.0,      18.2,      18.2,       0.0);
     ( 639217.1, 4177659.7,      18.3,      18.3,       0.0);         ( 639195.3,
4177648.4,      18.4,      18.4,       0.0);
     ( 639173.5, 4177637.1,      18.4,      18.4,       0.0);         ( 639151.7,
4177625.9,      18.4,      18.4,       0.0);
     ( 639130.0, 4177614.6,      18.5,      18.5,       0.0);         ( 639108.2,
4177603.3,      18.5,      18.5,       0.0);
     ( 639086.4, 4177592.0,      18.6,      18.6,       0.0);         ( 639045.6,
4177570.6,      18.6,      18.6,       0.0);
     ( 639026.7, 4177560.5,      18.5,      18.5,       0.0);         ( 638691.7,
4177391.6,      19.4,      19.4,       0.0);
     ( 638670.5, 4177381.4,      19.4,      19.4,       0.0);         ( 638649.3,
4177371.1,      19.3,      19.3,       0.0);
     ( 638628.1, 4177360.9,      19.3,      19.3,       0.0);         ( 638606.9,
4177350.7,      19.4,      19.4,       0.0);
     ( 638585.7, 4177340.5,      19.4,      19.4,       0.0);         ( 638564.5,
4177330.2,      19.6,      19.6,       0.0);
     ( 638543.3, 4177320.0,      19.7,      19.7,       0.0);
```

```
 *** MODELOPTs:    NonDFAULT  CONC  ELEV  FASTAREA  URBAN  ADJ_U*

                                            *** METEOROLOGICAL DAYS SELECTED FOR
PROCESSING ***
                                                               (1=YES; 0=NO)

            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1

                NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS
INCLUDED IN THE DATA FILE.



                                  *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED
CATEGORIES ***
                                                            (METERS/SEC)

                                                 1.54,   3.09,   5.14,   8.23,  10.80,
```

 *** MODELOPTs:

 *** Message Summary : AERMOD Model Execution ***

  --------- Summary of Total Messages --------

 A Total of   0 Fatal Error Message(s)
 A Total of   1 Warning Message(s)
 A Total of   0 Informational Message(s)

    ******** FATAL ERROR MESSAGES ********
               *** NONE ***

    ********   WARNING MESSAGES   ********
 ME W187   138   MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

    ****
    *** AERMOD Finishes Successfully ***
    ****

HARP2 - HRACalc (dated 19044) 7/23/2020 10:26:37 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 0
Total Exposure Duration: 2

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 2
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home

3rd Trimester to 16 years: OFF
16 years to 70 years: ON

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|DBRs changed|FAH changed|
Calculating cancer risk
Cancer risk saved to: C:\Users\19551\OneDrive - ICF\Valley Link\Tracy\HARP\Tracy_0-2CancerRisk.csv
Calculating chronic risk
Chronic risk saved to: C:\Users\19551\OneDrive - ICF\Valley Link\Tracy\HARP\Tracy_0-2NCChronicRisk.csv
Calculating acute risk
Acute risk saved to: C:\Users\19551\OneDrive - ICF\Valley Link\Tracy\HARP\Tracy_0-2NCAcuteRisk.csv
HRA ran successfully

HARP2 - HRACalc (dated 19044) 7/23/2020 10:43:43 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 2
Total Exposure Duration: 2

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 2
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home

3rd Trimester to 16 years: OFF
16 years to 70 years: ON

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|DBRs changed|FAH changed|
Calculating cancer risk
Cancer risk saved to: C:\Users\19551\OneDrive - ICF\Valley Link\Tracy\HARP\Tracy_2-9CancerRisk.csv
Calculating chronic risk
Chronic risk saved to: C:\Users\19551\OneDrive - ICF\Valley Link\Tracy\HARP\Tracy_2-9NCChronicRisk.csv
Calculating acute risk
Acute risk saved to: C:\Users\19551\OneDrive - ICF\Valley Link\Tracy\HARP\Tracy_2-9NCAcuteRisk.csv
HRA ran successfully

HARP2 - HRACalc (dated 19044) 7/23/2020 10:38:05 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 0
Total Exposure Duration: 2

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 2
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home

3rd Trimester to 16 years: OFF
16 years to 70 years: ON

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|DBRs changed|FAH changed|
Calculating cancer risk
Cancer risk saved to: C:\Users\19551\OneDrive - ICF\Valley Link\Tracy\HARP\Tracy_0-2_AltCancerRisk.csv
Calculating chronic risk
Chronic risk saved to: C:\Users\19551\OneDrive - ICF\Valley Link\Tracy\HARP\Tracy_0-2_AltNCChronicRisk.csv
Calculating acute risk
Acute risk saved to: C:\Users\19551\OneDrive - ICF\Valley Link\Tracy\HARP\Tracy_0-2_AltNCAcuteRisk.csv
HRA ran successfully

HARP2 - HRACalc (dated 19044) 7/23/2020 10:48:43 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 2
Total Exposure Duration: 2

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 2
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home

3rd Trimester to 16 years: OFF
16 years to 70 years: ON

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|DBRs changed|FAH changed|
Calculating cancer risk
Cancer risk saved to: C:\Users\19551\OneDrive - ICF\Valley Link\Tracy\HARP\Tracy_2-9_AltCancerRisk.csv
Calculating chronic risk
Chronic risk saved to: C:\Users\19551\OneDrive - ICF\Valley Link\Tracy\HARP\Tracy_2-9_AltNCChronicRisk.csv
Calculating acute risk
Acute risk saved to: C:\Users\19551\OneDrive - ICF\Valley Link\Tracy\HARP\Tracy_2-9_AltNCAcuteRisk.csv
HRA ran successfully

Construction BPT Analysis

Valley Link Construction Emissions (Maximum Scenario)

Total Tons (2022-2024)

Air District	ROG	NOx	CO	SO2	PM10	PM2.5
BAAQMD	12	102	159	0	105	30
SJVAPCD	52	74	83	281	148	3,751

Average Tons per Year

Air District	ROG	NOx	CO	SO2	PM10	PM2.5
BAAQMD	6	51	79	0	53	15
SJVAPCD	26	37	42	140	74	1,875

Average Tons per Day

Air District	ROG	NOx	CO	SO2	PM10	PM2.5
BAAQMD	0.02	0.14	0.22	0.00	0.14	0.04
SJVAPCD	0.07	0.10	0.11	0.38	0.20	5.14

BAAQMD Maximum Emissions Analysis

Pollutant	Project tpd	Regional tpd	% project
ROG	0.02	259	0.01%
NOx	0.14	300	0.05%
PM2.5	0.04	47	0.09%

SJVAPCD Maximum Emissions Analysis

Pollutant	Project tpd	Regional tpd	% project
NOx	0.10	272	0.04%
PM10	0.20	265	0.08%
CO	0.11	672	0.02%
PM2.5	5.14	60.5	8.49%
ROG	0.07	316	0.02%

BAAQMD Clean Air Plan Data

Pollutant	Tons	Year	Source
ROG	259	tpd (2015 est.)	Page 2-14
NOx	300	tpd (2015 est.)	Page 2-14
PM10	109	tpd (2015 est.)	Page 2-18
PM2.5	47	tpd (2015 est.)	Page 2-18

Used, most recent inventory

SJVAPCD Inventories

Most recent year in SIP

Pollutant	Tons	Year	Source
ROG	316	tpd (2015 est.)	2016 8-Hour Ozone Plan, Table B-2
NOx	272	tpd (2015 est.)	2016 8-Hour Ozone Plan, Table B-1
PM10	285	tpd (2005 est.)	2007 PM10 Plan, Table 10
PM2.5	60.5	tpd (2013 est.)	2018 PM2.5 Plan, Table 5-3

Other SIP Data

Pollutant	Tons	Year	Source
ROG	325	tpd (2013 e	2018 PM2.5 Plan, Table 5-3
NOx	288	tpd (2013 e	2018 PM2.5 Plan, Table 5-3

Other SIP Data

Pollutant	Tons	Year	Source
ROG	383	tpd (2005 est.)	2007 PM10 Plan, Table 10
NOx	617	tpd (2005 est.)	2007 PM10 Plan, Table 10

CARB 2012 Emissions inventory for SJVAB

Pollutant	Tons	Year	Source
ROG	326.2	tpd (2012 est.)	https://www.arb.ca.gov/app/emsinv/2017/emseic1_query.php?F_DIV=-4&F_YR=2012&F_SEASON=A&SP=SIP105ADJ&F_AREA=AB&F_AB=SJV&F_DD=Y
NOx	339.2	tpd (2012 est.)	""
PM10	264.7	tpd (2012 est.)	""
PM2.5	63.6	tpd (2012 est.)	""
CO	672.3	tpd (2012 est.)	""

Estimated Incidence of Health Endpoints Based on Directly Emitted NOx, SOx, and PM2.5 Emissions

Health endpoint	Incidence
Premature Mortality	3
Respiratory emergency room visits	<1
Acute bronchitis	2
Lower respiratory symptoms	22
Upper respiratory symptoms	33
Minor Restricted Activity Days	965
Work loss days	163
Asthma exacerbation	38
Cardiovascular hospital admissions	<1
Respiratory hospital admissions	<1
Non-fatal heart attacks (Peters)	1
Non-fatal heart attacks (All others)	<1

BPT Source Matching

Project Emission Category	Direct NOx, SOx, or PM?	EPA BPT Sector
Demolition	Yes	*None*
Employee	Yes	On-Road Mobile
Grading	Yes	*None*
Offroad	Yes	Non-Road Mobile
Onroad	Yes	On-Road Mobile
Concrete Dust	No	*None*
Locomotives	Yes	Locomotive…marine vessels

Emissions by BPT Sector

EPA BPT Sector	Average Tons per Year		
	NOx	SO2	PM25
Non-Road Mobile	6.21	0.09	0.20
Locomotive…marine vessels	78.40	0.03	2.66
On-Road Mobile	15.79	0.33	23.72

Risk Analysis

			Incidence				
Category	Health endpoint	Pollutant	Non-Road Mobile	Locomotive…marine vessels	On-Road Mobile	Total	Rounded
Premature Mortality	Premature Mortality	NOx	0.0112	0.1490	0.0316	0.1917	<1
	Premature Mortality	SO2	0.0011	0.0007	0.0017	0.0034	<1
	Premature Mortality	PM25	0.0162	0.1700	2.3006	2.4868	3
	Premature Mortality	**Total**	-	-	-	**2.6819**	**3**
Morbidity	Respiratory emergency room visits	NOx	0.0027	0.0337	0.0077	0.0442	<1
	Respiratory emergency room visits	SO2	0.0002	0.0002	0.0004	0.0008	<1
	Respiratory emergency room visits	PM25	0.0043	0.0425	0.5929	0.6397	<1
	Respiratory emergency room visits	**Total**	-	-	-	**0.6847**	**<1**
	Acute bronchitis	NOx	0.0075	0.0941	0.0205	0.1221	<1
	Acute bronchitis	SO2	0.0008	0.0005	0.0012	0.0025	<1
	Acute bronchitis	PM25	0.0103	0.1062	1.5179	1.6345	2
	Acute bronchitis	**Total**	-	-	-	**1.7591**	**2**
	Lower respiratory symptoms	NOx	0.0994	1.2544	0.2526	1.6065	2
	Lower respiratory symptoms	SO2	0.0098	0.0068	0.0156	0.0323	<1
	Lower respiratory symptoms	PM25	0.1327	1.3810	19.2114	20.7250	21
	Lower respiratory symptoms	**Total**	-	-	-	**22.3637**	**22**
	Upper respiratory symptoms	NOx	0.1367	1.7248	0.3790	2.2405	2
	Upper respiratory symptoms	SO2	0.0143	0.0096	0.0224	0.0463	<1
	Upper respiratory symptoms	PM25	0.1892	1.9652	28.4613	30.6157	31
	Upper respiratory symptoms	**Total**	-	-	-	**32.9026**	**33**
	Minor Restricted Activity Days	NOx	4.0388	51.7449	10.8949	66.6785	67
	Minor Restricted Activity Days	SO2	0.3832	0.2987	0.6180	1.2999	1
	Minor Restricted Activity Days	PM25	5.8526	61.0808	830.1214	897.0548	897
	Minor Restricted Activity Days	**Total**	-	-	-	**965.0332**	**965**
	Work loss days	NOx	0.6835	8.6241	1.8948	11.2024	11
	Work loss days	SO2	0.0651	0.0498	0.1073	0.2222	<1
	Work loss days	PM25	0.9754	10.3572	139.9347	151.2674	151
	Work loss days	**Total**	-	-	-	**162.6919**	**163**
	Asthma exacerbation	NOx	0.1616	2.0384	0.4421	2.6421	3
	Asthma exacerbation	SO2	0.0160	0.0115	0.0263	0.0539	<1
	Asthma exacerbation	PM25	0.2146	2.3104	33.2049	35.7299	36
	Asthma exacerbation	**Total**	-	-	-	**38.4259**	**38**
	Cardiovascular hospital admissions	NOx	0.0012	0.0157	0.0033	0.0202	<1
	Cardiovascular hospital admissions	SO2	0.0001	0.0001	0.0002	0.0003	<1
	Cardiovascular hospital admissions	PM25	0.0017	0.0181	0.2372	0.2570	<1
	Cardiovascular hospital admissions	**Total**	-	-	-	**0.2775**	**<1**
	Respiratory hospital admissions	NOx	0.0011	0.0149	0.0032	0.0192	<1
	Respiratory hospital admissions	SO2	0.0001	0.0001	0.0002	0.0003	<1
	Respiratory hospital admissions	PM25	0.0016	0.0170	0.2324	0.2510	<1
	Respiratory hospital admissions	**Total**	-	-	-	**0.2705**	**<1**
	Non-fatal heart attacks (Peters)	NOx	0.0047	0.0627	0.0133	0.0807	<1
	Non-fatal heart attacks (Peters)	SO2	0.0004	0.0003	0.0007	0.0013	<1
	Non-fatal heart attacks (Peters)	PM25	0.0068	0.0717	0.9724	1.0510	1
	Non-fatal heart attacks (Peters)	**Total**	-	-	-	**1.1330**	**1**
	Non-fatal heart attacks (All others)	NOx	0.0005	0.0067	0.0014	0.0087	<1
	Non-fatal heart attacks (All others)	SO2	0.0000	0.0000	0.0001	0.0001	<1
	Non-fatal heart attacks (All others)	PM25	0.0007	0.0077	0.1067	0.1152	<1
	Non-fatal heart attacks (All others)	**Total**	-	-	-	**0.1240**	**<1**

ton per pound	0.0005
days per year	365

Source	Total Tons (2022-2024)			
	NOx	PM2.5 Ex	PM2.5 Dust	SO2
Demolition	0	0	2	0
Employee	11	0	44	1
Grading	0	0	8	0
Offroad	12	0	0	0
Onroad	21	0	3	0
Concrete Dust	0	0	0	0
Locomotive	157	5	0	0
Total	201	6	56	1

Years of construction 2022 2024 2

Source	Average Tons per Year			
	NOx	PM2.5 Ex	PM2.5 Dust	SO2
Demolition	0	0	1	0
Employee	5	0	22	0
Grading	0	0	4	0
Offroad	6	0	0	0
Onroad	10	0	1	0
Concrete Dust	0	0	0	0
Locomotive	78	3	0	0

BPT Sector	Average Tons per Year		
	NOx	PM2.5	SO2
Non-Road Mobile	6	0	0
On-Road Mobile	16	24	0
Locomotive…marine vessels	78	3	0

	NOx	PM2.5	SO2
All other sectors	0	9	0
% of total	0%	15%	0%

On-Road Mobile Source Sector

Category	Health endpoint	Pollutant	Incidence per ton	Citation within EPA 2018
Premature Mortality	Premature Mortality	NOx	0.002000	Lepeule et al. (2012), Table 30
	Premature Mortality	SO2	0.005200	Lepeule et al. (2012), Table 30
	Premature Mortality	PM25	0.097000	Lepeule et al. (2012), Table 30
Morbidity	Respiratory emergency room visits	NOx	0.000490	Table 30
	Respiratory emergency room visits	SO2	0.001200	Table 30
	Respiratory emergency room visits	PM25	0.025000	Table 30
	Acute bronchitis	NOx	0.001300	Table 30
	Acute bronchitis	SO2	0.003800	Table 30
	Acute bronchitis	PM25	0.064000	Table 30
	Lower respiratory symptoms	NOx	0.016000	Table 30
	Lower respiratory symptoms	SO2	0.048000	Table 30
	Lower respiratory symptoms	PM25	0.810000	Table 30
	Upper respiratory symptoms	NOx	0.024000	Table 30
	Upper respiratory symptoms	SO2	0.069000	Table 30
	Upper respiratory symptoms	PM25	1.200000	Table 30
	Minor Restricted Activity Days	NOx	0.690000	Table 30
	Minor Restricted Activity Days	SO2	1.900000	Table 30
	Minor Restricted Activity Days	PM25	35.000000	Table 30
	Work loss days	NOx	0.120000	Table 30
	Work loss days	SO2	0.330000	Table 30
	Work loss days	PM25	5.900000	Table 30
	Asthma exacerbation	NOx	0.028000	Table 30
	Asthma exacerbation	SO2	0.081000	Table 30
	Asthma exacerbation	PM25	1.400000	Table 30
	Cardiovascular hospital admissions	NOx	0.000210	Table 30
	Cardiovascular hospital admissions	SO2	0.000500	Table 30
	Cardiovascular hospital admissions	PM25	0.010000	Table 30
	Respiratory hospital admissions	NOx	0.000200	Table 30
	Respiratory hospital admissions	SO2	0.000480	Table 30
	Respiratory hospital admissions	PM25	0.009800	Table 30
	Non-fatal heart attacks (Peters)	NOx	0.000840	Table 30
	Non-fatal heart attacks (Peters)	SO2	0.002000	Table 30
	Non-fatal heart attacks (Peters)	PM25	0.041000	Table 30
	Non-fatal heart attacks (All others)	NOx	0.000091	Table 30
	Non-fatal heart attacks (All others)	SO2	0.000220	Table 30
	Non-fatal heart attacks (All others)	PM25	0.004500	Table 30

Non-Road Mobile Source Sector

Category	Health endpoint	Pollutant	Incidence per ton	Citation within EPA 2018
Premature Mortality	Premature Mortality	NOx	0.001800	Lepeule et al. (2012), Table 28
	Premature Mortality	SO2	0.012000	Lepeule et al. (2012), Table 28
	Premature Mortality	PM25	0.083000	Lepeule et al. (2012), Table 28
Morbidity	Respiratory emergency room visits	NOx	0.000440	Table 28
	Respiratory emergency room visits	SO2	0.002800	Table 28
	Respiratory emergency room visits	PM25	0.022000	Table 28
	Acute bronchitis	NOx	0.001200	Table 28
	Acute bronchitis	SO2	0.008700	Table 28
	Acute bronchitis	PM25	0.053000	Table 28
	Lower respiratory symptoms	NOx	0.016000	Table 28
	Lower respiratory symptoms	SO2	0.110000	Table 28
	Lower respiratory symptoms	PM25	0.680000	Table 28
	Upper respiratory symptoms	NOx	0.022000	Table 28
	Upper respiratory symptoms	SO2	0.160000	Table 28
	Upper respiratory symptoms	PM25	0.970000	Table 28
	Minor Restricted Activity Days	NOx	0.650000	Table 28
	Minor Restricted Activity Days	SO2	4.300000	Table 28
	Minor Restricted Activity Days	PM25	30.000000	Table 28
	Work loss days	NOx	0.110000	Table 28
	Work loss days	SO2	0.730000	Table 28
	Work loss days	PM25	5.000000	Table 28
	Asthma exacerbation	NOx	0.026000	Table 28
	Asthma exacerbation	SO2	0.180000	Table 28
	Asthma exacerbation	PM25	1.100000	Table 28
	Cardiovascular hospital admissions	NOx	0.000190	Table 28
	Cardiovascular hospital admissions	SO2	0.001100	Table 28
	Cardiovascular hospital admissions	PM25	0.008900	Table 28
	Respiratory hospital admissions	NOx	0.000180	Table 28
	Respiratory hospital admissions	SO2	0.001000	Table 28
	Respiratory hospital admissions	PM25	0.008300	Table 28
	Non-fatal heart attacks (Peters)	NOx	0.000760	Table 28
	Non-fatal heart attacks (Peters)	SO2	0.004500	Table 28
	Non-fatal heart attacks (Peters)	PM25	0.035000	Table 28
	Non-fatal heart attacks (All others)	NOx	0.000082	Table 28
	Non-fatal heart attacks (All others)	SO2	0.000490	Table 28
	Non-fatal heart attacks (All others)	PM25	0.003800	Table 28

Locomotives and marine vessels sector

Category	Health endpoint	Pollutant	Incidence per ton	Citation within EPA 2018
Premature Mortality	Premature Mortality	NOx	0.001900	Lepeule et al. (2012), Table 26
	Premature Mortality	SO2	0.022000	Lepeule et al. (2012), Table 26
	Premature Mortality	PM25	0.064000	Lepeule et al. (2012), Table 26
Morbidity	Respiratory emergency room visits	NOx	0.000430	Table 26
	Respiratory emergency room visits	SO2	0.005200	Table 26
	Respiratory emergency room visits	PM25	0.016000	Table 26
	Acute bronchitis	NOx	0.001200	Table 26
	Acute bronchitis	SO2	0.017000	Table 26
	Acute bronchitis	PM25	0.040000	Table 26
	Lower respiratory symptoms	NOx	0.016000	Table 26
	Lower respiratory symptoms	SO2	0.220000	Table 26
	Lower respiratory symptoms	PM25	0.520000	Table 26
	Upper respiratory symptoms	NOx	0.022000	Table 26
	Upper respiratory symptoms	SO2	0.310000	Table 26
	Upper respiratory symptoms	PM25	0.740000	Table 26
	Minor Restricted Activity Days	NOx	0.660000	Table 26
	Minor Restricted Activity Days	SO2	9.600000	Table 26
	Minor Restricted Activity Days	PM25	23.000000	Table 26
	Work loss days	NOx	0.110000	Table 26
	Work loss days	SO2	1.600000	Table 26
	Work loss days	PM25	3.900000	Table 26
	Asthma exacerbation	NOx	0.026000	Table 26
	Asthma exacerbation	SO2	0.370000	Table 26
	Asthma exacerbation	PM25	0.870000	Table 26
	Cardiovascular hospital admissions	NOx	0.000200	Table 26
	Cardiovascular hospital admissions	SO2	0.002500	Table 26
	Cardiovascular hospital admissions	PM25	0.006800	Table 26
	Respiratory hospital admissions	NOx	0.000190	Table 26
	Respiratory hospital admissions	SO2	0.002200	Table 26
	Respiratory hospital admissions	PM25	0.006400	Table 26
	Non-fatal heart attacks (Peters)	NOx	0.000800	Table 26
	Non-fatal heart attacks (Peters)	SO2	0.009500	Table 26
	Non-fatal heart attacks (Peters)	PM25	0.027000	Table 26
	Non-fatal heart attacks (All others)	NOx	0.000086	Table 26
	Non-fatal heart attacks (All others)	SO2	0.001000	Table 26
	Non-fatal heart attacks (All others)	PM25	0.002900	Table 26

Incidence per ton from EPA Technical Support Document - Estimating the Benefit per Ton of Reducing PM2.5 Precursors from 17 Sectors
https://www.epa.gov/benmap/estimating-benefit-ton-reducing-pm25-precursors-17-sectors

Appendix L.5

Valley Link

Operational Criteria Pollutant and Greenhouse Gas Emission Calculations

Table 1: Summary of Operational Air Quality for the Proposed Project and Stone Cut Alignment Alternative

Location/Scenario	Net pounds per weekday					Net tons per year				
Proposed Project	**ROG**	**NO_X**	**CO**	**PM10**	**PM2.5**	**ROG**	**NO_X**	**CO**	**PM10**	**PM2.5**
Bay Area Air Quality Management District										
Greenville IOS 2025 DMU Technology Option	(9)	(6)	(82)	(24)	(6)	(1.3)	(0.8)	(11.2)	(3.3)	(0.8)
Mountain House IOS 2025 DMU Technology Option	(9)	24	(45)	(24)	(6)	(1.3)	3.2	(6.1)	(3.2)	(0.8)
2025 DMU Technology Option	(16)	(5)	(113)	(39)	(10)	(2.1)	(0.7)	(15.6)	(5.4)	(1.4)
2040 DMU Technology Option	(23)	(51)	(230)	(101)	(25)	(3.2)	(7.1)	(31.9)	(14.0)	(3.5)
Greenville IOS 2025 HBMU Technology Option	(9)	(10)	(87)	(24)	(6)	(1.3)	(1.3)	(11.9)	(3.3)	(0.8)
Mountain House IOS 2025 HBMU Technology Option	(10)	16	(55)	(24)	(6)	(1.3)	2.2	(7.4)	(3.3)	(0.8)
2025 HBMU Technology Option	(16)	(13)	(123)	(39)	(10)	(2.2)	(1.8)	(17.0)	(5.4)	(1.4)
2040 HBMU Technology Option	(23)	(61)	(243)	(102)	(26)	(3.3)	(8.5)	(33.7)	(14.2)	(3.6)
Greenville IOS 2025 BEMU Technology Option	(11)	(39)	(125)	(25)	(6)	(1.4)	(5.4)	(17.1)	(3.4)	(0.9)
Mountain House IOS 2025 BEMU Technology Option	(12)	(41)	(127)	(25)	(7)	(1.6)	(5.6)	(17.4)	(3.3)	(0.9)
2025 BEMU Technology Option	(18)	(68)	(194)	(40)	(10)	(2.5)	(9.4)	(26.8)	(5.5)	(1.3)
2040 BEMU Technology Option	(26)	(135)	(336)	(101)	(26)	(3.7)	(18.8)	(46.6)	(14.0)	(3.6)
Greenville IOS 2025 Loco Technology Option	(9)	2	(71)	(24)	(6)	(1)	0	(10)	(3)	(1)
Mountain House IOS 2025 Loco Technology Option	(9)	41	(23)	(24)	(5)	(1)	6	(3)	(3)	(1)
2025 Loco Technology Option	(15)	12	(91)	(39)	(10)	(2)	2	(13)	(5)	(1)
2040 Loco Technology Option	(22)	(27)	(200)	(101)	(25)	(3)	(4)	(28)	(14)	(3)
2040 Bus/BRT	(5)	(23)	(58)	(17)	(5)	(0.6)	(3.2)	(8.1)	(2.4)	(0.6)
2040 Locomotive	(22)	(27)	(200)	(101)	(25)	(3.1)	(3.8)	(27.8)	(14.0)	(3.5)
2040 EMU/OCS	(26)	(136)	(337)	(101)	(26)	(3.7)	(18.9)	(46.9)	(14.0)	(3.6)
2025 DMU Technology Option, Stone Cut Alignment	(16)	(6)	(114)	(39)	(10)	(2)	(1)	(16)	(5)	(1)
2040 DMU Technology Option, Stone Cut Alignment	(23)	(52)	(232)	(101)	(25)	(3)	(7)	(32)	(14)	(4)
BAAQMD Threshold	*54*	*54*	-	*82*	*54*	-	-	-	-	-
San Joaquin Valley Air Pollution Control District										
Greenville IOS 2025 DMU Technology Option	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
Mountain House IOS 2025 DMU Technology Option	2	5	7	0	0	0.2	0.7	1.02	0.01	0.04
2025 DMU Technology Option	(5)	1	(51)	(20)	(4)	(0.7)	0.1	(7.1)	(2.7)	(0.6)
2040 DMU Technology Option	(12)	(29)	(142)	(62)	(16)	(1.7)	(4.1)	(19.7)	(8.6)	(2.2)
Greenville IOS 2025 HBMU Technology Option	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
Mountain House IOS 2025 HBMU Technology Option	2	5	7	0	0	0.2	0.7	0.9	0.01	0.04
2025 HBMU Technology Option	(5)	(3)	(56)	(20)	(4)	(0.7)	(0.4)	(7.7)	(2.8)	(0.6)
2040 HBMU Technology Option	(12)	(36)	(150)	(62)	(16)	(1.7)	(5.0)	(20.9)	(8.6)	(2.2)
Greenville IOS 2025 BEMU Technology Option	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
Mountain House IOS 2025 BEMU Technology Option	2	2	3	0	0	0.2	0.2	0.4	0.01	0.04
2025 BEMU Technology Option	(6)	(31)	(92)	(20)	(4)	(0.9)	(4.3)	(12.7)	(2.8)	(0.6)
2040 BEMU Technology Option	(14)	(83)	(209)	(62)	(16)	(2.0)	(11.5)	(29.1)	(8.5)	(2.2)
Greenville IOS 2025 Loco Technology Option	0	0	0	0	0	0	0	0	0	0
Mountain House IOS 2025 Loco Technology Option	2	10	13	0	0	0	1	2	0	0
2025 Loco Technology Option	(5)	9	(40)	(20)	(4)	(1)	1	(6)	(3)	(1)
2040 Loco Technology Option	(12)	(84)	(210)	(62)	(16)	(2)	(12)	(29)	(9)	(2)
SJVAPCD Threshold	*100*	*100*	*100*	*100*	*100*	*10*	*10*	*100*	*15*	*15*
2040 Bus/BRT	(0)	(12)	(34)	(9)	(2)	(0.1)	(1.7)	(4.7)	(1.3)	(0.3)
2040 Locomotive	(12)	(15)	(123)	(62)	(15)	(1.6)	(2.0)	(17.1)	(8.6)	(2.1)
2040 EMU/OCS	(14)	(84)	(210)	(62)	(16)	(2.0)	(11.6)	(29.2)	(8.6)	(2.2)
2025 DMU Technology Option, Stone Cut Alignment	(5)	1	(51)	(20)	(4)	(0.7)	0.1	(7.1)	(2.7)	(0.6)
2040 DMU Technology Option, Stone Cut Alignment.	(12)	(29)	(142)	(62)	(16)	(1.7)	(4.1)	(19.7)	(8.6)	(2.2)

Table 2: Summary of Operational Air Quality for the Southfront Road Station Alternative

Location/Scenario	Net pounds per weekday					Net tons per year				
Southfront	**ROG**	**NO_X**	**CO**	**PM10**	**PM2.5**	**ROG**	**NO_X**	**CO**	**PM10**	**PM2.5**
Bay Area Air Quality Management District										
Southfront IOS 2025 DMU Technology Option	(10)	(14)	(97)	(26)	(6)	(1)	(2)	(13)	(4)	(1)
Mountain House IOS 2025 DMU Technology Option	(10)	21	(53)	(25)	(6)	(1)	3	(7)	(3)	(1)
2025 DMU Technology Option	(16)	(7)	(117)	(40)	(10)	(2)	(1)	(16)	(6)	(1)
2040 DMU Technology Option	(24)	(56)	(243)	(105)	(26)	(3)	(8)	(34)	(15)	(4)
Southfront IOS 2025 HBMU Technology Option	(10)	(17)	(101)	(26)	(6)	(1)	(2)	(14)	(4)	(1)
Mountain House IOS 2025 HBMU Technology Option	(10)	14	(62)	(25)	(6)	(1)	2	(8)	(3)	(1)
2025 HBMU Technology Option	(16)	(14)	(127)	(40)	(10)	(2)	(2)	(17)	(6)	(1)
2040 HBMU Technology Option	(24)	(66)	(256)	(106)	(27)	(3)	(9)	(36)	(15)	(4)
Southfront IOS 2025 BEMU Technology Option	(11)	(42)	(133)	(26)	(7)	(2)	(6)	(18)	(4)	(1)
Mountain House IOS 2025 BEMU Technology Option	(13)	(42)	(134)	(26)	(7)	(2)	(6)	(18)	(4)	(1)
2025 BEMU Technology Option	(18)	(70)	(198)	(41)	(11)	(3)	(10)	(27)	(6)	(1)
2040 BEMU Technology Option	(27)	(141)	(349)	(105)	(27)	(4)	(20)	(49)	(15)	(4)
Southfront IOS 2025 LocoTechnology Option	(10)	(0)	(79)	(26)	(6)	(1)	(0)	(11)	(4)	(1)
Mountain House IOS 2025 Loco Technology Option	(9)	38	(31)	(25)	(6)	(1)	5	(4)	(3)	(1)
2025 Loco Technology Option	(15)	11	(95)	(40)	(10)	(2)	1	(13)	(6)	(1)
2040 Loco Technology Option	(23)	(33)	(213)	(105)	(26)	(3)	(5)	(30)	(15)	(4)
BAAQMD Threshold	*54*	*54*	-	*82*	*54*	-	-	-	-	-
San Joaquin Valley Air Pollution Control District										
Southfront IOS 2025 DMU Technology Option	0	0	0	0	0	0	0	0	0	0
Mountain House IOS 2025 DMU Technology Option	1.7	5.3	7.5	0.1	0.3	0.23	0.72	1.01	0.01	0.04
2025 DMU Technology Option	(5)	0.1	(53)	(20)	(4)	(1)	0.01	(7)	(3)	(1)
2040 DMU Technology Option	(13)	(33)	(151)	(64)	(16)	(2)	(5)	(21)	(9)	(2)
Southfront IOS 2025 HBMU Technology Option	0	0	0	0	0	0	0	0	0	0
Mountain House IOS 2025 HBMU Technology Option	1.67	4.88	6.94	0.08	0.32	0.23	0.66	0.94	0.01	0.04
2025 HBMU Technology Option	(6)	(4)	(58)	(20)	(4)	(1)	(1)	(8)	(3)	(1)
2040 HBMU Technology Option	(13)	(39)	(159)	(65)	(16)	(2)	(5)	(22)	(9)	(2)
Southfront IOS 2025 BEMU Technology Option	0	0	0	0	0	0	0	0	0	0
Mountain House IOS 2025 BEMU Technology Option	1.54	1.72	2.88	0.05	0.29	0.21	0.23	0.39	0.01	0.04
2025 BEMU Technology Option	(7)	(32)	(94)	(21)	(5)	(1)	(4)	(13)	(3)	(1)
2040 BEMU Technology Option	(15)	(87)	(218)	(64)	(17)	(2)	(12)	(30)	(9)	(2)
Southfront IOS 2040 LocoTechnology Option	0	0	0	0	0	0	0	0	0	0
Mountain House IOS 2040 Loco Technology Option	1.73	6.28	8.73	0.10	0.34	0.23	0.85	1.18	0.01	0.05
2025 Loco Technology Option	(5)	9	(42)	(20)	(4)	(1)	1	(6)	(3)	(1)
2040 Loco Technology Option	(13)	(28)	(144)	(64)	(16)	(2)	(4)	(20)	(9)	(2)
SJVAPCD Threshold	*100*	*100*	*100*	*100*	*100*	*10*	*10*	*100*	*15*	*15*

Table 3: Summary of Construction Greenhouse Gas Emissions

CONSTRUCTION	Emissions Estimate			
	CO_2	CH_4	N_2O	CO_2e
Proposed Project (Mitigated with AQ mitigation)				
Proposed Project Total Construction Emissions	77,213	5	3	78,132
Stone Cut Alignment Alternative (Mitigated with AQ Mitigation)				
Proposed Project Total Construction Emissions	77,028	5	3	77,945
Difference in Emissions with Alternatives				
Southfront Station Alternative vs. Greenville Station	267	0	0	269
West Tracy Station Alternative vs. Mountain House Station	664	0	0	670
West Tracy OMF Alternative vs. Tracy OMF	(643)	(0)	(0)	(646)
Downtown Tracy Alt. 1 vs. Downtown Tracy Station	0	0	0	0
Downtown Tracy Alt. 2 vs. Downtown Tracy Station	0	0	0	0
Stone Cut Alingment vs. Proposed Altamont Pass	(185)	(0)	(0)	(187)

Table 4: Summary of Operational Greenhouse Gas Emissions

OPERATIONS	$MTCO_2e$/Year		
Scenario	**Proposed Project**	**Scenario**	**Southfront**
DMU			
2025 Greenville IOS	(4,075)	2025 Southfront IOS	(5,511)
2025 Mountain House IOS	(3,481)	2025 Mountain House IOS	(3,980)
2025 Full Build	(12,852)	2025 Full Build	(13,221)
2040 Full Build	(32,220)	2040 Full Build	(33,880)
HBMU			
2025 Greenville IOS	(4,340)	2025 Southfront IOS	(5,733)
2025 Mountain House IOS	(3,991)	2025 Mountain House IOS	(4,490)
2025 Full Build	(13,576)	2025 Full Build	(13,946)
2040 Full Build	(33,291)	2040 Full Build	(34,951)
BEMU			
2025 Greenville IOS	(5,739)	2025 Southfront IOS	(6,871)
2025 Mountain House IOS	(6,673)	2025 Mountain House IOS	(7,172)
2025 Full Build	(17,247)	2025 Full Build	(17,616)
2040 Full Build	(40,990)	2040 Full Build	(42,650)
Locomotive			
2025 Greenville IOS	(3,551)	2025 Southfront IOS	(4,616)
2025 Mountain House IOS	(2,323)	2025 Mountain House IOS	(2,822)
2025 Full Build	(11,191)	2025 Full Build	(11,561)
2040 Locomotive	(29,776)	2040 Full Build	(31,436)
Alternatives			
2040 Bus/BRT	(11,529)		
2040 EMU/OCS, with PP Stations	(41,123)		
2040 EMU/OCS, with SF Alternative	(42,784)		

2025 DMU Stone Cut Alignment	(12,920)	2025 DMU Stone Cut Alignment	(13,292)
2040 DMU Stone Cut Alignment	(32,314)	2040 DMU Stone Cut Alignment	(33,979)
2025 HBMU Stone Cut Alignment	(13,637)	2025 HBMU Stone Cut Alignment	(14,008)
2040 HBMU Stone Cut Alignment	(33,374)	2040 HBMU Stone Cut Alignment	(35,038)
2025 BEMU Stone Cut Alignment	(17,268)	2025 BEMU Stone Cut Alignment	(17,638)
2040 BEMU Stone Cut Alignment	(40,997)	2040 BEMU Stone Cut Alignment	(42,657)
2025 Loco Stone Cut Alignment	(11,278)	2025 Loco Stone Cut Alignment	(11,650)
2040 Loco Stone Cut Alignment	(29,894)	2040 Loco Stone Cut Alignment	(31,561)

Table 5: Scaling of Operational HRA results to Account for Change in Service Plan

HRA SCALING

Interim 2025 # trains	Prior Trains	New Trains	Scaling Factor
Tri-Valley	107.00	106	99.07%
Altamont	NA	NA	NA
Tracy to Lathrop	NA	NA	NA

2025 # trains	Prior Trains	New Trains	Scaling Factor
Tri-Valley	110.00	106	96.36%
Altamont	56.00	106	189.29%
Tracy to Lathrop	55.00	54	98.18%

2040 # trains	Prior Trains	New Trains	Scaling Factor
Tri-Valley	134.00	144	107.46%
Altamont	65.00	144	221.54%
Tracy to Lathrop	64.00	100	156.25%

Along the Alignment - Original Service Plan

Segment/Scenario	Cancer Risk (per million)	Chronic HI	PM2.5 Concentration (ug/m^3)
Tri-Valley: Section 1			
2025 Interim	2.47	0.01	0.00285
Opening (2025)	2.54	0.01	0.00294
Design Year (2040)	3.10	0.01	0.00358
Tri-Valley: Section 2			
2025 Interim	2.21	0.01	0.00255
Opening (2025)	2.28	0.01	0.00263
Design Year (2040)	2.76	0.01	0.00319
Tri-Valley: Section 3			
2025 Interim	2.14	0.01	0.00247
Opening (2025)	2.21	0.01	0.00255
Design Year (2040)	2.68	0.01	0.0031
Altamont			
Opening (2025)	1.08	0.01	0.00125
Design Year (2040)	1.25	0.01	0.00145
Tracy to Lathrop			
Tracy to Lathrop: Section 1			
Opening (2025)	1.83	0.01	
Design Year (2040)	2.13	0.01	
Tracy to Lathrop: Section 2			
Opening (2025)	0.99	0.01	
Design Year (2040)	1.16	0.01	

Along the Alignment - DEIR

Segment/Scenario	Cancer Risk (per million)	Chronic HI	PM2.5 Concentration (ug/m^3)
Tri-Valley: Section 1			
2025 Interim	2.45	0.010	0.00282
Opening (2025)	2.45	0.010	0.00283
Design Year (2040)	3.33	0.011	0.00385
Tri-Valley: Section 2			
2025 Interim	2.19	0.010	0.00253
Opening (2025)	2.20	0.010	0.00253
Design Year (2040)	2.97	0.011	0.00343
Tri-Valley: Section 3			
2025 Interim	2.12	0.010	0.00245
Opening (2025)	2.13	0.010	0.00246
Design Year (2040)	2.88	0.011	0.00333
Altamont			
Opening (2025)	2.04	0.019	0.002
Design Year (2040)	2.77	0.022	0.003
Tracy to Lathrop			
Tracy to Lathrop: Section 1			
Opening (2025)	1.80	0.010	
Design Year (2040)	3.33	0.016	
Tracy to Lathrop: Section 2			
Opening (2025)	0.97	0.010	
Design Year (2040)	1.81	0.016	

IDLING - Original Service Plan

Segment/Scenario	Cancer Risk (per million)	Chronic HI	PM2.5 Concentration (ug/m^3)
Tri-Valley			
Dublin/Pleasanton Station			
2025 Interim	0.44	0.01	0.0005
Opening (2025)	0.45	0.01	0.00052
Design Year (2040)	0.55	0.01	0.00063
Greenville Station - South Alternative			
2025 Interim	0.17	0.01	0.00019
Opening (2025)	0.17	0.01	0.0002
Design Year (2040)	0.21	0.01	0.00024
Greenville Station			
2025 Interim	0.08	0.01	0.000097
Opening (2025)	0.09	0.01	0.0001
Design Year (2040)	0.10	0.01	0.00012
Isabel Station			
2025 Interim	0.25	0.01	0.00029
Opening (2025)	0.26	0.01	0.0003
Design Year (2040)	0.31	0.01	0.00036
Southfront Road Station			
Design Year (2040)	1.13	0.01	0.00131
Altamont			
Mountain House Station			
Opening (2025)	0.01	0.01	
Design Year (2040)	0.01	0.01	
West Tracy Station Alternative			
Opening (2025)	0.58	0.01	
Design Year (2040)	0.68	0.01	
Tracy to Lathrop			
Downtown Tracy Station			
Opening (2025)	0.63	0.01	
Design Year (2040)	0.74	0.01	
Downtown Tracy Station Variant 1			
Opening (2025)	0.63	0.01	
Design Year (2040)	0.74	0.01	
River Island Station			
Opening (2025)	0.01	0.01	
Design Year (2040)	0.01	0.01	
North Lathrop Station			
Opening (2025)	0.37	0.01	
Design Year (2040)	0.43	0.01	
SJVAPCD Significance Thresholds	**20.00**	**1**	

IDLING - DEIR

Segment/Scenario	Cancer Risk (per million)	Chronic HI	PM2.5 Concentration (ug/m^3)
Tri-Valley			
Dublin/Pleasanton Station			
2025 Interim	0.43	0.010	0.00050
Opening (2025)	0.43	0.010	0.00050
Design Year (2040)	0.59	0.011	0.00068
Greenville Station - South Alternative			
2025 Interim	0.17	0.010	0.00019
Opening (2025)	0.17	0.010	0.00019
Design Year (2040)	0.22	0.011	0.00026
Greenville Station			
2025 Interim	0.08	0.010	0.00010
Opening (2025)	0.08	0.010	0.00010
Design Year (2040)	0.11	0.011	0.00013
Isabel Station			
2025 Interim	0.25	0.010	0.00029
Opening (2025)	0.25	0.010	0.00029
Design Year (2040)	0.33	0.011	0.00039
Southfront Road Station			
Design Year (2040)	1.21	0.011	0.00141
Altamont			
Mountain House Station			
Opening (2025)	0.02	0.019	
Design Year (2040)	0.02	0.022	
West Tracy Station Alternative			
Opening (2025)	1.10	0.019	
Design Year (2040)	1.50	0.022	
Tracy to Lathrop			
Downtown Tracy Station			
Opening (2025)	0.62	0.010	
Design Year (2040)	1.15	0.016	
Downtown Tracy Station Variant 1			
Opening (2025)	0.62	0.010	
Design Year (2040)	1.15	0.016	
River Island Station			
Opening (2025)	0.01	0.010	
Design Year (2040)	0.02	0.016	
North Lathrop Station			
Opening (2025)	0.37	0.010	
Design Year (2040)	0.68	0.016	
SJVAPCD Significance Thresholds	**20.00**	**1**	

COMBINED - Original Service Plan

Location/Source	Cancer Risk (per million)	Chronic HI	PM2.5 Concentration (ug/m^3)
Tri-Valley			
Station Idling	0.55	0.01	0.00
Train Movements	3.10	0.01	0.00
Total	3.65	0.020	0.004
BAAQMD Threshold	10.00	1	0.3
Tracy to Lathrop			
Station Idling	0.74	0.01	
Train Movements	2.13	0.01	
Total	2.87	0.020	
SJVAPCD Threshold	20.00	1	

COMBINED - DEIR

Location/Source	Cancer Risk (per million)	Chronic HI	PM2.5 Concentration (ug/m^3)
Tri-Valley			
Station Idling	0.59	0.011	0.001
Train Movements	3.33	0.011	0.004
Total	3.92	0.021	0.005
BAAQMD Threshold	10.00	1	0.3
Altamont			
Station Idling	0.02	0.022	0.000
Train Movements	2.77	0.022	0.003
Total	2.79	0.044	0.003
BAAQMD Threshold	10.00	1	0.3
Tracy to Lathrop			
Station Idling	1.15	0.016	
Train Movements	3.33	0.016	
Total	4.48	0.031	
SJVAPCD Threshold	20.00	1	
Southfront			
Station Idling	1.21	0.011	0.0014
Train Movements	2.88	0.011	0.0033
Total	4.09	0.021	0.005
BAAQMD Threshold	10.00	1	0.3
West Tracy			
Station Idling	1.50	0.022	0.000
Train Movements	2.77	0.022	0.003
Total	4.26	0.044	0.003
SJVAPCD Threshold	20.00	1	1
Downtown Tracy Alt. 1			
Station Idling	1.15	0.016	
Train Movements	3.33	0.016	
Total	4.48	0.031	
SJVAPCD Threshold	20.00	1	

Table 6: Weekend Adjustments

Weekend CO2 adjust

	Train	OMF	VMT	Total
2025 Southfront IOS	17%	22%	11%	109%
2025 Greenville IOS	17%	22%	11%	108%
2025 SF Mtn. House IOS	17%	22%	11%	105%
2025 GV Mtn. House IOS	14%	22%	11%	107%
2025 Proposed Project	13%	22%	11%	110%
2040 Proposed Project	14%	22%	11%	110%
2025 Southfront	13%	22%	11%	110%
2040 Southfront	14%	22%	11%	110%

Weekend Nox adjust

	Train	OMF	VMT	Total
2025 Southfront IOS	17%	22%	11%	98%
2025 Greenville IOS	17%	22%	11%	72%
2025 SF Mtn. House IOS	17%	22%	11%	127%
2025 GV Mtn. House IOS	14%	22%	11%	118%
2025 Proposed Project	13%	22%	11%	54%
2040 Proposed Project	14%	22%	11%	106%
2025 Southfront	13%	22%	11%	71%
2040 Southfront	14%	22%	11%	107%

Weekend ROG adjust

	Train	OMF	VMT	Total
2025 Southfront IOS	17%	22%	11%	109%
2025 Greenville IOS	17%	22%	11%	108%
2025 SF Mtn. House IOS	17%	22%	11%	107%
2025 GV Mtn. House IOS	14%	22%	11%	108%
2025 Proposed Project	13%	22%	11%	109%
2040 Proposed Project	14%	22%	11%	110%
2025 Southfront	13%	22%	11%	109%
2040 Southfront	14%	22%	11%	110%

Annual Weekday CO2

	Train	OMF	VMT	TOTAL
2025 Southfront IOS	1,673	167	(6,904)	(5,063)
2025 Greenville IOS	1,991	167	(5,945)	(3,787)
2025 SF Mtn. House IOS	3,840	167	(7,802)	(3,795)
2025 GV Mtn. House IOS	3,946	167	(7,353)	(3,239)
2025 Proposed Project	5,616	366	(17,707)	(11,724)
2040 Proposed Project	8,280	304	(37,813)	(29,230)
2025 Southfront	5,616	366	(18,039)	(12,057)
2040 Southfront	8,280	304	(39,308)	(30,725)

Weekday Nox lb

	Train	OMF	VMT	TOTAL
2025 Southfront IOS	30	2	(45)	(13.70)
2025 Greenville IOS	35	2	(42)	(0.70)
2025 SF Mtn. House IOS	70	2	(45)	3.34
2025 GV Mtn. House IOS	70	2	(42)	3.66
2025 Proposed Project	99	3	(107)	(0.59)
2040 Proposed Project	146	3	(229)	(10.14)
2025 Southfront	99	3	(109)	(0.84)
2040 Southfront	146	3	(238)	(11.29)

Weekday ROG lb

	Train	OMF	VMT	TOTAL
2025 Southfront IOS	1	2	(13)	(10.14)
2025 Greenville IOS	1	2	(12)	(1.16)
2025 SF Mtn. House IOS	3	2	(13)	(1.07)
2025 GV Mtn. House IOS	3	2	(12)	(0.97)
2025 Proposed Project	4	3	(28)	(2.62)
2040 Proposed Project	6	2	(44)	(4.44)
2025 Southfront	4	3	(28)	(2.69)
2040 Southfront	6	2	(45)	(4.66)

Annual Total CO2

	Train	OMF	VMT	TOTAL
2025 Southfront IOS	1,953	204	(7,668)	(5,511)
2025 Greenville IOS	2,323	204	(6,603)	(4,075)
2025 SF Mtn. House IOS	4,482	204	(8,666)	(3,980)
2025 GV Mtn. House IOS	4,482	204	(8,167)	(3,481)
2025 Proposed Project	6,367	448	(19,666)	(12,852)
2040 Proposed Project	9,407	372	(41,998)	(32,220)
2025 Southfront	6,367	448	(20,036)	(13,221)
2040 Southfront	9,407	372	(43,659)	(33,880)

Annual Weekday Nox

	Train	OMF	VMT	TOTAL
2025 Southfront IOS	3.73	0.20	(5.66)	(1.73)
2025 Greenville IOS	4.44	0.20	(5.34)	(0.70)
2025 SF Mtn. House IOS	8.80	0.20	(5.66)	3.34
2025 GV Mtn. House IOS	8.80	0.20	(5.34)	3.66
2025 Proposed Project	12.52	0.44	(13.55)	(0.59)
2040 Proposed Project	18.46	0.35	(28.96)	(10.14)
2025 Southfront	12.52	0.44	(13.81)	(0.84)
2040 Southfront	18.46	0.35	(30.10)	(11.29)

Annual Weekday ROG

	Train	OMF	VMT	TOTAL
2025 Southfront IOS	0.16	0.19	(1.63)	(1.28)
2025 Greenville IOS	0.19	0.19	(1.54)	(1.16)
2025 SF Mtn. House IOS	0.37	0.19	(1.63)	(1.07)
2025 GV Mtn. House IOS	0.37	0.19	(1.54)	(0.97)
2025 Proposed Project	0.53	0.34	(3.49)	(2.62)
2040 Proposed Project	0.78	0.31	(5.53)	(4.44)
2025 Southfront	0.53	0.34	(3.56)	(2.69)
2040 Southfront	0.78	0.31	(5.75)	(4.66)

Weekend PM2.5adjust

	Train	OMF	VMT	Total
2025 Southfront IOS	17%	22%	11%	110%
2025 Greenville IOS	17%	22%	11%	110%
2025 SF Mtn. House IOS	17%	22%	11%	110%
2025 GV Mtn. House IOS	14%	22%	11%	110%
2025 Proposed Project	13%	22%	11%	110%
2040 Proposed Project	14%	22%	11%	111%
2025 Southfront	13%	22%	11%	110%
2040 Southfront	14%	22%	11%	111%

Annual Total Nox

	Train	OMF	VMT	TOTAL
2025 Southfront IOS	4.36	0.24	(6.29)	(1.69)
2025 Greenville IOS	5.18	0.24	(5.93)	(0.51)
2025 Mtn. House IOS	10.27	0.24	(6.29)	4.22
2025 Mtn. House IOS	9.99	0.24	(5.93)	4.31
2025 Proposed Project	14.20	0.54	(15.05)	(0.32)
2040 Proposed Project	20.98	0.43	(32.16)	(10.75)
2025 Southfront	14.20	0.54	(15.34)	(0.60)
2040 Southfront	20.98	0.43	(33.43)	(12.03)

Annual Total ROG

	Train	OMF	VMT	TOTAL
2025 Southfront IOS	0.18	0.24	(1.81)	(1.39)
2025 Greenville IOS	0.22	0.24	(1.71)	(1.25)
2025 Mtn. House IOS	0.43	0.24	(1.81)	(1.14)
2025 Mtn. House IOS	0.42	0.24	(1.71)	(1.05)
2025 Proposed Project	0.60	0.42	(3.88)	(2.86)
2040 Proposed Project	0.88	0.38	(6.14)	(4.88)
2025 Southfront	0.60	0.42	(3.95)	(2.94)
2040 Southfront	0.88	0.38	(6.39)	(5.13)

Weekday PM2.5 lb

	Train	OMF	VMT	TOTAL
2025 Southfront IOS	0.43	0.27	(7)	(6.34)
2025 Greenville IOS	0.51	0.27	(7)	(0.74)
2025 SF Mtn. House IOS	1	0	(7)	(0.73)
2025 GV Mtn. House IOS	1.01	0.27	(7)	(0.68)
2025 Proposed Project	1.44	0.63	(16)	(1.79)
2040 Proposed Project	2.12	0.62	(44)	(5.18)
2025 Southfront	1.44	0.63	(16)	(1.83)
2040 Southfront	2.12	0.62	(45)	(5.40)

Weekend CO adjust

	Train	OMF	VMT	Total
2025 Southfront IOS	17%	22%	11%	109%
2025 Greenville IOS	17%	22%	11%	108%
2025 SF Mtn. House IOS	17%	22%	11%	99%
2025 GV Mtn. House IOS	14%	22%	11%	104%
2025 Proposed Project	13%	22%	11%	109%
2040 Proposed Project	14%	22%	11%	110%
2025 Southfront	13%	22%	11%	109%
2040 Southfront	14%	22%	11%	110%

Weekend PM10 adjust

	Train	OMF	VMT	Total
2025 Southfront IOS	17%	22%	11%	111%
2025 Greenville IOS	17%	22%	11%	111%
2025 SF Mtn. House IOS	17%	22%	11%	111%
2025 GV Mtn. House IOS	14%	22%	11%	111%
2025 Proposed Project	13%	22%	11%	111%
2040 Proposed Project	14%	22%	11%	111%
2025 Southfront	13%	22%	11%	111%
2040 Southfront	14%	22%	11%	111%

Annual Weekday PM2.5

	Train	OMF	VMT	TOTAL
2025 Southfront IOS	0.05	0.03	(0.89)	(0.80)
2025 Greenville IOS	0.06	0.03	(0.84)	(0.74)
2025 SF Mtn. House IOS	0.13	0.03	(0.89)	(0.73)
2025 GV Mtn. House IOS	0.13	0.03	(0.84)	(0.68)
2025 Proposed Project	0.18	0.08	(2.05)	(1.79)
2040 Proposed Project	0.27	0.08	(5.53)	(5.18)
2025 Southfront	0.18	0.08	(2.09)	(1.83)
2040 Southfront	0.27	0.08	(5.74)	(5.40)

Weekday CO lb

	Train	OMF	VMT	TOTAL
2025 Southfront IOS	38	3	(137)	(96.62)
2025 Greenville IOS	45	3	(129)	(10.32)
2025 SF Mtn. House IOS	89	3	(137)	(5.73)
2025 GV Mtn. House IOS	89	3	(129)	(4.74)
2025 Proposed Project	127	6	(297)	(20.81)
2040 Proposed Project	187	4	(562)	(47.01)
2025 Southfront	127	6	(303)	(21.52)
2040 Southfront	187	4	(584)	(49.82)

Weekday PM10 lb

	Train	OMF	VMT	TOTAL
2025 Southfront IOS	0.44	0.03	(26)	(25.83)
2025 Greenville IOS	0.53	0.03	(25)	(3.06)
2025 SF Mtn. House IOS	1	0	(26)	(3.19)
2025 GV Mtn. House IOS	1.04	0.03	(25)	(3.00)
2025 Proposed Project	1.49	0.05	(61)	(7.49)
2040 Proposed Project	2.19	2.20	(167)	(20.61)
2025 Southfront	1.49	0.05	(62)	(7.64)
2040 Southfront	2.19	2.20	(174)	(21.45)

Annual Total PM2.5

	Train	OMF	VMT	TOTAL
2025 Southfront IOS	0.06	0.04	(0.99)	(0.88)
2025 Greenville IOS	0.08	0.04	(0.93)	(0.82)
2025 Mtn. House IOS	0.15	0.04	(0.99)	(0.80)
2025 Mtn. House IOS	0.15	0.04	(0.93)	(0.75)
2025 Proposed Project	0.21	0.10	(2.28)	(1.97)
2040 Proposed Project	0.31	0.10	(6.14)	(5.74)
2025 Southfront	0.21	0.10	(2.32)	(2.01)
2040 Southfront	0.31	0.10	(6.38)	(5.98)

Annual Weekday CO

	Train	OMF	VMT	TOTAL
2025 Southfront IOS	4.78	0.34	(17.34)	(12.22)
2025 Greenville IOS	5.68	0.34	(16.34)	(10.32)
2025 SF Mtn. House IOS	11.27	0.34	(17.34)	(5.73)
2025 GV Mtn. House IOS	11.27	0.34	(16.34)	(4.74)
2025 Proposed Project	16.03	0.78	(37.62)	(20.81)
2040 Proposed Project	23.63	0.45	(71.10)	(47.01)
2025 Southfront	16.03	0.78	(38.33)	(21.52)
2040 Southfront	23.63	0.45	(73.91)	(49.82)

Annual Weekday PM10

	Train	OMF	VMT	TOTAL
2025 Southfront IOS	0.06	0.00	(3.33)	(3.27)
2025 Greenville IOS	0.07	0.00	(3.13)	(3.06)
2025 SF Mtn. House IOS	0.13	0.00	(3.33)	(3.19)
2025 GV Mtn. House IOS	0.13	0.00	(3.13)	(3.00)
2025 Proposed Project	0.19	0.01	(7.68)	(7.49)
2040 Proposed Project	0.28	0.28	(21.17)	(20.61)
2025 Southfront	0.19	0.01	(7.83)	(7.64)
2040 Southfront	0.28	0.28	(22.01)	(21.45)

Annual Total CO

	Train	OMF	VMT	TOTAL
2025 Southfront IOS	5.57	0.42	(19.26)	(13.27)
2025 Greenville IOS	6.63	0.42	(18.15)	(11.10)
2025 Mtn. House IOS	13.15	0.42	(19.26)	(5.70)
2025 Mtn. House IOS	12.79	0.42	(18.15)	(4.94)
2025 Proposed Project	18.18	0.95	(41.78)	(22.66)
2040 Proposed Project	26.85	0.55	(78.97)	(51.56)
2025 Southfront	18.18	0.95	(42.57)	(23.45)
2040 Southfront	26.85	0.55	(82.09)	(54.68)

Annual Total PM10

	Train	OMF	VMT	TOTAL
2025 Southfront IOS	0.07	0.00	(3.69)	(3.63)
2025 Greenville IOS	0.08	0.00	(3.48)	(3.40)
2025 Mtn. House IOS	0.15	0.00	(3.69)	(3.54)
2025 Mtn. House IOS	0.15	0.00	(3.48)	(3.33)
2025 Proposed Project	0.21	0.01	(8.54)	(8.31)
2040 Proposed Project	0.31	0.34	(23.51)	(22.86)
2025 Southfront	0.21	0.01	(8.70)	(8.48)
2040 Southfront	0.31	0.34	(24.44)	(23.79)

Table 7: Summary of Proposed Project and Alternatives Criteria Pollutant and GHG Emissions

Year 2025 Emissions Summary

	Criteria Pollutant Pounds/Day						
Emissions Category	PM2.5	PM10	NOx	CO	ROG	CO2e MT/yr	Notes
Valley Link Train Service	1	1	99	127	4	6,367	See locomotive tab
OMF Operations	1	0	3	6	3	448	See CalEEMod tabs
VMT Reduction	(16)	(61)	(107)	(297)	(28)	(19,666)	See VMT reduction tab
Net Project Emissions	(14)	(59)	(5)	(165)	(21)	**(12,852)**	
TPY	(1.79)	(7.49)	(0.59)	(20.81)	(2.62)		

Year 2040 Emissions Summary

	Criteria Pollutant Pounds/Day						
Emissions Category	PM2.5	PM10	NOx	CO	ROG	CO2e MT/yr	Notes
Valley Link Train Service	2	2	146	187	6	9,407	See locomotive tab
OMF Operations	1	2	3	4	2	372	See CalEEMod tabs
VMT Reduction	(44)	(167)	(229)	(562)	(44)	(41,998)	See VMT reduction tab
Net Project Emissions	(41)	(163)	(80)	(372)	(35)	**(32,220)**	
TPY	(5.18)	(20.61)	(10.14)	(47.01)	(4.44)		

	2025	**2040**	**SCAA 2025**	**SCAA 2040**
BAAQMD Train Emissions Split	66%	61%	66%	61%
BAAQMD VMT Split	66%	61%	66%	61%

	2025	**2040**	**SCAA 2025**	**SCAA 2040**
SJVAPCD Train Emissions S	34%	39%	34%	39%
SJVAPCD VMT split	34%	39%	34%	39%

BAAQMD Emissions

PP Year 2025 Emissions Summary

	Criteria Pollutant Pounds/Day				
Emissions Category	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	1	1	66	84	3
OMF Operations	-	-	-	-	-
VMT Reduction	(11)	(40)	(71)	(197)	(18)
Net Project Emissions	(10)	(39)	(5)	(113)	(16)
TPY	(1.24)	(4.98)	(0.68)	(14.33)	(1.97)

HBMU Year 2025 Emissions Summary

	Criteria Pollutant Pounds/Day				
Emissions Category	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	1	1	58	75	2
OMF Operations	-	-	-	-	-
VMT Reduction	(11)	(40)	(71)	(197)	(18)
Net Project Emissions	(10)	(39)	(13)	(123)	(16)

BEMU Year 2025 Emissions Summary

	Criteria Pollutant Pounds/Day				
Emissions Category	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	1	0	3	3	0
OMF Operations	-	-	-	-	-
VMT Reduction	(11)	(40)	(71)	(197)	(18)
Net Project Emissions	(10)	(40)	(68)	(194)	(18)

Locomotive Alternative Year 2025 Emissions Summary

	Criteria Pollutant Pounds/Day				
Emissions Category	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	1	1	83	106	3
OMF Operations	-	-	-	-	-
VMT Reduction	(11)	(40)	(71)	(197)	(18)
Net Project Emissions	(10)	(39)	12	(91)	(15)

Bus/BRT Year 2025 Emissions Summary

	Criteria Pollutant Pounds/Day				
Emissions Category	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	0.1	0.1	0.9	1.0	0.1
OMF Operations	-	-	-	-	-
VMT Reduction	(2)	(7)	(12)	(34)	(3)
Net Project Emissions	(2)	(7)	(11)	(33)	(3)
TPY	8	32	(6)	80	12

Stone Cut Alignment Alternative Year 2025 Emissions Summary

	Criteria Pollutant Pounds/Day				
Emissions Category	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	0.9	1.0	65.0	83.2	2.7
OMF Operations	-	-	-	-	-
VMT Reduction	(11)	(40)	(71)	(197)	(18)
Net Project Emissions	(10)	(39)	(6)	(114)	(16)
TPY	0	0	7	9	0

SJVAPCD Emissions

PP Year 2025 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day				
	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	0	0	33	43	1
OMF Operations	1	0	3	6	3
VMT Reduction	(5)	(20)	(36)	(100)	(9)
Net Project Emissions	(4)	(20)	0.7	(51)	(5)
TPY	(0.55)	(2.51)	0.09	(6.48)	(0.65)

HBMU Year 2025 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day				
	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	0	0	30	38	1
OMF Operations	1	0	3	6	3
VMT Reduction	(5)	(20)	(36)	(100)	(9)
Net Project Emissions	(4)	(20)	(3)	(56)	(5)

BEMU Year 2025 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day				
	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	1	0	1	2	0
OMF Operations	1	0	3	6	3
VMT Reduction	(5)	(20)	(36)	(100)	(9)
Net Project Emissions	(4)	(20)	(31)	(92)	(6)

Locomotive Alternative Year 2025 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day				
	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	1	1	42	54	2
OMF Operations	1	0	3	6	3
VMT Reduction	(5)	(20)	(36)	(100)	(9)
Net Project Emissions	(4)	(20)	9	(40)	(5)

Bus/BRT Alternative Year 2025 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day				
	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	0	0	0	1	0
OMF Operations	1	0	3	6	3
VMT Reduction	(1)	(4)	(6)	(17)	(2)
Net Project Emissions	(0.3)	(3)	(2)	(11)	1
TPY	4	16	(3)	41	6

Stone Cut Alignment Alternative Year 2025 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day				
	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	0.5	0.5	33.3	42.6	1.4
OMF Operations	0.6	0.0	3.5	6.1	2.7
VMT Reduction	(5.4)	(20.4)	(36.0)	(100.0)	(9.3)
Net Project Emissions	(4)	(20)	0.7	(51)	(5)
TPY	0	0	4	5	0

PP Year 2040 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	1	1	89	114	4
OMF Operations	-	-	-	-	-
VMT Reduction	(27)	(102)	(140)	(344)	(27)
Net Project Emissions	(25)	(101)	(51)	(230)	(23)
TPY	(3.22)	(12.79)	(6.42)	(29.05)	(2.91)

PP Year 2040 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	1	1	57	72	2
OMF Operations	1	2	3	4	2
VMT Reduction	(17)	(65)	(89)	(218)	(17)
Net Project Emissions	(16)	(62)	(29)	(142)	(12)
TPY	(1.96)	(7.82)	(3.72)	(17.96)	(1.54)

HBMU Year 2040 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	1	1	79	101	3
OMF Operations	-	-	-	-	-
VMT Reduction	(27)	(102)	(140)	(344)	(27)
Net Project Emissions	(26)	(101)	(61)	(243)	(23)

HBMU Year 2040 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	1	1	50	64	2
OMF Operations	1	2	3	4	2
VMT Reduction	(17)	(65)	(89)	(218)	(17)
Net Project Emissions	(16)	(62)	(36)	(150)	(12)

BEMU Year 2040 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	1	2	5	8	0
OMF Operations	-	-	-	-	-
VMT Reduction	(27)	(102)	(140)	(344)	(27)
Net Project Emissions	(26)	(101)	(135)	(336)	(26)

BEMU Year 2040 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	0	1	3	5	0
OMF Operations	1	2	3	4	2
VMT Reduction	(17)	(65)	(89)	(218)	(17)
Net Project Emissions	(16)	(62)	(83)	(209)	(14)

Locomotive Year 2040 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	2	2	113	144	5
OMF Operations	-	-	-	-	-
VMT Reduction	(27)	(102)	(140)	(344)	(27)
Net Project Emissions	(25)	(101)	(27)	(200)	(22)

Locomotive Year 2040 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	1	1	71	91	3
OMF Operations	1	2	3	4	2
VMT Reduction	(17)	(65)	(89)	(218)	(17)
Net Project Emissions	(15)	(62)	(15)	(123)	(12)

EMU Alternative Year 2040 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	1	1	4	7	0
OMF Operations	-	-	-	-	-
VMT Reduction	(27)	(102)	(140)	(344)	(27)
Net Project Emissions	(26)	(101)	(136)	(337)	(26)

EMU Alternative Year 2040 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	0	1	2	4	0
OMF Operations	1	2	3	4	2
VMT Reduction	(17)	(65)	(89)	(218)	(17)
Net Project Emissions	(16)	(62)	(84)	(210)	(14)

Bus/BRT Alternative Year 2040 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	0.1	0.4	1.1	1.9	0.1
OMF Operations	-	-	-	-	-
VMT Reduction	(5)	(18)	(24)	(60)	(5)
Net Project Emissions	(5)	(17)	(23)	(58)	(5)
	21	84	27	172	18

Bus/BRT Alternative Year 2040 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	0	0	1	1	0
OMF Operations	1	2	3	4	2
VMT Reduction	(3)	(11)	(15)	(38)	(3)
Net Project Emissions	(2)	(9)	(12)	(34)	(0)
TPY	13	53	17	108	12

Stone Cut Alignment Alternative Year 2040 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	1.3	1.3	87.8	112.4	3.7
OMF Operations	-	-	-	-	-
VMT Reduction	(27)	(102)	(140)	(344)	(27)
Net Project Emissions	(25)	(101)	(52)	(232)	(23)
	0	0	9	11	0

Stone Cut Alignment Alternative Year 2040 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	0.8	0.8	56.6	72.5	2.4
OMF Operations	0.6	2.2	2.8	3.6	2.4
VMT Reduction	(16.9)	(64.9)	(88.8)	(218.0)	(17.0)
Net Project Emissions	(16)	(62)	(29)	(142)	(12)
TPY	0	0	6	8	0

CO2e/year - 2025

	HBMU	BEMU	BRT	EMU	Locomotive	SCAA - DMU	SCAA - HBMU	SCAA - BEMU	SCAA - Locomotive
Transit Service	5,643	1,972	644	1,560	8,028	6,298	5,582	1,951	7,941
OMF Operations	448	448	226	448	448	448	448	448	448
VMT Reduction	(19,666)	(19,666)	(3,423)	(19,666)	(19,666)	(19,666)	(19,666)	(19,666)	(19,666)
Net Project Emissions	(13,576)	(17,247)	(2,553)	(17,659)	(11,191)	(12,920)	(13,637)	(17,268)	(11,278)
Difference with PP	*(725)*	*(4,395)*	*10,298*	*(4,808)*	*1,660*	*(69)*	*(785)*	*(4,417)*	*1,574*

td to rd factor 0.3484941

construction emissions

	annual co2e	upper	lower
	4.6	68078	44745
auto equiva		14,800	9,727

CO2e/year - 2040

	HBMU	BEMU	BRT	EMU	Locomotive	SCAA - DMU	SCAA - HBMU	SCAA - BEMU	SCAA - Locomotive
Transit Service	8,336	637	174	504	11,851	9,313	8,253	630	11,732
OMF Operations	372	372	188	372	372	372	372	372	372
VMT Reduction	(41,998)	(41,998)	(11,891)	(41,998)	(41,998)	(41,998)	(41,998)	(41,998)	(41,998)
Net Project Emissions	(33,291)	(40,990)	(11,529)	(41,123)	(29,776)	(32,314)	(33,374)	(40,997)	(29,894)
Difference with PP	*(1,070)*	*(8,770)*	*20,691*	*(8,903)*	*2,444*	*(94)*	*(1,154)*	*(8,776)*	*2,326*

Table 8: Summary of Proposed Project Greenville IOS Criteria Pollutant and GHG Emissions

Year 2025 Interim Emissions Summary

	Criteria Pollutant Pounds/Day					DMU
Emissions Category	PM2.5	PM10	NOx	CO	ROG	CO2e MT/yr
Valley Link Train Service	0.5	0.5	35.1	44.9	1.5	2,323
OMF Operations	0.3	0.0	1.6	2.7	1.5	204
VMT Reduction	(6.6)	(24.8)	(42.2)	(129.2)	(12.2)	(6,603)
Net Project Emissions	(5.9)	(24.2)	**(5.5)**	(81.6)	(9.2)	(4,075)
Tons/year	(0.74)	(3.06)	(0.70)	(10.32)	(1.16)	

BAAQMD Train Emissions	100%
BAAQMD VMT Allocation	100%

CO2e/year - 2025

	HBMU	BEMU	BRT	EMU	Locomotive
Transit Service	2,059	659	644	1,560	2,848
OMF Operations	204	204	103	204	204
VMT Reduction	(6,603)	(6,603)	(1,149)	(6,603)	(6,603)
Net Project Emissions	(4,340)	(5,739)	(403)	(4,839)	(3,551)
Difference with PP	*(264)*	*(1,664)*	*3,673*	*(763)*	*525*

SJVAPCD Train Allocation		0%
SJVAPCD VMT Allocation		0%

BAAQMD Emissions

Year 2025 Emissions Summary

	Criteria Pollutant Pounds/Day				
Emissions Category	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	0.5	0.5	35.1	44.9	1.5
OMF Operations	0.3	0.0	1.6	2.7	1.5
VMT Reduction	(6.6)	(24.8)	(42.2)	(129.2)	(12.2)
Net Project Emissions	(5.9)	(24.2)	(5.5)	(81.6)	(9.2)
Tons/year	(0.74)	(3.06)	(0.70)	(10.32)	(1.16)

HBMU Year 2025 Emissions Summary

	Criteria Pollutant Pounds/Day				
Emissions Category	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	0	0	31	40	1
OMF Operations	0	0	2	3	2
VMT Reduction	(7)	(25)	(42)	(129)	(12)
Net Project Emissions	(6)	(24)	(10)	(87)	(9)

BEMU Year 2025 Emissions Summary

	Criteria Pollutant Pounds/Day				
Emissions Category	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	0.1	0.2	1.5	1.8	0.1
OMF Operations	0	0	2	3	2
VMT Reduction	(7)	(25)	(42)	(129)	(12)
Net Project Emissions	(6)	(25)	(39)	(125)	(11)

Locomotive Year 2025 Emissions Summary

	Criteria Pollutant Pounds/Day				
Emissions Category	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	0.6	0.6	43.0	55.0	1.8
OMF Operations	0	0	2	3	2
VMT Reduction	(7)	(25)	(42)	(129)	(12)
Net Project Emissions	(6)	(24)	2	(71)	(9)

SJVAPCD Emissions

Year 2025 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day				
	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	-	-	-	-	-
OMF Operations	-	-	-	-	-
VMT Reduction	-	-	-	-	-
Net Project Emissions	-	-	-	-	-
Tons/year	-	-	-	-	-

HBMU Year 2025 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day				
	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	-	-	-	-	-
OMF Operations	-	-	-	-	-
VMT Reduction	-	-	-	-	-
Net Project Emissions	-	-	-	-	-

BEMU Year 2025 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day				
	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	0.00	0.00	0.00	0.00	0.00
OMF Operations	-	-	-	-	-
VMT Reduction	-	-	-	-	-
Net Project Emissions	-	-	-	-	-

Locomotive Year 2025 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day				
	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service					
OMF Operations	-	-	-	-	-
VMT Reduction	-	-	-	-	-
Net Project Emissions	-	-	-	-	-

Table 9: Summary of Proposed Project Mountain House IOS Criteria Pollutant and GHG Emissions

Year 2025 Interim Emissions Summary

	Criteria Pollutant Pounds/Day					DMU
Emissions Category	PM2.5	PM10	NOx	CO	ROG	CO2e MT/yr
Valley Link Train Service	1.0	1.0	69.6	89.1	2.9	4,482
OMF Operations	0.3	0.0	1.6	2.7	1.5	204
VMT Reduction	(6.6)	(24.8)	(42.2)	(129.2)	(12.2)	(8,167)
Net Project Emissions	(5.4)	(23.7)	28.9	(37.4)	(7.7)	(3,481)
Tons/year	(0.68)	(3.00)	3.66	(4.74)	(0.97)	

BAAQMD Train Emissions	95%	1.236862032
BAAQMD VMT Allocation	100%	1.929401636
		1.957511381

CO2e/year - 2025

	HBMU	BEMU	BRT	EMU	Locomotive
Transit Service	3,972	1,290	644	1,560	5,640
OMF Operations	204	204	103	204	204
VMT Reduction	(8,167)	(8,167)	(1,421)	(8,167)	(8,167)
Net Project Emissions	(3,991)	(6,673)	(675)	(6,403)	(2,323)
Difference with PP	*(510)*	*(3,192)*	*2,806*	*(2,922)*	*1,158*

SJVAPCD Train Allocation		5%
SJVAPCD VMT Allocation		0%

BAAQMD Emissions

Year 2025 Emissions Summary

	Criteria Pollutant Pounds/Day				
Emissions Category	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	1.0	1.0	65.8	84.3	2.8
OMF Operations					
VMT Reduction	(6.6)	(24.8)	(42.2)	(129.2)	(12.2)
Net Project Emissions	(5.7)	(23.8)	23.6	(44.9)	(9.4)
Tons/year	(0.72)	(3.01)	2.99	(5.68)	(1.19)

HBMU Year 2025 Emissions Summary

	Criteria Pollutant Pounds/Day				
Emissions Category	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	1	1	58	75	2
OMF Operations	-	-	-	-	-
VMT Reduction	(7)	(25)	(42)	(129)	(12)
Net Project Emissions	(6)	(24)	16	(55)	(10)

BEMU Year 2025 Emissions Summary

	Criteria Pollutant Pounds/Day				
Emissions Category	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	0.1	0.2	1.5	1.8	0.1
OMF Operations	-	-	-	-	-
VMT Reduction	(7)	(25)	(42)	(129)	(12)
Net Project Emissions	(7)	(25)	(41)	(127)	(12)

Locomotive Year 2025 Emissions Summary

	Criteria Pollutant Pounds/Day				
Emissions Category	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	1.2	1.2	83.0	106.2	3.5
OMF Operations	-	-	-	-	-
VMT Reduction	(7)	(25)	(42)	(129)	(12)
Net Project Emissions	(5)	(24)	41	(23)	(9)

SJVAPCD Emissions

Year 2025 Emissions Summary

Emissions Category	Pollutant Pounds/Day				
	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	0.1	0.1	3.7	4.8	0.2
OMF Operations	0.3	0.0	1.6	2.7	1.5
VMT Reduction	-	-	-	-	-
Net Project Emissions	0.3	0.1	5.3	7.5	1.7
Tons/year	0.04	0.01	0.67	0.95	0.21

HBMU Year 2025 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day				
	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	0	0	3	4	0
OMF Operations	0	0	2	3	2
VMT Reduction	-	-	-	-	-
Net Project Emissions	0	0	5	7	2

BEMU Year 2025 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day				
	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	0.01	0.01	0.09	0.10	0.01
OMF Operations	0	0	2	3	2
VMT Reduction	-	-	-	-	-
Net Project Emissions	0	0	2	3	2

BEMU Year 2025 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day				
	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	0.07	0.07	4.71	6.03	0.20
OMF Operations	0	0	3	4	0
VMT Reduction	0	0	2	3	2
Net Project Emissions	0	0	10	13	2

Table 10: Summary of Southfront Road Station Alternative Criteria Pollutant and GHG Emissions

Year 2025 Emissions Summary

	Criteria Pollutant Pounds/Day						
Emissions Category	PM2.5	PM10	NOx	CO	ROG	CO2e MT/yr	Notes
Valley Link Train Service	1	1	99	127	4	6,367	See locomotive tab
OMF Operations	1	0	3	6	3	448	See CalEEMod tabs
VMT Reduction	(16)	(62)	(109)	(303)	(28)	(20,036)	See VMT reduction tab
Net Project Emissions	(14)	(60)	(7)	(170)	(21)	**(13,221)**	
TPY	(1.83)	(7.64)	(0.84)	(21.52)	(2.69)		

Year 2040 Emissions Summary

	Criteria Pollutant Pounds/Day						
Emissions Category	PM2.5	PM10	NOx	CO	ROG	CO2e MT/yr	Notes
Valley Link Train Service	2	2	146	187	6	9,407	See locomotive tab
OMF Operations	1	2	3	4	2	372	See CalEEMod tabs
VMT Reduction	(45)	(174)	(238)	(584)	(45)	(43,659)	See VMT reduction tab
Net Project Emissions	(43)	(170)	(89)	(394)	(37)	**(33,880)**	
TPY	(5.40)	(21.45)	(11.29)	(49.82)	(4.66)		

	2025	**2040**
BAAQMD Train Emissions Split	66%	61%
BAAQMD VMT Split	66%	61%

CO2e/year - 2025

	HBMU	**BEMU**	**BRT**	**EMU**	**Locomotive**
Transit Service	5,643	1,972	644	1,560	8,028
OMF Operations	448	448	226	448	448
VMT Reduction	(20,036)	(20,036)	(3,487)	(20,036)	(20,036)
Net Project Emissions	(13,946)	(17,616)	(2,618)	(18,029)	(11,561)
Difference with PP	*(725)*	*(4,395)*	*10,603*	*(4,808)*	*1,660*

CO2e/year - 2040

	HBMU	**BEMU**	**BRT**	**EMU**	**Locomotive**
Transit Service	8,336	637	174	504	11,851
OMF Operations	372	372	188	372	372
VMT Reduction	(43,659)	(43,659)	(12,361)	(43,659)	(43,659)
Net Project Emissions	(34,951)	(42,650)	(11,999)	(42,784)	(31,436)
Difference with PP	*(1,070)*	*(8,770)*	*21,881*	*(8,903)*	*2,444*

	2025	**2040**
SJVAPCD Train Emissions Split	34%	39%
SJVAPCD VMT split	34%	39%

BAAQMD Emissions

PP Year 2025 Emissions Summary

	Criteria Pollutant Pounds/Day				
Emissions Category	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	1	1	66	84	3
OMF Operations	-	-	-	-	-
VMT Reduction	(11)	(41)	(72)	(201)	(19)
Net Project Emissions	(10)	(40)	(7)	(117)	(16)
TPY	(1.26)	(5.07)	(0.85)	(14.80)	(2.01)

HBMU Year 2025 Emissions Summary

	Criteria Pollutant Pounds/Day				
Emissions Category	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	1	1	58	75	2
OMF Operations	-	-	-	-	-
VMT Reduction	(11)	(41)	(72)	(201)	(19)
Net Project Emissions	(10)	(40)	(14)	(127)	(16)

BEMU Year 2025 Emissions Summary

	Criteria Pollutant Pounds/Day				
Emissions Category	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	0	0	3	3	0
OMF Operations	-	-	-	-	-
VMT Reduction	(11)	(41)	(72)	(201)	(19)
Net Project Emissions	(11)	(41)	(70)	(198)	(18)

Locomotive Year 2025 Emissions Summary

	Criteria Pollutant Pounds/Day				
Emissions Category	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	1	1	83	106	3
OMF Operations	-	-	-	-	-
VMT Reduction	(11)	(41)	(72)	(201)	(19)
Net Project Emissions	(10)	(40)	11	(95)	(15)

Bus/BRT Year 2025 Emissions Summary

	Criteria Pollutant Pounds/Day				
Emissions Category	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	0.1	0.1	0.9	1.0	0.1
OMF Operations	-	-	-	-	-
VMT Reduction	(2)	(7)	(13)	(35)	(3)
Net Project Emissions	(2)	(7)	(12)	(34)	(3)
TPY	8	33	(5)	83	13

SJVAPCD Emissions

PP Year 2025 Emissions Summary

	Criteria Pollutant Pounds/Day				
Emissions Category	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	0	0	33	43	1
OMF Operations	1	0	3	6	3
VMT Reduction	(6)	(21)	(37)	(102)	(9)
Net Project Emissions	(4)	(20)	0	(53)	(5)
TPY	(0.56)	(2.56)	0.01	(6.72)	(0.68)

HBMU Year 2025 Emissions Summary

	Criteria Pollutant Pounds/Day				
Emissions Category	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	0	0	30	38	1
OMF Operations	1	0	3	6	3
VMT Reduction	(6)	(21)	(37)	(102)	(9)
Net Project Emissions	(4)	(20)	(4)	(58)	(6)

BEMU Year 2025 Emissions Summary

	Criteria Pollutant Pounds/Day				
Emissions Category	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	0	0	1	2	0
OMF Operations	1	0	3	6	3
VMT Reduction	(6)	(21)	(37)	(102)	(9)
Net Project Emissions	(5)	(21)	(32)	(94)	(7)

Locomotive Year 2025 Emissions Summary

	Criteria Pollutant Pounds/Day				
Emissions Category	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	1	1	42	54	2
OMF Operations	1	0	3	6	3
VMT Reduction	(6)	(21)	(37)	(102)	(9)
Net Project Emissions	(4)	(20)	9	(42)	(5)

Bus/BRT Alternative Year 2025 Emissions Summary

	Criteria Pollutant Pounds/Day				
Emissions Category	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	0	0	0	1	0
OMF Operations	1	0	3	6	3
VMT Reduction	(1)	(4)	(6)	(18)	(2)
Net Project Emissions	(0)	(4)	(2)	(11)	1
TPY	4	17	(3)	42	6

PP Year 2040 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day				
	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	1	1	89	114	4
OMF Operations	-	-	-	-	-
VMT Reduction	(28)	(106)	(146)	(358)	(28)
Net Project Emissions	(26)	(105)	(56)	(243)	(24)
TPY	(3.35)	(13.30)	(7.12)	(30.77)	(3.04)

HBMU Year 2040 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day				
	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	1	1	79	101	3
OMF Operations	-	-	-	-	-
VMT Reduction	(28)	(106)	(146)	(358)	(28)
Net Project Emissions	(27)	(105)	(66)	(256)	(24)

BEMU Year 2040 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day				
	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	1	2	5	8	0
OMF Operations	-	-	-	-	-
VMT Reduction	(28)	(106)	(146)	(358)	(28)
Net Project Emissions	(27)	(105)	(141)	(349)	(27)

Locomotive Year 2040 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day				
	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	2	2	113	144	5
OMF Operations	-	-	-	-	-
VMT Reduction	(28)	(106)	(146)	(358)	(28)
Net Project Emissions	(26)	(105)	(33)	(213)	(23)

EMU Alternative Year 2040 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day				
	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	1	1	4	7	0
OMF Operations	-	-	-	-	-
VMT Reduction	(28)	(106)	(146)	(358)	(28)
Net Project Emissions	(27)	(105)	(142)	(351)	(27)

Bus/BRT Alternative Year 2040 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day				
	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	0.1	0.4	1.1	1.9	0.1
OMF Operations	-	-	-	-	-
VMT Reduction	(5)	(19)	(25)	(62)	(5)
Net Project Emissions	(5)	(18)	(24)	(60)	(5)
	22	87	32	183	19

td to rd factor

0.348494104

annual co2e/auto	construction emissions upper	lower
4.6	68078	44745
auto equivalents	14,800	9,727

PP Year 2040 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day				
	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	1	1	57	72	2
OMF Operations	1	2	3	4	2
VMT Reduction	(18)	(67)	(92)	(227)	(18)
Net Project Emissions	(16)	(64)	(33)	(151)	(13)
TPY	(2.05)	(8.15)	(4.16)	(19.05)	(1.62)

HBMU Year 2040 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day				
	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	1	1	50	64	2
OMF Operations	1	2	3	4	2
VMT Reduction	(18)	(67)	(92)	(227)	(18)
Net Project Emissions	(16)	(65)	(39)	(159)	(13)

BEMU Year 2040 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day				
	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	0	1	3	5	0
OMF Operations	1	2	3	4	2
VMT Reduction	(18)	(67)	(92)	(227)	(18)
Net Project Emissions	(17)	(64)	(87)	(218)	(15)

Locomotive Year 2040 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day				
	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	1	1	62	79	3
OMF Operations	1	2	3	4	2
VMT Reduction	(18)	(67)	(92)	(227)	(18)
Net Project Emissions	(16)	(64)	(28)	(144)	(13)

EMU Alternative Year 2040 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day				
	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	0	1	2	4	0
OMF Operations	1	2	3	4	2
VMT Reduction	(18)	(67)	(92)	(227)	(18)
Net Project Emissions	(17)	(64)	(87)	(219)	(15)

Bus/BRT Alternative Year 2025 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day				
	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	0	0	1	1	0
OMF Operations	1	2	3	4	2
VMT Reduction	(3)	(12)	(16)	(39)	(3)
Net Project Emissions	(2)	(9)	(13)	(35)	(1)
TPY	14	55	20	115	12

Table 11: Summary of Southfront Road Station Alternative Southfront IOS Criteria Pollutant and GHG Emissions

Year 2025 Interim Emissions Summary

	Criteria Pollutant Pounds/Day					DMU
Emissions Category	PM2.5	PM10	NOx	CO	ROG	CO2e MT/yr
Valley Link Train Service	0.4	0.4	29.5	37.8	1.2	1,953
OMF Operations	0.3	0.0	1.6	2.7	1.5	204
VMT Reduction	(7.0)	(26.3)	(44.8)	(137.1)	(12.9)	(7,668)
Net Project Emissions	(6.3)	(25.8)	(13.7)	(96.6)	(10.1)	(5,511)
Tons/year	(0.80)	(3.27)	(1.73)	(12.22)	(1.28)	

	CO2e/year - 2025				
	HBMU	**BEMU**	**BRT**	**EMU**	**Locomotive**
Transit Service	1,731	593	644	1,560	2,848
OMF Operations	204	204	103	204	204
VMT Reduction	(7,668)	(7,668)	(1,335)	(7,668)	(7,668)
Net Project Emissions	(5,733)	(6,871)	(588)	(5,904)	(4,616)
Difference with PP	*(222)*	*(1,360)*	*4,923*	*(393)*	*895*

BAAQMD Train Emissions	100%
BAAQMD VMT Allocation	100%

SJVAPCD Train Allocation		0%
SJVAPCD VMT Allocation		0%

BAAQMD Emissions

Year 2025 Emissions Summary

	Criteria Pollutant Pounds/Day				
Emissions Category	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	0.4	0.4	29.5	37.8	1.2
OMF Operations	0.3	0.0	1.6	2.7	1.5
VMT Reduction	(7.0)	(26.3)	(44.8)	(137.1)	(12.9)
Net Project Emissions	(6.3)	(25.8)	(13.7)	(96.6)	(10.1)
Tons/year	(0.80)	(3.27)	(1.73)	(12.22)	(1.28)

HBMU Year 2025 Emissions Summary

	Criteria Pollutant Pounds/Day				
Emissions Category	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	0	0	26	33	1
OMF Operations	0	0	2	3	2
VMT Reduction	(7)	(26)	(45)	(137)	(13)
Net Project Emissions	(6)	(26)	(17)	(101)	(10)

BEMU Year 2025 Emissions Summary

	Criteria Pollutant Pounds/Day				
Emissions Category	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	0.1	0.2	1.5	1.8	0.1
OMF Operations	0	0	2	3	2
VMT Reduction	(7)	(26)	(45)	(137)	(13)
Net Project Emissions	(7)	(26)	(42)	(133)	(11)

Locomotive Year 2025 Emissions Summary

	Criteria Pollutant Pounds/Day				
Emissions Category	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	0.6	0.6	43.0	55.0	1.8
OMF Operations	0	0	2	3	2
VMT Reduction	(7)	(26)	(45)	(137)	(13)
Net Project Emissions	(6)	(26)	(0)	(79)	(10)

SJVAPCD Emissions

Year 2025 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day				
	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	-	-	-	-	-
OMF Operations	-	-	-	-	-
VMT Reduction	-	-	-	-	-
Net Project Emissions	-	-	-	-	-
Tons/year	-	-	-	-	-

HBMU Year 2025 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day				
	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	-	-	-	-	-
OMF Operations	-	-	-	-	-
VMT Reduction	-	-	-	-	-
Net Project Emissions	-	-	-	-	-

BEMU Year 2025 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day				
	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	0.00	0.00	0.00	0.00	0.00
OMF Operations	-	-	-	-	-
VMT Reduction	-	-	-	-	-
Net Project Emissions	-	-	-	-	-

Locomotive Year 2025 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day				
	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	-	-	-	-	-
OMF Operations	-	-	-	-	-
VMT Reduction	-	-	-	-	-
Net Project Emissions	-	-	-	-	-

Table 12: Summary of Southfront Road Station Alternative Mountain House IOS Criteria Pollutant and GHG Emissions

Year 2025 Interim Emissions Summary

	Criteria Pollutant Pounds/Day					DMU
Emissions Category	PM2.5	PM10	NOx	CO	ROG	CO2e MT/yr
Valley Link Train Service	1.0	1.0	69.6	89.1	2.9	4,482
OMF Operations	0.3	0.0	1.6	2.7	1.5	204
VMT Reduction	(7.0)	(26.3)	(44.8)	(137.1)	(12.9)	(8,666)
Net Project Emissions	(5.8)	(25.2)	26.4	(45.3)	(8.4)	(3,980)
Tons/year	(0.73)	(3.19)	3.34	(5.73)	(1.07)	

BAAQMD Train Emissions	95%
BAAQMD VMT Allocation	100%

CO2e/year - 2025

	HBMU	BEMU	BRT	EMU	Locomotive
Transit Service	3,972	1,290	644	1,560	5,640
OMF Operations	204	204	103	204	204
VMT Reduction	(8,666)	(8,666)	(1,508)	(8,666)	(8,666)
Net Project Emissions	(4,490)	(7,172)	(762)	(6,902)	(2,822)
Difference with PP	*(510)*	*(3,192)*	*3,218*	*(2,922)*	*1,158*

SJVAPCD Train Allocation		5%
SJVAPCD VMT Allocation		0%

BAAQMD Emissions

Year 2025 Emissions Summary

	Criteria Pollutant Pounds/Day				
Emissions Category	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	1.0	1.0	65.8	84.3	2.8
OMF Operations					
VMT Reduction	(7.0)	(26.3)	(44.8)	(137.1)	(12.9)
Net Project Emissions	(6.1)	(25.3)	21.1	(52.8)	(10.1)
Tons/year	(0.77)	(3.20)	2.67	(6.68)	(1.28)

HBMU Year 2025 Emissions Summary

	Criteria Pollutant Pounds/Day				
Emissions Category	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	1	1	58	75	2
OMF Operations	-	-	-	-	-
VMT Reduction	(7)	(26)	(45)	(137)	(13)
Net Project Emissions	(6)	(25)	14	(62)	(10)

BEMU Year 2025 Emissions Summary

	Criteria Pollutant Pounds/Day				
Emissions Category	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	0.2	0.4	2.7	3.2	0.2
OMF Operations	-	-	-	-	-
VMT Reduction	(7)	(26)	(45)	(137)	(13)
Net Project Emissions	(7)	(26)	(42)	(134)	(13)

Locomotive Year 2025 Emissions Summary

	Criteria Pollutant Pounds/Day				
Emissions Category	PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	1.2	1.2	83.0	106.2	3.5
OMF Operations	-	-	-	-	-
VMT Reduction	(7)	(26)	(45)	(137)	(13)
Net Project Emissions	(6)	(25)	38	(31)	(9)

SJVAPCD Emissions

Year 2025 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	0.1	0.1	3.7	4.8	0.2
OMF Operations	0.3	0.0	1.6	2.7	1.5
VMT Reduction	-	-	-	-	-
Net Project Emissions	0.3	0.1	5.3	7.5	1.7
Tons/year	0.04	0.01	0.67	0.95	0.21

HBMU Year 2025 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	0	0	3	4	0
OMF Operations	0	0	2	3	2
VMT Reduction	-	-	-	-	-
Net Project Emissions	0	0	5	7	2

BEMU Year 2025 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	0.01	0.02	0.15	0.18	0.01
OMF Operations	0	0	2	3	2
VMT Reduction	-	-	-	-	-
Net Project Emissions	0	0	2	3	2

Locomotive Year 2025 Emissions Summary

Emissions Category	Criteria Pollutant Pounds/Day PM2.5	PM10	NOx	CO	ROG
Valley Link Train Service	0.07	0.07	4.71	6.03	0.20
OMF Operations	0	0	2	3	2
VMT Reduction	-	-	-	-	-
Net Project Emissions	0	0	6	9	2

Table 13: Locomotive Variant Emissions

	2025 - Full Build	2025 - GV IOS	2025 - GV MH IOS	2040	Source
Miles/weekday	3,681	1,261	2,582	5,422	Same as PP
Miles/weekend	1,088	476	771	1,632	Same as PP
Consist	3	3	3	3	Same as PP
Gallons/mile	0.74	0.74	0.74	0.74	ACE NP 2040, adjusted for seats
Gallons/weekday trains	2,708	928	1,900	3989.02	Calculation
Gallons/weekday idle	14	8	10	21.16	Calculation
Gallons/weekday	2,722	936	1,910	4,010	Calculation
Gallons/weekend trains	800	350	567	1,200	Calculation
Gallons/weekend idle	4	3	4	6	Calculation
Gallons/weekend	804	353	572	1,207	Calculation
ROG EF	0.876096	0.876096	0.876096	0.876096	g/gal
NOX EF	20.8	20.8	20.8	20.8	g/gal
CO EF	26.624	26.624	26.624	26.624	g/gal
PM10 EF	0.312	0.312	0.312	0.312	g/gal
PM2.5 EF	0.30264	0.30264	0.30264	0.30264	g/gal
CO2e/Gal	0.010	0.010	0.010	0.010	MTCO2/Gal
CO2e/weekday	28.06	9.64	19.68	41.33	MTCO2
CO2e/weekend	8.29	3.64	5.89	12.44	MTCO2
weekDays/Year	253.00	253.00	253.00	253.00	
weekend days/year	112.00	112.00	112.00	112.00	
CO2/year	8,028	2,848	5,640	11,851	MTCO2
Gallons/year	778,805	276,273	547,182	1,149,738	
ROG lb/day	5.266	1.810	3.694	7.757	lb/day
NOXlb/day	125.013	42.970	87.704	184.165	lb/day
CO lb/day	160.016	55.002	112.261	235.731	lb/day
PM10 lb/day	1.875	0.645	1.316	2.762	lb/day
PM2.5 lb/day	1.819	0.625	1.276	2.680	lb/day

ACE Emission Factors

MTCO2e/year/Train Ops NP2040 (all Tier 4)	4453	
miles NP 2040	174064	
MTCO2e/mile (Tier 4, without Idle)	0.025582544	
MTCO2e/year/Train Ops NP2040 (all Tier 4)	17	
Station Stops/day	80	
MTCO2e/Station Stop	0.000839921	MPG
Gallons/mile	2.481939752	**0.402910667**
Gallons/mile adjusted for riders (166/560)	**0.735717855**	**1.359216707**
MTCO2e/year/Train Ops NP2040 (all Tier 4)	17	
Station Stops	80	
MTCO2e/Station Stop	0.000839921	
Gallons/Station Stop	**0.081486547**	
Gallons/Station stop adjusted for riders (166/560)	0.024154941	Not used

PCEP Locomotive Emission Factors

Gallons/year	6,575,679
Miles/year	1,848,322
Gallons/mile 5 car consist/600 seats	3.56
Gallons/mile 166 pass seats	0.00

Source: PCEP AQ/GHG calcs, Appendix B

Other Emission Factors

g/gal	10307.48
MTCo2e/gal	0.01030748
MTCo2e/mile	0
g/lb	452.92

Table 14: Bus/BRT Alternative Emissions

Bus/BRT	2025	2040	Source/Notes
Service Schedule			
Weekday peak hours	6	6	5 to 8 am; 4 to 7 pm
Weekday off-peak hours	9	12	2025 (8 am to 4 pm, 7 to 8 pm); 2040 (4 to 5 am, 8 am to 4 pm, 7 pm to 1 am)
Saturday hours	12	19	
Sunday hours	12	17	
Weekday peak headways GV - D/P	12	12	
Weekday off-peak headways GV- D/P	30	30	
Weekend hours headways GV - D/P	30	30	
Weekday peak headways NL - D/P	24	24	
Weekday off-peak headways NL- D/P	60	60	
Weekend headways NL-D/P	60	60	
Miles one-way, Lathrop-D/P	44.3	44.3	Alts. memo
Miles one-way, Greenville Road to D/P	11.71	11.71	Assumed same as PP
Miles Vasco Divert	1.5	2	Alts. memo
Weekday peak Trips/day one-way/day, Lathrop- D/P	30	30	Same as VL schedule in Alts. Memo
Weekday peak Trips/day one-way/day, Greenville- D/P	60	60	Same as VL schedule in Alts. Memo
Weekday Trips/day one-way/day, Lathrop- D/P	48	54	Same as VL schedule in Alts. Memo
Saturday Trips/day one-way/day Lathrop-D/P	24	38	Same as VL schedule in Alts. Memo
Sunday Trips/day one-way/day Lathrop-D/P	24	34	Same as VL schedule in Alts. Memo
WeekdayTrips/day one-way/day, Greenville- D/P	96	108	Same as VL schedule in Alts. Memo
Saturday Trips/day one-way/day Greenville-D/P	48	76	Same as VL schedule in Alts. Memo
Sunday Trips/day one-way/day Greenville-D/P	48	68	Same as VL schedule in Alts. Memo
Trips/day one-way, Vasco Divert	16	16	Alts. memo
Weekend trips/day one-way Vasco Divert	0	0	Assumed no weekend Vasco service
Weekday Revenue Miles/Day	3,274	3,681	
Weekday Deadhead Miles/ Day	917	1,031	28% factor from FS
Total Weekday Miles/day	4,191	4,711	Calculation
Total Saturday Miles/Day including Deadhead	2,080	3,294	Includes 28% factor from FS
Total Sunday Miles/Day including Deadhead	2,080	2,947	Includes 28% factor from FS
Electricity consumption-kwh/mile	2.7	2.7	Feasibility Study
Weekday kwh/day/operations	11,316	12,721	
Idle factor (5%)	566	636	
Weekday Kwh/day	11,882	13,357	Calculation including T &D
Saturday Kwh/day	5,617	8,893	Calculation including idle and T &D
Sunday Kwh/day	5,617	7,957	Calculation including idle and T &D
ROG/kwh	0.004	0.0052	g/kwh
NOX/kwh	0.0517	0.0583	g/kwh
CO/kwh	0.0601	0.1026	g/kwh
PM10/kwh	0.0083	0.0229	g/kwh
PM2.5/kwh	0.0042	0.0083	g/kwh
CO2e/kwh	0.390	0.089	lb CO2/kwh PGE
Weekday Co2/day	2.10	0.54	MTCO2
Weekday Days/Year	253.00	253.00	
Saturday CO2/Day	0.99	0.36	
Sunday CO2/Day	0.99	0.32	
Weekends/year	56.00	56.00	
CO2/year	643.58	174.22	MTCO2
ROG lb/day	0.105	0.153	
NOXlb/day	1.356	1.719	
CO lb/day	1.577	3.026	
PM10 lb/day	0.218	0.675	
PM2.5 lb/day	0.110	0.245	
Annual Kwh	3,635,292	4,322,853	
	2025	**2040**	
Annual Miles	1,293,385	1,541,458	Calculated from Above
Annual Miles	1,230,000	1,485,000	Feasibility Study
	95%	96%	Difference
Emission Factors			
Electricity consumption- kwh/KM	2.86		Graurs 2015
Electricity consumption- kwh/mile	4.576		Graurs 2015
Electricity consumption-kwh/mile	2.26		NREL King County Zero emission Transit bus Evaluation, King County Metro
Electricity consumption-kwh/mile	2.7		Feasibility Study
g/lb	452.92		
Bus/BRT OMF Costs (w/Contingency	50,000,000		
PP Hanson Road OMF Costs	99,060,000		
Ratio	0.5047446		

Table 15: BEMU/EMU 2025 Emissions

	BEMU SF IOS	BEMU GV IOS	BEMU - MH IOS	BEMU	EMU	Source
Weekday Miles/day	1,041	1,261	2,582	3,681	3,681	Same as PP
Weekday Miles BEMU	1,041	1,261	1,241	2,116		
Weekday Miles BEMU with OCS	0	0	1,299	1,565		
Consist	3	3	3	3	3	Same as PP
Electricity consumption-kwh/mile	10.59	10.59	Split - 10.59 BEMU/8.38 OCS	10.59	8.38	Railway Transport 4.0 - Innovation within the railway industry for more climate protection and more customer quality, InnoTrans Convention, Palais am Funkturm, Sept. 18, 2018. Based on Germany Energy Mix 2015, https://www.railjournal.com/in_depth/battery-train-energises-race-to-replace-diesel
Weekday kwh/day ops	11,022	13,361	24,033	35,524	30,839	
kwh/day idle (5%)	551	668	1,202	1,776	1,542	
Weekday Kwh/day	11,573	14,029	25,234	37,301	32,381	Calculation with T &D
Weekend/Holiday Miles/day	476	295	317	1,088	1,088	
Weekend/Holiday Kwh/day (with Idle 5%)	5,294	3,284	1,415	12,098	9,569	
ROG/kwh	0.004	0.004	0.004	0.004	0.004	g/kwh
NOX/kwh	0.0517	0.0517	0.0517	0.0517	0.0517	g/kwh
CO/kwh	0.0601	0.0601	0.0601	0.0601	0.0601	g/kwh
PM10/kwh	0.0083	0.0083	0.0083	0.0083	0.0083	g/kwh
PM2.5/kwh	0.0042	0.0042	0.0042	0.0042	0.0042	g/kwh
CO2e/kwh	0.390300183	0.390300183	0.390300183	0.390	0.390	lb CO2/kwh 2025 - PGE
CO2e/kwh	0.088848822	0.088848822	0.088848822	0.089	0.089	lb CO2/kwh 2040 - PGE
Weekday CO2e/day	2.05	2.48	4.47	6.60	5.73	MTCO2
Weekend CO2e/day	0.94	0.58	0.25	2.14	1.69	
Weekday Days/Year	253.00	253.00	253.00	253.00	253.00	
Weekend Days/Year	112.00	112.00	112.00	112.00	112.00	
CO2/year - Alt method	623.35	693.48	1158.33	1910.60	1640.09	MTCO2
CO2/year - Bombardier/German	592.78	659.48	1289.52	1971.87	1559.67	MTCO2
ROG lb/day	0.102	0.124	0.223	0.329	0.286	
NOXlb/day	1.321	1.601	2.880	4.258	3.696	
CO lb/day	1.536	1.862	3.348	4.950	4.297	
PM10 lb/day	0.212	0.257	0.462	0.684	0.593	
PM2.5 lb/day	0.107	0.130	0.234	0.346	0.300	
Annual kwh	3,381,551	3,748,120	6,238,825	10,342,669	8,873,975	

BEMU/EMU 2040 Emissions

	BEMU	EMU	Source
Weekday Miles/day	5,422	5,422	Same as PP
Electricity consumption-kwh/mile	10.59	8.38	See above
Weekday kwh/day ops	57,433	45,427	
Weekday kwh/day idle (5%)	2,872	2,271	
Weekday Kwh/day	60,304	47,698	Calculation with T &D
Weekend/Holiday Miles/day	1,088	1,088	
Weekend/Holiday Kwh/day (with Idle 5%)	12,098	9,569	
ROG/kwh	0.0052	0.0052	g/kwh
NOX/kwh	0.0583	0.0583	g/kwh
CO/kwh	0.1026	0.1026	g/kwh
PM10/kwh	0.0229	0.0229	g/kwh
PM2.5/kwh	0.0083	0.0083	g/kwh
CO2e/kwh	0.390	0.390	lb CO2/kwh 2025 - PGE
CO2e/kwh	0.089	0.089	lb CO2/kwh 2040 - PGE
Weekday CO2e/day	2.43	1.92	MTCO2
Weekend/Holiday CO2e/day	0.49	0.39	
Weekday Days/Year	253.00	253.00	
Weekend Days/Year	112.00	112.00	
CO2/year (Alt. Method)	669.49	529.54	MTCO2
CO2/year (Bombardier, German)	636.66	503.57	MTCO2
ROG lb/day	0.692	0.548	
NOXlb/day	7.762	6.140	
CO lb/day	13.661	10.805	
PM10 lb/day	3.049	2.412	
PM2.5 lb/day	1.105	0.874	
Annual kwh	15,885,530	12,564,826	

Emission Factors

Electricity consumption-kgC02/km/seat - EMU					0.014	Railway Transport 4.0 - Innovation within the railway industry for more climate protection and more customer quality, InnoTrans Convention, Palais am Funkturm, Sept. 18, 2018. Based on Germany Energy Mix 2015, https://www.railjournal.com/in_depth/battery-train-energises-race-to-replace-diesel
Electricity consumption-kgC02/km/seat - BEMU	0.0177	0.0177	0.0177	0.0177		
Seats	166	166	166	166	166	
MTCO2e/mile- German Energy Mix 2015	0.004728563	0.004728563	0.004728563	0.00472856	0.00374011	
EF electricity- Germany 2015 (gCO2e/kWh)	446.4	446.4	446.4	446.4	446.4	https://www.eea.europa.eu/data-and-maps/indicators/overview-of-the-electricity-production-2/assessment-4
EF electricity- Germany 2015 (lbCO2e/kWh)	0.99	0.99	0.99	0.99	0.99	
MTCO2/kwh	0.0004464	0.0004464	0.0004464	0.0004464	0.0004464	
kwh/mile	10.59	10.59	10.59	10.59	8.38	
MT CO2/year 2025 - German Energy Mix 2015	1,497	1,665	3,256	4,979	3,939	
EF - Germany 2015/PGE Adjusted 2025	2.53	2.53	2.53	2.53	2.53	
MTCO2e/year - 2025	**593**	**659**	**1,290**	**1,972**	**1,560**	
MT CO2/year 2040 - German Energy Mix 2015				7,062	5,586	
EF - InnoTrans, Germany 2015/PGE Adjusted 2040				11.09	11.09	
MTCO2e/year - 2040				**637**	**504**	
km/mile	1.60934	1.60934	1.60934	1.60934	1.60934	
lb/MT	2204.62	2204.62	2204.62	2204.62	2204.62	
km/mile	1.60934	1.60934	1.60934	1.60934	1.60934	
MT/kg	0.001	0.001	0.001	0.001	0.001	
g/lb	452.92	452.92	452.92	452.92	452.92	

Table 16: Locomotive Emissions

Emission Factor (kg CO2/seat/km)	0.0213	Rail Journal 2018/2018 Inno Trans 4.0 Conference
Seats	166	Alternatives Technical Memo 2019
km/mile	1.60934	Conversion factor
MT/kg	0.001	Conversion factor
MTCO2/mile	0.005690304	Calculation
Diesel gCO2/gallon	10307.48	Conversion factor
Diesel MTCO2/gallon	0.01030748	MTCO2/gal
Gals/mile	0.55	Calculation
Miles/Gallon	1.81	Calculation
Deadhead Factor	101.63%	From Feasibility Study

DMU Factors

0.0213	https://www.railjournal.com/in_depth/battery-train-energises-race-to-replace-diesel
1,355	gCO2e/Passenger Trip - Feasibility Report
1.355	kgCO2e/Passenger Trip - Feasibility Report
41.81	trip (miles) Lathrop - BART
67.28	trip (km) Lathrop - BART
0.0201	kg/CO2/Seat/km - Feasibility
3.90	Caltrain 2015 EIR for PCEP, gallons/mile - 8 car
1.46	Converted to 3-car set, gallons/mile

Fuel Consumption	DMU	HBMU	Renewable Diesel
Idle Fuel Consumption (gallons/hour)	6.50	5.76	6.76
Average Fuel Consumption (miles/gallon)	1.81	1.61	1.88
HBMU/DMU Ratio	0.89		

Segment	**Tri-Valley**	**Altamont**	**Tracy to Lathrop**	**Total**	**BAAQMD**	**SJVAPCD**
Southfront IOS Length in Miles	9.66	0.00		9.66	9.66	0.00
Greenville IOS Length in Miles	11.71	0.00		11.71	11.71	0.00
Mtn. House IOS Length in Miles	11.71	12.26		23.97	22.68	1.29
PP Track Length in Miles	11.71	14.52	15.57	41.81	22.68	19.13
Stone Cut Alignment Length in Miles	11.71	14.11	15.57	41.40	22.27	19.13
Number of Station Stops	3	1	3	7	4	3

Weekday 1-way Daily Passenger Trips			
2025 Southfront IOS	106	0	
2025 Greenville IOS	106	0	
2025 Mtn. House IOS	106	106	
2025 Proposed Project	106	106	54
2040 Proposed Project	144	144	100
2025 Southfront	106	106	54
2040 Southfront	144	144	100

Weekday Daily Train Miles				Daily miles	Annual miles	BAAQMD	SJVAPCD	BAAQMD%
2025 Southfront IOS	1,041	-		1,041	263,260	1041	0	100%
2025 Greenville IOS	1,261	-		1,261	319,123	1261	0	100%
2025 Mtn. House IOS	1,261	1,320		2,582	653,204	2443	139	95%
2025 Proposed Project	1,261	1,565	855	3,681	931,231	2443	1238	66%
2040 Proposed Project	1,714	2,126	1,583	5,422	1,371,753	3319	2103	61%
2025 Southfront	1,261	1,565	855	3,681	931,231	2443	1238	66%
2040 Southfront	1,714	2,126	1,583	5,422	1,371,753	3319	2103	61%
2025 Stone Cut Alignment Alternative	1,261	1,521	855	3,637	920,057	2399	1238	66%
2040 Stone Cut Alignment Alternative	1,714	2,066	1,583	5,362	1,356,572	3259	2103	61%

Weekday Daily Idle Hours (2 minutes per stop)				Total Hours
2025 Southfront IOS	10.60			11
2025 Greenville IOS	10.60	-		11
2025 Southfront/Mtn. House IOS	10.60	3.53		14
2025 Proposed Project	10.60	3.53	5.40	20
2040 Proposed Project	14.40	4.80	10.00	29
2025 Southfront	10.60	3.53	5.40	20
2040 Southfront	14.40	4.80	10.00	29

Weekday Daily Gallons Fuel Consumption				Total Gallons	Annual Gallons
2025 Southfront IOS	643	-		643	162,766
2025 Greenville IOS	765	-		765	193,605
2025 Mtn. House IOS	765	752		1,517	383,848
2025 Proposed Project	765	887	507	2,159	546,214
2040 Proposed Project	1,040	1,205	939	3,183	805,303
2025 Southfront	765	887	507	2,159	546,214
2040 Southfront	1,040	1,205	939	3,183	805,303
2025 Stone Cut Alignment Alternative	765	862	507	2,135	540,045
2040 Stone Cut Alignment Alternative	1,040	1,172	939	3,150	796,923

Weekend (for GHG only)

Weekend Daily 1-way Daily Passenger Trips				
2025 Southfront IOS	40	0		
2025 Greenville IOS	40	0		
2025 Mtn. House IOS	40	20		
2025 Proposed Project	40	20	20	
2040 Proposed Project	60	30	30	12
2025 Southfront	40	20	20	1344
2040 Southfront	60	30	30	

Weekend Daily Train Miles				Weekend Daily miles	Annual miles
2025 Southfront IOS	393	-		393	43,978
2025 Greenville IOS	476	-		476	53,310
2025 Mtn. House IOS	476	295		771	86,376
2025 Proposed Project	476	295	317	1,088	121,830
2040 Proposed Project	714	443	475	1,632	182,744
2025 Southfront	476	295	317	1,088	121,830
2040 Southfront	714	443	475	1,632	182,744
2025 Stone Cut Alignment Alternative	476	287	317	1,079	120,896
2040 Stone Cut Alignment Alternative	714	430	475	1,619	181,344

Weekend Daily Idle Hours (assumes 2 minutes per stop)

2025 Southfront IOS	4		
2025 Greenville IOS	4		
2025 Mtn. House IOS	4	2	
2025 Proposed Project	4	2	2
2040 Proposed Project	6	3	3
2025 Southfront	4	2	2
2040 Southfront	6	3	3

Weekend Daily Gallons Fuel Consumption				Weekend Daily Fuel Cons	Annual Fuel Cons	Add on top of weekday
2025 Southfront IOS	243	-		243	27,190	17%
2025 Greenville IOS	289	-		289	32,342	17%
2025 Mtn. House IOS	289	176		465	52,052	14%
2025 Proposed Project	289	176	188	653	73,081	13%
2040 Proposed Project	433	264	282	979	109,621	14%
2025 Southfront	289	176	188	653	73,081	13%
2040 Southfront	433	264	282	979	109,621	14%
2025 Stone Cut Alignment Alternative	289	171	188	648	72,565	13%
2040 Stone Cut Alignment Alternative	433	257	282	972	108,848	14%

Total Annual (Weekday +Weekend)	Gallons	Miles	O&M Cost	
2025 Southfront IOS	189,956	307,238	$308,419	0%
2025 Greenville IOS	225,947	372,433	$372,807	0%
2025 Mtn. House IOS	435,900	739,580	$773,292	5%
2025 Proposed Project	619,295	1,053,061	$1,034,868	-2%
2040 Proposed Project	914,924	1,554,497	$1,600,280	3%
2025 Southfront	619,295	1,053,061	$1,034,868	-2%
2040 Southfront	914,924	1,554,497	$1,600,280	3%
2025 Stone Cut Alignment Alternative	612,611	1,040,953	$1,034,868	-1%
2040 Stone Cut Alignment Alternative	905,771	1,537,916	$1,600,280	4%
2025 Stone Cut/PP	0.989			
2040 Stone Cut/PP	0.990			

Weekdays (days	253
Weekend/Holiday (days)	112

2025 Emissions (lbs/day)	**Tri-Valley - SF IOS**	**Tri-Valley - GV IOS**	**Altamont - GV IOS**	**Total - GV IOS**	**Tri-Valley - MH IOS**	**Altamont - MH IOS**	**Total - MH IOS**	**Tri-Valley**	**Altamont**	**SCAA**	**Tracy to Lathrop**	**Totals**	**SCAA**	**Unit**
PM_{10}	0.44	0.53	-	0.53	0.53	0.52	1.04	0.53	0.61	0.59	0.35	1.49	1.47	
$PM_{2.5}$	0.43	0.51	-	0.51	0.51	0.50	1.01	0.51	0.59	0.58	0.34	1.44	1.42	
VOC	1.24	1.48	-	1.48	1.48	1.45	2.93	1.48	1.71	1.67	0.98	4.17	4.12	
NO_X	29.50	35.09	-	35.09	35.09	34.48	69.57	35.09	40.66	39.55	23.25	99.00	97.88	
CO	37.76	44.92	-	44.92	44.92	44.14	89.05	44.92	52.05	50.62	29.76	126.72	125.29	Pounds
CO_2	14,438.60	17,174.29	-	17,174.29	17,174.29	16,875.99	34,050.28	17,174.29	19,901.88	19,354.64	11,377.30	48,453.47	47,906.23	per Day
CH4	1.18	1.40	-	1.40	1.40	1.38	2.78	1.40	1.63	1.58	0.93	3.96	3.92	
N2O	0.38	0.46	-	0.46	0.46	0.45	0.90	0.46	0.53	0.51	0.30	1.29	1.27	
HFC	-	-	-	-	-	-	-	-	-	-	-	-	-	
CO2e daily	14,582.39	17,345.32	-	17,345.32	17,345.32	17,044.05	34,389.37	17,345.32	20,100.08	19,547.39	11,490.60	48,936.00	48,383.31	
CO2e Weekend/Holiday Daily	5,502.79	6,545.40	-	6,545.40	6,545.40	3,988.91	10,534.32	6,545.40	3,988.91	3,884.63	4,255.78	14,790.09	14,685.81	
CO_2e Metric Tons/Year	1,953.01	2,323	-	2,323.05	2,323	2,159	4,481.65	2,323	2,509	2,441	1,535	6,367.21	6,298.49	MT/Year
												-	-	
2040 Emissions (lbs/day)												-	-	
PM_{10}								0.72	0.83	0.81	0.65	2.19	2.17	
$PM_{2.5}$								0.69	0.80	0.78	0.63	2.12	2.10	
VOC								2.01	2.33	2.26	1.81	6.15	6.08	
NO_X								47.67	55.24	53.72	43.05	145.96	144.44	
CO								61.02	70.71	68.76	55.10	186.83	184.89	Pounds
CO_2								23,331.11	27,036.52	26,293.10	21,069.07	71,436.70	70,693.28	per Day
CH4								1.91	2.21	2.15	1.72	5.84	5.78	
N2O								0.62	0.72	0.70	0.56	1.90	1.88	
HFC								-	-	-	-	-	-	
CO2e								23,563.46	27,305.76	26,554.94	21,278.89	72,148.11	71,397.29	
CO2e Weekend/Holiday Daily								9,818.11	5,983.37	5,826.94	6,383.67	22,185.14	22,028.72	
CO_2e Metric Tons/Year								3,203	3,438	3,343	2,766	9,406.69	9,312.58	MT/Year

PM10 for HRA						
Track Alignment	Total - SF IOS	Total - GV IOS	Tri-Valley - MH IOS	Tri-Valley	Altamont	Tracy to Lathrop
Track Alignment Miles	9.66	11.71	11.71	11.71	14.52	15.57
2025 Emissions (lbs/day)						
DMU traditional diesel	0.44	0.53	0.53	0.53	0.61	0.35
DMU renewable diesel	0.32	0.38	0.38	0.38	0.44	0.25
DEMU traditional diesel	-	-	-	-	-	-
DEMU renewable diesel	-	-	-	-	-	-
2040 Emissions (lbs/day)						
DMU traditional diesel				0.72	0.83	0.65
DMU renewable diesel				0.52	0.60	0.47
DEMU traditional diesel				-	-	-
DEMU renewable diesel				-	-	-

PM10 Station Idle Emissions for HRA (grams/day)		
Year 2025		
Engine/Fuel Type	Traditional Diesel	Renewable Diesel
Tri-Valley Stations - GV/MH IOS	7.19	5.03
Tri-Valley Stations	7.19	5.03
Altamont Station	7.19	5.03
Tracy to Lathrop Stations	3.66	2.56
Year 2040		
Engine/Fuel Type	Traditional Diesel	Renewable Diesel
Tri-Valley Stations	9.76	6.84
Altamont Station	9.76	6.84
Tracy to Lathrop Stations	6.78	4.75

Gallons/idle hour	6.52
Traditional Diesel g/gal	0.312
Renewable Diesel g/gal	0.218
Idle Time (hours)	Stops
3.53	106
3.53	106
3.53	106
1.80	54
Idle Time (hours)	Stops
4.80	144
4.80	144
3.33	100

Emission Factor Calculations

Line Haul Emissions Factors (g/bhp-hr)

	PM_{10}	HC	NO_X	CO
Tier 4 Factors	0.015	0.040	1.000	1.280

Source: USEPA 2009 Emis Facs for Locomotives

GHG Emission Factors

CO2 (lb/gal)	CH4 (g/hp-hr)	N2O (g/hp-hr)
22.44	0.040	0.013
Source for CO2: USEPA Greenhouse Gases Equivalencies Calculator - Calculations and References (https://www.epa.gov/energy/greenhouse-gases-equivalencies-calculator-calculations-and-references)		
Source for CH4 & N2O: POLB 2016 Air Emissions Inventory (http://polb.com/civica/filebank/blobdload.asp?BlobID=14109) which appears to have taken the factors from the EPA Inventory of U.S. Greenhouse Gas Emissions and Sinks.		

Passenger bhp-hr/gal conversion factor (USEPA 2009)	20.800

	PM_{10}	HC	NO_X	CO
Tier 4 g/gal factors	0.312	0.832	20.800	26.624

HC-to-VOC factor		1.053
PM10 to PM2.5 factor	0.97	

			WTW_{TD}	RD
Final Emission Factors	**g/gallon**	**lb/gallon**	**lb/gallon**	**lb/gallon**
PM10	0.3120	0.00069		0.00048
PM2.5	0.3026	0.00067		0.00047
VOC	0.8761	0.00193		
NOX	20.8000	0.04586		
CO	26.6240	0.05870		
CO2	10,180	22.44		
CH4	0.832	0.00183		
N2O	0.270	0.00060		
HFC/other (assumed 0)	0	0		
CO2e	10,281	22.67	30.54	10.64

Diesel Fuel Carbon Intensity in Grams/Gallon

Traditional Diesel	Traditional Diesel $_{wtw}$	Renewable Diesel $_{wtw}$
10,180	13,718	4,781

WTW = Wells extraction to mobile exhaust emissions

Table 17: VMT Reduction Estimates

	Year 2025						Year 2040	
	SF IOS	**SF MH IOS**	**GV IOS**	**GV MH IOS**	**SF Alt**	**PP**	**PP**	**SF**
Daily Ridership	10,057	11,101	8,372	9,944	1,355	12,704	31,710	32,993
Daily VMT	79,900	90,300	68,800	85,100	206,100	202,300	556,500	578,500
Fuel (gallons/day)								
Gasoline	2,328	2,632	2,005	2,480	6,034	5,923	12,352	12,840
Diesel	704	796	606	750	1,943	1,907	4,330	4,501
Criteria Pollutants (ppd)								
PM2.5	6	7	5	7	16	16	44	45
PM10	23	26	20	25	62	61	167	174
NOx	40	45	34	42	109	107	229	238
CO	121	137	104	129	303	297	562	584
ROG	11	13	10	12	28	28	44	45
MSATs (grams/day)								
1,3-Butadiene	12	14	11	13	30	29	53	55
Acetaldehyde	24	27	21	26	64	63	130	135
Acrolein	3	3	2	3	7	6	11	12
Benzene	86	98	74	92	212	208	349	363
Diesel PM	104	117	90	111	325	319	763	793
Ethylbenzene	74	83	64	79	181	178	279	290
Formaldehyde	67	76	58	72	174	171	338	351
Naphthalene	6	7	5	6	15	14	24	25
POM	2	2	2	2	5	5	9	9
DEOG	196	222	169	209	562	552	1,175	1,222
GHG Emissions (metric tons/year)								
CO2	6,804	7,690	5,859	7,247	17,797	17,469	37,412	38,891
CH4	0.38	0.43	0.3	0.4	1.0	1.0	2.2	2.3
N2O	0.25	0.28	0.2	0.3	0.6	0.6	1.1	1.2
HFC	0.01	0.01	0.010	0.012	0.028	0.028	0.008	0.008
CO2e (w/o Weekend)	6,904	7,802	5,945	7,353	18,039	17,707	37,813	39,308
CO2e (w/Weekend/Holiday)	7,668	8,666	6,603	8,167	20,036	19,666	41,998	43,659
BC (grams/day)	40	45	34	43	110	108	188	195
VMT adjustment to include wkend	111%	111%	111%	111%	111%	111%	111%	111%
annual Gasoline (weekday)	589,095	665,774	507,256	627,435	1,526,621	1,498,474	3,125,003	3,248,543
Annual Gasoline (w/weekend/Holiday	654,292	739,456	563,395	696,874	1,695,575	1,664,313	3,470,853	3,608,066
Annual Diesel (weekday)	178,165	201,355	153,413	189,760	491,612	482,548	1,095,426	1,138,732
Annual Diesel (w/weekend/Holiday)	197,882	223,639	170,392	210,761	546,020	535,953	1,216,659	1,264,757
Annual ridership (weekday)	2,544,421	2,808,553	2,118,116	2,515,832	342,815	3,214,112	8,022,630	8,347,229

	VMT reduction
IOS to Southfront	79,900
IOS to Greenville	68,800
IOS Greenville/Mtn. House	85,100
IOS Southfront/Mtn. House	90,300
PP 2025	202,300
PP 2040	556,500
Southfront 2025	206,100
Southfront 2040	578,500
Bus/BRT 2025	35,210
Bus/BRT 2040	157,560

Bus/BRT	968,498	1,476,550
	30%	18%

	Ridership	VMT Reduction
PP 2025	10,910	202,300
Bus/BRT 2025	4,860	35,210
Compare	45%	17%
PP 2040	26,200	556,500
Bus/BRT 2040	10,390	157,560
Compare	40%	28%

	2025
VMT red Bus/BRT	35,210
VMT Red PP	202,300
Scale	17%

	2040
VMT red Bus/BRT	157,560
VMT Red PP	556,500
Scale	28%

Global Warming Potentials (per IPCC AR4)	
CO2	1
CH4	25
N2O	298
HFC	1430

Weekend VMT Red	**IOS to MH 2025**
BART D/P WE/WD Jan. 2019	25%
Weekend VMT Red	21,275
Daily Weekday	29
GHG weekend/hol Annual	814

Weekend VMT Red	**IOS to GV 2025**
BART D/P WE/WD Jan. 2019	25%
Weekend VMT Red	17,200
Daily Weekday	23
GHG weekend/hol Annual	658

Weekend VMT Red	**2025**
BART D/P WE/WD Jan. 2019	25%
Weekend VMT Red	50,575
Daily Weekday	70
GHG weekend/hol Annual	1,960

Weekend VMT Red	**2040**
BART D/P WE/WD Jan. 2019	25%
Weekend VMT Red	139,125
Daily Weekday	149
GHG weekend/hol Annual	4,185

Table 18: Composite 2020 VMT Criteria Pollutant and GHG Emissions

Weighting	50%	50%						
	Alameda	San Joaquin						
	Total	Total			Composite			
Pollutant Name	(grams)	(grams)	Grams/day	Pounds/day	Tons/year	MT/year		
PM2.5	6,687.26	7,030.54	6,859	16	2.0			
PM10	24,953.26	26,513.09	25,733	61	7.7			
NOx	42,481.79	48,284.47	45,383	107	13.6			
CO	130,085.08	121,869.29	125,977	297	37.6			
HC	13,029.39	11,629.28	12,329	29	3.7			
TOG	14,075.48	12,621.40	13,348	32	4.0			
ROG	12,250.02	11,134.61	11,692	28	3.5			
1,3-Butadiene	31.07	27.26	29	0	0.0			
Acetaldehyde	60.82	65.03	63	0	0.0			
Acrolein	6.93	6.00	6	0	0.0			
Benzene	218.98	196.95	208	0	0.1			
Diesel PM	263.22	373.95	319	1	0.1			
Ethylbenzene	186.98	168.44	178	0	0.1			
Formaldehyde	170.08	172.41	171	0	0.1			
Naphthalene	15.26	13.71	14	0	0.0			
POM	5.37	5.14	5	0	0.0			
DEOG	496.69	606.96	552	1	0.2			
CO2	68,090,909.10	70,005,176.67	69,048,043	163,006	20,620.2	17,469.2	253	Annualization factor (52 weeks X 5 days/week minus 7 holidays)
CH4	3,806.29	4,175.72	3,991	9	1.2	1.0		
N2O	2,484.67	2,101.92	2,293	5	0.7	0.6		
BC	101.24	114.94	108	0	0.0	0.0		
HFC	114.63	103.42	109	0	0.0	0.0		

Fuel Consumption	Alameda	San Joaquin	Sum Both Counties				
Fuel Type	(gallons)	(gallons)	gal/day	gal/year			
Gasoline	5,895.41	5,950.23	5,923	1,498,474	15299.41824	0.783132098	
Diesel	1,782.99	2,031.62	1,907	482,548.15	4236.772749	0.216867902	
					19536.19099		

	Interim Build-out										
	GV IOS	**GV IOS**	**GV IOS**	**GVIOS**	**MH IOS**	**MH IOS**	**MH IOS**	**MH IOS**	**MH IOS**	**MH IOS**	
Weighting	100%	100%	100%	100%	100%	0%					
	Alameda	Alameda	Alameda	Alameda	Alameda	San Joaquin	Composite	Composite	Composite	Composite	
	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	
Pollutant Name	Grams/day	Pounds/day	Tons/year	MT/year	Grams/day	Grams/day	Grams/day	Pounds/day	Tons/year	MT/year	
PM2.5	2,274.26	5.37	1.0		2,813.08	2,957.48	2,813	7	1.2		
PM10	8,486.33	20.03	3.7		10,496.90	11,153.06	10,497	25	4.5		
NOx	14,447.59	34.11	6.2		17,870.49	20,311.46	17,870	42	7.7		
CO	44,240.50	104.44	19.1		54,721.90	51,265.82	54,722	129	23.6		
HC	4,431.15	10.46	1.9		5,480.97	4,892.00	5,481	13	2.4		
TOG	4,786.91	11.30	2.1		5,921.02	5,309.35	5,921	14	2.6		
ROG	4,166.10	9.84	1.8		5,153.12	4,683.91	5,153	12	2.2		
1,3-Butadiene	10.57	0.02	0.0		13.07	11.47	13	0	0.0		
Acetaldehyde	20.68	0.05	0.0		25.58	27.35	26	0	0.0		
Acrolein	2.36	0.01	0.0		2.92	2.52	3	0	0.0		
Benzene	74.47	0.18	0.0		92.12	82.85	92	0	0.0		
Diesel PM	89.52	0.21	0.0		110.73	157.31	111	0	0.0		
Ethylbenzene	63.59	0.15	0.0		78.65	70.86	79	0	0.0		
Formaldehyde	57.84	0.14	0.0		71.55	72.53	72	0	0.0		
Naphthalene	5.19	0.01	0.0		6.42	5.77	6	0	0.0		
POM	1.83	0.00	0.0		2.26	2.16	2	0	0.0		
DEOG	168.92	0.40	0.1		208.94	255.32	209	0	0.1		
CO2	23,156,967.60	54,668	9,976.9	5,858.7	28,643,284.06	29,448,544.41	28,643,284	67,620	8,553.9	7,246.8	
CH4	1,294.48	3.1	0.6	0.3	1,601.16	1,756.57	1,601	4	0.5	0.4	
N2O	845.01	2.0	0.4	0.2	1,045.21	884.20	1,045	2	0.3	0.3	
BC	34.43	0.1	0.0	0.0	42.59	48.35	43	0	0.0	0.0	
HFC	38.98	0.1	0.0	0.0	48.22	43.50	48	0	0.0	0.0	

Fuel Consumption	Alameda		Alameda	San Joaquin	Sum Both Counties	
Fuel Type	(gallons)		(gallons)	(gallons)	gal/day	gal/year
Gasoline	2,004.97		2,479.98	2,503.04	2,480	627,435
Diesel	606.38		750.04	854.62	750	189,759.72
					3,230	

253 Annualization factor (52 weeks X 5 days/week minus 7 holidays)

Table 19: 2025 Alameda County Vehicle Criteria Pollutant and GHG Emissions

CT-EMFAC2017 Version: 1.0.2.27401
Area: Alameda (SF)
Analysis Year: 2025
Season: Annual

Vehicle Category	VMT Fraction Across Category	Diesel VMT Fraction Within Category	Gas VMT Fraction Within Category
Truck 1	0.026	0.482	0.518
Truck 2	0.07	0.958	0.029
Non-Truck	0.904	0.015	0.954

Road Type: Freeway
Silt Loading Factor: CARB 0.015 g/m2
Precipitation Correction: CARB P = 61 days N = 365 days

Road Length: 1 miles
Volume: 10,824 vehicles per hour
Number of Hours: 24 hours

full build-out hourly	daily	
10,824	259,776	original estimate
8,429	202,300	revised estimate
-2,395	-57,476	delta
-22.13%	-22.13%	percent change from origional estimate

3,546	85,100	MH IOS build-out
-67.24%	-67.24%	percent change from origional estimate

2,867	68,800	GV IOS build-out
-73.52%	-73.52%	percent change from origional estimate

VMT Distribution by Speed Bin (mph):

<= 5 mph	0.33%
10 mph	1.14%
15 mph	1.29%
20 mph	2.31%
25 mph	5.81%
30 mph	20.60%
35 mph	9.18%
40 mph	7.96%
45 mph	4.88%
50 mph	5.98%
55 mph	5.21%
60 mph	15.06%
65 mph	20.09%
70 mph	0.14%
75 mph	0.02%

Summary of Emissions and Consumption

Pollutant Name	Running Exhaust (grams)	Running Loss (grams)	Tire Wear (grams)	Brake Wear (grams)	Road Dust (grams)	Total (grams)	Total (US tons)	Revised Buildout Total (grams)	GV IOS Interim Total (grams)	MH IOS Interim Total (grams)
PM2.5	621.20	-	614.1	4,635.70	2,716.20	8,587.20	0.009	6,687.26	2,274.26	2,813.08
PM10	661.60	-	2,457.00	10,816.80	18,107.40	32,042.80	0.035	24,953.26	8,486.33	10,496.90
NOx	54,551.40	-	-	-	-	54,551.40	0.06	42,481.79	14,447.59	17,870.49
CO	167,043.90	-	-	-	-	167,043.90	0.184	130,085.08	44,240.50	54,721.90
HC	7,350.30	9,380.90	-	-	-	16,731.20	0.018	13,029.39	4,431.15	5,480.97
TOG	8,045.10	10,029.40	-	-	-	18,074.50	0.02	14,075.48	4,786.91	5,921.02
ROG	5,700.90	10,029.40	-	-	-	15,730.40	0.017	12,250.02	4,166.10	5,153.12
1,3-Butadiene	39.9	0	-	-	-	39.9	< 0.001	31.07	10.57	13.07
Acetaldehyde	78.1	-	-	-	-	78.1	< 0.001	60.82	20.68	25.58
Acrolein	8.9	-	-	-	-	8.9	< 0.001	6.93	2.36	2.92
Benzene	180.9	100.3	-	-	-	281.2	< 0.001	218.98	74.47	92.12
Diesel PM	338	-	-	-	-	338	< 0.001	263.22	89.52	110.73
Ethylbenzene	75.6	164.5	-	-	-	240.1	< 0.001	186.98	63.59	78.65
Formaldehyde	218.4	-	-	-	-	218.4	< 0.001	170.08	57.84	71.55
Naphthalene	5.60	14	-	-	-	19.60	< 0.001	15.26	5.19	6.42
POM	6.90	-	-	-	-	6.90	< 0.001	5.37	1.83	2.26
DEOG	637.80	-	-	-	-	637.80	< 0.001	496.69	168.92	208.94
CO2	87,436,401.40	-	-	-	-	87,436,401.40	96.382	68,090,909.10	23,156,967.60	28,643,284.06
N2O	4,887.70	-	-	-	-	4,887.70	0.005	3,806.29	1,294.48	1,601.16
CH4	1,699.50	1,491.10	-	-	-	3,190.60	0.004	2,484.67	845.01	1,045.21
BC	130	-	-	-	-	130	< 0.001	101.24	34.43	42.59
HFC	-	147.2	-	-	-	147.2	< 0.001	114.63	38.98	48.22

Fuel Type	Fuel Consumption (gallons)	Revised Buildout	GV IOS Interim	MH IOS Interim
Gasoline	7,570.38	5,895.41	2,004.97	2,479.98
Diesel	2,289.57	1,782.99	606.38	750.04

END

Table 20: 2025 San Joaquin County Vehicle Criteria Pollutant and GHG Emissions

CT-EMFAC2017 Version:	1.0.2.27401	
Area:	San Joaquin (SJV)	
Analysis Year:	2025	
Season:	Annual	

Vehicle Category	VMT Fraction Across Category	Diesel VMT Fraction Within Category	Gas VMT Fraction Within Category
Truck 1	0.026	0.567	0.433
Truck 2	0.081	0.975	0.018
Non-Truck	0.893	0.013	0.965

Road Type:	Freeway		
Silt Loading Factor:	CARB	0.015 g/m2	
Precipitation Correction:	CARB	P = 55 days	N = 365 days

Road Length:	1	miles
Volume:	10,824	vehicles per hour
Number of Hours:	24	hours

hourly	daily	
10,824	259,776	original estimate
8,429	202,300	revised estimate
-2,395	-57,476	delta
-22.13%	-22.13%	percent change from origional estimate

3,546	85,100	interim build-out
-67.24%	-67.24%	percent change from origional estimate

VMT Distribution by Speed Bin (mph):

<= 5 mph	0.24%
10 mph	0.43%
15 mph	0.84%
20 mph	1.06%
25 mph	7.14%
30 mph	8.51%
35 mph	7.43%
40 mph	9.50%
45 mph	6.81%
50 mph	5.30%
55 mph	6.56%
60 mph	21.12%
65 mph	15.94%
70 mph	9.09%
75 mph	0.02%

Summary of Emissions and Consumption

Pollutant Name	Running Exhaust (grams)	Running Loss (grams)	Tire Wear (grams)	Brake Wear (grams)	Road Dust (grams)	Total (grams)	Total (US tons)	Revised Buildout Total (grams)	Interim Buildout Total (grams)
PM2.5	740.6	-	638.3	4,681.70	2,967.40	9,028.00	0.01	7,030.54	2,957.48
PM10	785.6	-	2,553.30	10,924.10	19,782.70	34,045.80	0.038	26,513.09	11,153.06
NOx	62,002.70	-	-	-	-	62,002.70	0.068	48,284.47	20,311.46
CO	156,493.90	-	-	-	-	156,493.90	0.173	121,869.29	51,265.82
HC	6,363.00	8,570.30	-	-	-	14,933.30	0.016	11,629.28	4,892.00
TOG	7,044.60	9,162.80	-	-	-	16,207.30	0.018	12,621.40	5,309.35
ROG	5,135.30	9,162.80	-	-	-	14,298.10	0.016	11,134.61	4,683.91
1,3-Butadiene	35	0	-	-	-	35	< 0.001	27.26	11.47
Acetaldehyde	83.5	-	-	-	-	83.5	< 0.001	65.03	27.35
Acrolein	7.7	-	-	-	-	7.7	< 0.001	6.00	2.52
Benzene	161.3	91.6	-	-	-	252.9	< 0.001	196.95	82.85
Diesel PM	480.2	-	-	-	-	480.2	< 0.001	373.95	157.31
Ethylbenzene	66.1	150.3	-	-	-	216.3	< 0.001	168.44	70.86
Formaldehyde	221.4	-	-	-	-	221.4	< 0.001	172.41	72.53
Naphthalene	4.8	12.8	-	-	-	17.6	< 0.001	13.71	5.77
POM	6.6	-	-	-	-	6.6	< 0.001	5.14	2.16
DEOG	779.4	-	-	-	-	779.4	< 0.001	606.96	255.32
CO2	89,894,536.70	-	-	-	-	89,894,536.70	99.092	70,005,176.67	29,448,544.41
N2O	5,362.10	-	-	-	-	5,362.10	0.006	4,175.72	1,756.57
CH4	1,348.90	1,350.30	-	-	-	2,699.10	0.003	2,101.92	884.20
BC	147.6	-	-	-	-	147.6	< 0.001	114.94	48.35
HFC	-	132.8	-	-	-	132.8	< 0.001	103.42	43.50

Fuel Type	Fuel Consumption (gallons)		
Gasoline	7,640.77	5,950.23	2,503.04
Diesel	2,608.82	2,031.62	854.62

END

Table 21: 2025 Alameda County EMFAC Outputs

CT-EMFAC2017 Version: 1.0.2.27401
Area: Alameda (SF)
Analysis Year: 2025
Season: Annual

==========

Vehicle Category	VMT Fraction Across Category	Diesel VMT Fraction Within Category	Gas VMT Fraction Within Category
Truck 1	0.026	0.482	0.518
Truck 2	0.07	0.958	0.029
Non-Truck	0.904	0.015	0.954

==========

Road Type: Freeway
Silt Loading Factor: CARB 0.015 g/m2
Precipitation Correction: CARB P = 61 days N = 365 days

==========

Fleet Average Running Exhaust Emission Factors (grams/veh-mile)

Pollutant Name	<= 5 mph	10 mph	15 mph	20 mph	25 mph	30 mph	35 mph	40 mph	45 mph	50 mph	55 mph	60 mph	65 mph	70 mph	75 mph
PM2.5	0.008734	0.005796	0.003998	0.002914	0.00227	0.001907	0.001735	0.001706	0.001791	0.001979	0.002262	0.002645	0.003138	0.003233	0.003233
PM10	0.009437	0.006253	0.004308	0.003136	0.00244	0.002046	0.001857	0.00182	0.001907	0.002101	0.002398	0.002801	0.00332	0.003423	0.003423
NOx	0.876897	0.678265	0.494545	0.401806	0.32496	0.257153	0.203765	0.164597	0.139528	0.128494	0.131475	0.148459	0.179467	0.181079	0.181079
CO	1.446834	1.22506	1.041418	0.913733	0.822069	0.748164	0.686701	0.635651	0.593819	0.560662	0.536294	0.521851	0.519414	0.524642	0.527372
HC	0.163191	0.107515	0.072135	0.051098	0.038743	0.030954	0.025925	0.02276	0.020955	0.020246	0.020543	0.02194	0.024639	0.02664	0.026852
TOG	0.18092	0.119306	0.079479	0.05592	0.042333	0.033809	0.028303	0.02484	0.022869	0.022107	0.022453	0.024012	0.027001	0.02924	0.029546
ROG	0.131683	0.086039	0.056639	0.039372	0.029608	0.023558	0.019697	0.017314	0.016014	0.015596	0.015998	0.017285	0.019639	0.021416	0.021684
1,3-Butadiene	0.000888	0.000577	0.000389	0.000276	0.000208	0.000165	0.000138	0.000122	0.000113	0.00011	0.000113	0.000122	0.000138	0.000138	0.000139
Acetaldehyde	0.002253	0.001546	0.000895	0.000539	0.000397	0.000318	0.000265	0.000231	0.000211	0.000205	0.000211	0.000229	0.000258	0.000275	0.000295
Acrolein	0.000195	0.000126	0.000086	0.000061	0.000046	0.000037	0.000031	0.000027	0.000025	0.000025	0.000025	0.000027	0.000031	0.000031	0.000031
Benzene	0.004119	0.002687	0.001785	0.00125	0.000942	0.000749	0.000626	0.000551	0.00051	0.000498	0.000509	0.000549	0.000622	0.000627	0.000632
Diesel PM	0.001496	0.001242	0.000973	0.000796	0.000707	0.000692	0.000741	0.000849	0.001016	0.001238	0.001517	0.001847	0.002227	0.002227	0.002227
Ethylbenzene	0.001679	0.00109	0.000735	0.000522	0.000394	0.000313	0.000262	0.000231	0.000214	0.000209	0.000214	0.00023	0.000261	0.000262	0.000263
Formaldehyde	0.00588	0.003979	0.002393	0.001509	0.00112	0.000894	0.000745	0.000652	0.000599	0.000583	0.000598	0.000647	0.00073	0.000765	0.000805
Naphthalene	0.000124	0.000083	0.000055	0.000038	0.000029	0.000023	0.00002	0.000017	0.000016	0.000015	0.000016	0.000017	0.000019	0.000018	0.000018
POM	0.000163	0.000107	0.00007	0.000047	0.000035	0.000028	0.000024	0.000021	0.000019	0.000019	0.000019	0.000021	0.000024	0.000024	0.000024
DEOG	0.021554	0.015113	0.008137	0.004438	0.00321	0.002571	0.00213	0.001839	0.001672	0.001615	0.001663	0.001804	0.002021	0.002262	0.002534
CO2	801.776386	655.121208	528.925449	442.895494	380.996933	337.34261	310.217016	296.239283	292.994152	298.554893	309.845589	324.000372	338.940628	341.382547	341.382547
N2O	0.043409	0.036471	0.029172	0.025196	0.02228	0.019841	0.018091	0.016857	0.016095	0.015953	0.016294	0.017139	0.018489	0.018489	0.018489
CH4	0.029125	0.021	0.01518	0.011501	0.009144	0.00755	0.006449	0.005697	0.005205	0.004922	0.004825	0.004941	0.005279	0.005514	0.005526
BC	0.002132	0.001401	0.000961	0.000696	0.000536	0.000442	0.000391	0.000371	0.000375	0.0004	0.000444	0.000507	0.000591	0.000591	0.000591

Fleet Average Fuel Consumption (gallons/veh-mile)

Fuel Type	<= 5 mph	10 mph	15 mph	20 mph	25 mph	30 mph	35 mph	40 mph	45 mph	50 mph	55 mph	60 mph	65 mph	70 mph	75 mph
Gasoline	0.068396	0.05535	0.045281	0.037742	0.032242	0.028645	0.026544	0.025671	0.025768	0.02649	0.027604	0.028675	0.029515	0.029515	0.029515
Diesel	0.021839	0.018128	0.014144	0.012132	0.010605	0.009337	0.008412	0.007749	0.007361	0.007286	0.007496	0.007956	0.008691	0.008691	0.008691

==========

Fleet Average Running Loss Emission Factors (grams/veh-hour)

Pollutant Name	Emission Factor
HC	1.225411
TOG	1.310123
ROG	1.310123
1,3-Butadiene	0
Benzene	0.013101
Ethylbenzene	0.021486
Naphthalene	0.001834
CH4	0.194775
HFC	0.019229

==========

Fleet Average Tire Wear Factors (grams/veh-mile)

Pollutant Name	Emission Factor
PM2.5	0.002364
PM10	0.009458

==========

Fleet Average Brake Wear Factors (grams/veh-mile)

Pollutant Name	Emission Factor
PM2.5	0.017845
PM10	0.041639

==========

Fleet Average Road Dust Factors (grams/veh-mile)

Pollutant Name	Emission Factor
PM2.5	0.010456
PM10	0.069704

==========END==========

Table 22: 2025 San Joaquin County EMFAC Outputs

CT-EMFAC2017 Version: 1.0.2.27401
Area: San Joaquin (SJV)
Analysis Year: 2025
Season: Annual

==========

Vehicle Category	VMT Fraction Across Category	Diesel VMT Fraction Within Category	Gas VMT Fraction Within Category
Truck 1	0.026	0.567	0.433
Truck 2	0.081	0.975	0.018
Non-Truck	0.893	0.013	0.965

==========

Road Type: Freeway
Silt Loading Factor: CARB 0.015 g/m2
Precipitation Correction: CARB P = 55 days N = 365 days

==========

Fleet Average Running Exhaust Emission Factors (grams/veh-mile)

Pollutant Name	<= 5 mph	10 mph	15 mph	20 mph	25 mph	30 mph	35 mph	40 mph	45 mph	50 mph	55 mph	60 mph	65 mph	70 mph	75 mph
PM2.5	0.009399	0.006303	0.004375	0.003207	0.002518	0.002135	0.001964	0.001952	0.002073	0.00231	0.00266	0.003124	0.003713	0.00382	0.00382
PM10	0.010134	0.006784	0.004702	0.003443	0.002699	0.002284	0.002096	0.002078	0.002201	0.002448	0.002814	0.003302	0.003922	0.004037	0.004037
NOx	1.072846	0.830726	0.606115	0.493416	0.400518	0.318509	0.253936	0.206596	0.176368	0.163185	0.167031	0.187871	0.225701	0.227674	0.227674
CO	1.446296	1.221563	1.036225	0.909312	0.818805	0.745501	0.68419	0.633	0.590823	0.557146	0.53205	0.516472	0.512311	0.516669	0.520124
HC	0.15207	0.099589	0.066404	0.046828	0.035511	0.028425	0.023872	0.02103	0.019439	0.018864	0.019227	0.020601	0.023187	0.025126	0.025394
TOG	0.170569	0.111928	0.074069	0.051866	0.039276	0.031425	0.026375	0.02322	0.021456	0.020827	0.021247	0.022797	0.025697	0.027897	0.028283
ROG	0.127387	0.083356	0.054644	0.037883	0.028504	0.022693	0.018973	0.016671	0.015416	0.015016	0.015413	0.016668	0.018951	0.020699	0.021038
1,3-Butadiene	0.000834	0.000541	0.000364	0.000258	0.000195	0.000155	0.00013	0.000114	0.000106	0.000103	0.000106	0.000114	0.000129	0.000139	0.00014
Acetaldehyde	0.002516	0.001723	0.001005	0.000615	0.000457	0.000367	0.000307	0.000268	0.000247	0.000241	0.00025	0.000269	0.0003	0.000331	0.000358
Acrolein	0.000181	0.000117	0.00008	0.000057	0.000043	0.000034	0.000029	0.000025	0.000023	0.000023	0.000023	0.000025	0.000028	0.000031	0.000031
Benzene	0.00395	0.002575	0.001706	0.001194	0.000899	0.000715	0.000598	0.000526	0.000487	0.000474	0.000487	0.000524	0.000592	0.000642	0.00065
Diesel PM	0.002134	0.001736	0.001344	0.001086	0.000955	0.000922	0.000972	0.0011	0.001302	0.001576	0.001922	0.002328	0.002793	0.002795	0.002795
Ethylbenzene	0.001576	0.001021	0.000688	0.000488	0.000368	0.000293	0.000245	0.000216	0.0002	0.000195	0.0002	0.000215	0.000243	0.000264	0.000265
Formaldehyde	0.006323	0.004279	0.002575	0.001635	0.00122	0.000977	0.000816	0.000714	0.000659	0.000642	0.000663	0.000714	0.000801	0.000879	0.000933
Naphthalene	0.000115	0.000076	0.00005	0.000035	0.000026	0.000021	0.000018	0.000016	0.000014	0.000015	0.000016	0.000018	0.000018	0.000018	0.000019
POM	0.000165	0.000109	0.00007	0.000048	0.000036	0.000029	0.000024	0.000021	0.00002	0.000019	0.00002	0.000022	0.000024	0.000026	0.000027
DEOG	0.026072	0.01816	0.010063	0.005779	0.004259	0.003429	0.002858	0.002485	0.002279	0.002222	0.002311	0.00249	0.002759	0.003066	0.003434
CO2	842.601128	688.871994	555.092848	465.149321	400.333796	354.216553	325.32553	310.095268	306.136302	311.593872	323.338391	338.383946	354.687075	357.113333	357.113333
N2O	0.049588	0.041497	0.03307	0.028624	0.025207	0.022427	0.02043	0.018993	0.018145	0.017929	0.018391	0.01935	0.020922	0.021053	0.021053
CH4	0.023837	0.016772	0.012084	0.009161	0.007353	0.006155	0.005344	0.004805	0.004469	0.004299	0.004282	0.004428	0.004761	0.004994	0.00501
BC	0.00228	0.001511	0.001043	0.00076	0.000589	0.000489	0.000436	0.000418	0.000426	0.000458	0.000512	0.000586	0.000683	0.000703	0.000703

Fleet Average Fuel Consumption (gallons/veh-mile)

Fuel Type	<= 5 mph	10 mph	15 mph	20 mph	25 mph	30 mph	35 mph	40 mph	45 mph	50 mph	55 mph	60 mph	65 mph	70 mph	75 mph
Gasoline	0.069878	0.056643	0.046365	0.038613	0.032986	0.029275	0.027124	0.026249	0.026309	0.027121	0.028191	0.029309	0.030148	0.030443	0.030443
Diesel	0.025739	0.021366	0.016656	0.014306	0.012503	0.011003	0.009912	0.009127	0.008666	0.008574	0.008824	0.009364	0.010227	0.010247	0.010247

==========

Fleet Average Running Loss Emission Factors (grams/veh-hour)

Pollutant Name	Emission Factor
HC	1.296877
TOG	1.386529
ROG	1.386529
1,3-Butadiene	0
Benzene	0.013865
Ethylbenzene	0.022739
Naphthalene	0.001941
CH4	0.204327
HFC	0.020089

==========

Fleet Average Tire Wear Factors (grams/veh-mile)

Pollutant Name	Emission Factor
PM2.5	0.002457
PM10	0.009829

==========

Fleet Average Brake Wear Factors (grams/veh-mile)

Pollutant Name	Emission Factor
PM2.5	0.018022
PM10	0.042052

==========

Fleet Average Road Dust Factors (grams/veh-mile)

Pollutant Name	Emission Factor
PM2.5	0.011423
PM10	0.076153

==========END==========

Table 23: 2040 VMT Composite Criteria Pollutant and GHG Emissions

Revised Build-out

Weighting	50%	50%					
	Alameda	San Joaquin					
	Total	Total			Composite		
Pollutant Name	(grams)	(grams)	Grams/day	Pounds/day	Tons/year	MT/year	
PM2.5	18,352.91	18,657.72	18,505	44	5.5		
PM10	70,042.91	71,726.62	70,885	167	21.2		
NOx	99,247.02	94,676.19	96,962	229	29.0		
CO	251,572.27	224,571.37	238,072	562	71.1		
HC	22,262.41	18,038.43	20,150	48	6.0		
TOG	24,079.36	19,568.91	21,824	52	6.5		
ROG	20,207.21	16,834.37	18,521	44	5.5		
1,3-Butadiene	60.16	44.85	53	0	0.0		
Acetaldehyde	140.84	119.45	130	0	0.0		
Acrolein	13.03	9.77	11	0	0.0		
Benzene	388.87	309.49	349	1	0.1		
Diesel PM	690.64	834.96	763	2	0.2		
Ethylbenzene	304.71	254.00	279	1	0.1		
Formaldehyde	370.51	305.14	338	1	0.1		
Naphthalene	25.95	21.39	24	0	0.0		
POM	9.56	7.71	9	0	0.0		
DEOG	1,227.08	1,123.81	1,175	3	0.4		
CO2	148,710,206.46	147,037,162.70	147,873,685	349,094	44,160.4	37,412.0	
CH4	8,736.06	8,737.91	8,737	21	2.6	2.2	
N2O	5,017.24	3,880.29	4,449	11	1.3	1.1	
BC	179.72	195.57	188	0	0.1	0.0	
HFC	32.25	27.26	30	0	0.0	0.0	

Fuel Consumption	Alameda	San Joaquin	Sum Both Counties	
Fuel Type	(gallons)	(gallons)	gal/day	gal/year
Gasoline	12,367.68	12,335.90	12,352	3,125,003
Diesel	4,283.74	4,375.76	4,330	1,095,426.36

253 Annualization factor (52 weeks X 5 days/week minus 7 holidays)

Table 24: 2025 Alameda County Vehicle Criteria Pollutant and GHG Emissions

CT-EMFAC2017 Version: 1.0.2.27401
Area: Alameda (SF)
Analysis Year: 2040
Season: Annual

Vehicle Category	VMT Fraction Across Category	Diesel VMT Fraction Within Category	Gas VMT Fraction Within Category
Truck 1	0.026	0.54	0.46
Truck 2	0.077	0.96	0.026
Non-Truck	0.897	0.016	0.932

Road Type: Freeway
Silt Loading Factor: CARB 0.015 g/m2
Precipitation Correction: CARB P = 61 days N = 365 days

Road Length: 1 miles
Volume: 21,353 vehicles per hour
Number of Hours: 24 hours

hourly	daily	
21,353	512,472	original estimate
23,188	556,500	revised estimate
1,835	44,028	delta
8.59%	8.59%	percent change from origional estimate

VMT Distribution by Speed Bin (mph):

<= 5 mph	0.36%
10 mph	1.17%
15 mph	1.31%
20 mph	2.30%
25 mph	5.81%
30 mph	20.49%
35 mph	9.16%
40 mph	7.95%
45 mph	4.90%
50 mph	6.00%
55 mph	5.27%
60 mph	15.08%
65 mph	20.04%
70 mph	0.15%
75 mph	0.02%

Summary of Emissions and Consumption

Pollutant Name	Running Exhaust (grams)	Running Loss (grams)		Tire Wear (grams)		Brake Wear (grams)	Road Dust (grams)	Total (grams)	Total (US tons)		Revised Buildout Total (grams)
PM2.5	872.3	-			1,231.00	9,230.10	5,567.50	16,900.90		0.019	18,352.91
PM10	922.6	-			4,924.30	21,537.10	37,117.30	64,501.40		0.071	70,042.91
NOx	91,395.00	-		-		-	-	91,395.00		0.101	99,247.02
CO	231,668.90	-		-		-	-	231,668.90		0.255	251,572.27
HC	10,426.10		10,074.90	-		-	-	20,501.10		0.023	22,262.41
TOG	11,402.90		10,771.40	-		-	-	22,174.30		0.024	24,079.36
ROG	7,837.10		10,771.40	-		-	-	18,608.50		0.021	20,207.21
1,3-Butadiene	55.4		0	-		-	-	55.4	< 0.001		60.16
Acetaldehyde	129.7	-		-		-	-	129.7	< 0.001		140.84
Acrolein	12	-		-		-	-	12	< 0.001		13.03
Benzene	250.4		107.7	-		-	-	358.1	< 0.001		388.87
Diesel PM	636	-		-		-	-	636	< 0.001		690.64
Ethylbenzene	104		176.6	-		-	-	280.6	< 0.001		304.71
Formaldehyde	341.2	-		-		-	-	341.2	< 0.001		370.51
Naphthalene	8.8		15.1	-		-	-	23.9	< 0.001		25.95
POM	8.8	-		-		-	-	8.8	< 0.001		9.56
DEOG	1,130.00	-		-		-	-	1,130.00		0.001	1,227.08
CO2	136,944,864.20	-		-		-	-	136,944,864.20		150.956	148,710,206.46
N2O	8,044.90	-		-		-	-	8,044.90		0.009	8,736.06
CH4	2,820.40		1,799.90	-		-	-	4,620.30		0.005	5,017.24
BC	165.5	-		-		-	-	165.5	< 0.001		179.72
HFC	-		29.7	-		-	-	29.7	< 0.001		32.25

Fuel Consumption

Fuel Type	(gallons)	
Gasoline	11,389.20	12,367.68
Diesel	3,944.83	4,283.74

END

Table 25: 2025 San Joaquin County Vehicle Criteria Pollutant and GHG Emissions

CT-EMFAC2017 Version:	1.0.2.27401
Area:	San Joaquin (SJV)
Analysis Year:	2040
Season:	Annual

Vehicle Category	VMT Fraction Across Category	Diesel VMT Fraction Within Category	Gas VMT Fraction Within Category
Truck 1	0.021	0.537	0.463
Truck 2	0.081	0.972	0.019
Non-Truck	0.898	0.014	0.938

Road Type:	Freeway		
Silt Loading Factor:	CARB	0.015 g/m2	
Precipitation Correction:	CARB	P = 55 days	N = 365 days

			hourly	daily	
Road Length:	1	miles			
Volume:	21,353	vehicles per hour	21,353	512,472	original estimate
Number of Hours:	24	hours	23,188	556,500	revised estimate
			1,835	44,028	delta
VMT Distribution by Speed Bin (mph):			8.59%	8.59%	percent change

<= 5 mph	0.24%
10 mph	0.43%
15 mph	0.77%
20 mph	1.18%
25 mph	7.24%
30 mph	9.29%
35 mph	8.71%
40 mph	9.09%
45 mph	6.06%
50 mph	6.64%
55 mph	7.07%
60 mph	19.55%
65 mph	15.83%
70 mph	7.88%
75 mph	0.02%

Summary of Emissions and Consumption

Pollutant Name	Running Exhaust (grams)	Running Loss (grams)	Tire Wear (grams)	Brake Wear (grams)	Road Dust (grams)	Total (grams)	Total (US tons)	Revised Buildout Total (grams)
PM2.5	986.5	-	1,262.70	9,136.40	5,796.10	17,181.60	0.019	18,657.72
PM10	1,041.20	-	5,050.90	21,318.80	38,640.90	66,051.90	0.073	71,726.62
NOx	87,185.80	-	-	-	-	87,185.80	0.096	94,676.19
CO	206,804.20	-	-	-	-	206,804.20	0.228	224,571.37
HC	7,691.50	8,919.80	-	-	-	16,611.30	0.018	18,038.43
TOG	8,484.30	9,536.40	-	-	-	18,020.70	0.02	19,568.91
ROG	5,966.10	9,536.40	-	-	-	15,502.50	0.017	16,834.37
1,3-Butadiene	41.3	0	-	-	-	41.3	< 0.001	44.85
Acetaldehyde	110	-	-	-	-	110	< 0.001	119.45
Acrolein	9	-	-	-	-	9	< 0.001	9.77
Benzene	189.6	95.4	-	-	-	285	< 0.001	309.49
Diesel PM	768.9	-	-	-	-	768.9	< 0.001	834.96
Ethylbenzene	77.6	156.4	-	-	-	233.9	< 0.001	254.00
Formaldehyde	281	-	-	-	-	281	< 0.001	305.14
Naphthalene	6.4	13.4	-	-	-	19.7	< 0.001	21.39
POM	7.1	-	-	-	-	7.1	< 0.001	7.71
DEOG	1,034.90	-	-	-	-	1,034.90	0.001	1,123.81
CO2	135,404,184.80	-	-	-	-	135,404,184.80	149.258	147,037,162.70
N2O	8,046.60	-	-	-	-	8,046.60	0.009	8,737.91
CH4	1,981.60	1,591.70	-	-	-	3,573.30	0.004	3,880.29
BC	180.1	-	-	-	-	180.1	< 0.001	195.57
HFC	-	25.1	-	-	-	25.1	< 0.001	27.26

Fuel Consumption

Fuel Type	(gallons)	Revised Buildout
Gasoline	11,359.94	12,335.90
Diesel	4,029.57	4,375.76

END

Table 26: 2025 Alameda County EMFAC Outputs

CT-EMFAC2017 Version:	1.0.2.27401
Area:	Alameda (SF)
Analysis Year:	2040
Season:	Annual

==========

Vehicle Category	VMT Fraction Across Category	Diesel VMT Fraction Within Category	Gas VMT Fraction Within Category
Truck 1	0.026	0.54	0.46
Truck 2	0.077	0.96	0.026
Non-Truck	0.897	0.016	0.932

==========

Road Type:	Freeway		
Silt Loading Factor:	CARB	0.015 g/m2	
Precipitation Correction:	CARB	P = 61 days	N = 365 days

==========

Fleet Average Running Exhaust Emission Factors (grams/veh-mile)

Pollutant Name	<= 5 mph	10 mph	15 mph	20 mph	25 mph	30 mph	35 mph	40 mph	45 mph	50 mph	55 mph	60 mph	65 mph	70 mph	75 mph
PM2.5	0.004219	0.002908	0.00206	0.001547	0.001251	0.001109	0.001081	0.001145	0.00129	0.001508	0.001797	0.002161	0.002603	0.002642	0.002642
PM10	0.004546	0.003126	0.00221	0.001657	0.001337	0.001182	0.001149	0.001213	0.001363	0.00159	0.001893	0.002275	0.002739	0.002781	0.002781
NOx	0.914519	0.694338	0.492415	0.392405	0.309699	0.23608	0.177375	0.13347	0.104295	0.089808	0.089991	0.104865	0.134432	0.13499	0.13499
CO	1.079403	0.899635	0.746215	0.645429	0.578199	0.525065	0.481065	0.444676	0.415024	0.391728	0.374881	0.365405	0.364794	0.369779	0.373204
HC	0.116023	0.077388	0.051595	0.036367	0.027714	0.02228	0.018738	0.016481	0.015165	0.014613	0.014761	0.015688	0.017523	0.018922	0.019189
TOG	0.129976	0.086769	0.057168	0.039826	0.030252	0.024291	0.020406	0.017932	0.016496	0.015905	0.016087	0.017133	0.01918	0.020774	0.021158
ROG	0.095345	0.062613	0.040289	0.02736	0.020468	0.016271	0.013591	0.011937	0.011038	0.01076	0.011059	0.011989	0.013673	0.015006	0.015343
1,3-Butadiene	0.000628	0.000409	0.000273	0.000192	0.000145	0.000115	0.000096	0.000085	0.000079	0.000077	0.000079	0.000086	0.000098	0.000098	0.000099
Acetaldehyde	0.00216	0.001491	0.000824	0.000464	0.000334	0.000264	0.000218	0.000188	0.000171	0.000165	0.000168	0.000185	0.000212	0.000235	0.000258
Acrolein	0.000133	0.000086	0.000059	0.000042	0.000032	0.000025	0.000021	0.000019	0.000017	0.000017	0.000017	0.000019	0.000021	0.000021	0.000021
Benzene	0.002963	0.001943	0.001269	0.000872	0.000656	0.00052	0.000435	0.000383	0.000354	0.000346	0.000355	0.000385	0.000439	0.000445	0.000451
Diesel PM	0.001005	0.000894	0.000727	0.000616	0.000567	0.00058	0.000652	0.00078	0.000963	0.001201	0.001493	0.001843	0.002246	0.002246	0.002246
Ethylbenzene	0.001178	0.000766	0.000513	0.000361	0.000273	0.000216	0.000181	0.00016	0.000148	0.000145	0.000149	0.000161	0.000184	0.000185	0.000186
Formaldehyde	0.005226	0.003568	0.002045	0.001211	0.000883	0.000699	0.000579	0.000502	0.000458	0.000444	0.000454	0.000497	0.000569	0.000614	0.00066
Naphthalene	0.000101	0.000068	0.000044	0.000031	0.000023	0.000019	0.000016	0.000014	0.000013	0.000012	0.000012	0.000013	0.000015	0.000014	0.000014
POM	0.000105	0.000069	0.000044	0.00003	0.000022	0.000018	0.000015	0.000013	0.000012	0.000012	0.000012	0.000014	0.000016	0.000016	0.000016
DEOG	0.022452	0.015783	0.008142	0.004114	0.002882	0.002277	0.001859	0.001578	0.001412	0.001346	0.001375	0.001527	0.001758	0.00206	0.002377
CO2	636.45768	520.311956	419.395525	351.478363	302.54091	267.929798	246.322966	234.992448	232.166858	236.437601	245.304446	256.640659	268.93132	270.798518	270.798518
N2O	0.036538	0.030643	0.024399	0.021044	0.018576	0.016533	0.015066	0.014025	0.013393	0.013287	0.013576	0.014288	0.015433	0.015433	0.015433
CH4	0.02263	0.016779	0.012367	0.009558	0.007731	0.006469	0.005574	0.004941	0.004503	0.00422	0.004072	0.004086	0.00426	0.004373	0.004389
BC	0.000997	0.000676	0.000475	0.000352	0.000279	0.00024	0.000225	0.000227	0.000245	0.000276	0.00032	0.000378	0.000449	0.000449	0.000449

Fleet Average Fuel Consumption (gallons/veh-mile)

Fuel Type	<= 5 mph	10 mph	15 mph	20 mph	25 mph	30 mph	35 mph	40 mph	45 mph	50 mph	55 mph	60 mph	65 mph	70 mph	75 mph
Gasoline	0.052115	0.042175	0.034502	0.028757	0.024565	0.021825	0.020224	0.01956	0.019634	0.020186	0.021035	0.021852	0.022493	0.022493	0.022493
Diesel	0.019046	0.015801	0.012309	0.010547	0.009215	0.00812	0.007326	0.006757	0.006428	0.006375	0.006563	0.006967	0.007615	0.007615	0.007615

==========

Fleet Average Running Loss Emission Factors (grams/veh-hour)

Pollutant Name	Emission Factor
HC	0.663996
TOG	0.709898
ROG	0.709898
1,3-Butadiene	0
Benzene	0.007099
Ethylbenzene	0.011642
Naphthalene	0.000994
CH4	0.118626
HFC	0.00196

==========

Fleet Average Tire Wear Factors (grams/veh-mile)

Pollutant Name	Emission Factor
PM2.5	0.002402
PM10	0.009609

==========

Fleet Average Brake Wear Factors (grams/veh-mile)

Pollutant Name	Emission Factor
PM2.5	0.018011
PM10	0.042026

==========

Fleet Average Road Dust Factors (grams/veh-mile)

Pollutant Name	Emission Factor
PM2.5	0.010864
PM10	0.072428

==========END==========

Table 27: 2025 San Joaquin County EMFAC Outputs

CT-EMFAC2017 Version: 1.0.2.27401
Area: San Joaquin (SJV)
Analysis Year: 2040
Season: Annual

==========

Vehicle Category	VMT Fraction Across Category	Diesel VMT Fraction Within Category	Gas VMT Fraction Within Category
Truck 1	0.021	0.537	0.463
Truck 2	0.081	0.972	0.019
Non-Truck	0.898	0.014	0.938

==========

Road Type: Freeway
Silt Loading Factor: CARB 0.015 g/m2
Precipitation Correction: CARB P = 55 days N = 365 days

==========

Fleet Average Running Exhaust Emission Factors (grams/veh-mile)

Pollutant Name	<= 5 mph	10 mph	15 mph	20 mph	25 mph	30 mph	35 mph	40 mph	45 mph	50 mph	55 mph	60 mph	65 mph	70 mph	75 mph
PM2.5	0.004344	0.002995	0.00212	0.001592	0.00129	0.00115	0.00113	0.001208	0.001372	0.001616	0.001937	0.002339	0.002824	0.002865	0.002865
PM10	0.00468	0.003218	0.002274	0.001705	0.001379	0.001225	0.0012	0.001279	0.00145	0.001704	0.00204	0.002461	0.00297	0.003014	0.003014
NOx	0.998334	0.757732	0.537073	0.428013	0.337595	0.256982	0.192677	0.144584	0.112646	0.096832	0.097132	0.113566	0.146136	0.146691	0.146691
CO	1.012341	0.845013	0.702988	0.61071	0.548862	0.499259	0.457603	0.42267	0.393741	0.370468	0.352863	0.341502	0.337461	0.340145	0.344001
HC	0.091564	0.060458	0.040031	0.028139	0.0215	0.017364	0.014685	0.012994	0.012032	0.011665	0.011851	0.012636	0.014135	0.015307	0.015605
TOG	0.103783	0.06864	0.044871	0.031158	0.023725	0.019129	0.016146	0.014263	0.013195	0.012796	0.013017	0.013914	0.015607	0.016965	0.017396
ROG	0.078681	0.051573	0.032984	0.022348	0.016719	0.013286	0.011084	0.00972	0.00898	0.008755	0.00901	0.009787	0.011183	0.012323	0.012702
1,3-Butadiene	0.000506	0.000328	0.000218	0.000154	0.000116	0.000092	0.000077	0.000068	0.000063	0.000061	0.000063	0.000068	0.000078	0.000085	0.000085
Acetaldehyde	0.001949	0.001333	0.000737	0.000423	0.000307	0.000244	0.000201	0.000173	0.000158	0.000153	0.000158	0.000175	0.000202	0.000232	0.000262
Acrolein	0.000106	0.000068	0.000046	0.000033	0.000025	0.00002	0.000017	0.000015	0.000014	0.000013	0.000014	0.000015	0.000017	0.000018	0.000018
Benzene	0.002427	0.001584	0.001031	0.000709	0.000531	0.000422	0.000353	0.00031	0.000287	0.00028	0.000288	0.000312	0.000356	0.00039	0.000398
Diesel PM	0.001078	0.000948	0.000766	0.000647	0.000597	0.000614	0.000695	0.000838	0.001042	0.001306	0.00163	0.002016	0.002461	0.002461	0.002461
Ethylbenzene	0.000947	0.000613	0.00041	0.000289	0.000217	0.000173	0.000145	0.000127	0.000118	0.000115	0.000119	0.000128	0.000146	0.000159	0.000161
Formaldehyde	0.004627	0.003134	0.001792	0.001072	0.000786	0.000624	0.000516	0.000447	0.000408	0.000396	0.000409	0.000451	0.000519	0.00059	0.000649
Naphthalene	0.000079	0.000053	0.000034	0.000024	0.000017	0.000014	0.000012	0.000011	0.00001	0.000009	0.00001	0.000011	0.000012	0.000012	0.000012
POM	0.000091	0.00006	0.000038	0.000025	0.000019	0.000015	0.000013	0.000011	0.00001	0.00001	0.000011	0.000012	0.000014	0.000015	0.000015
DEOG	0.021123	0.014649	0.007652	0.004047	0.002893	0.002294	0.001876	0.001598	0.001438	0.001387	0.001439	0.001612	0.001875	0.002213	0.002615
CO2	643.314753	525.833565	423.856627	355.285989	305.775516	270.621688	248.501111	236.823879	233.807324	237.980683	246.925605	258.548398	271.317938	273.188041	273.188041
N2O	0.037844	0.031607	0.025208	0.021805	0.019153	0.017037	0.015519	0.014412	0.013764	0.013609	0.013963	0.014714	0.015945	0.016033	0.016033
CH4	0.015366	0.011111	0.008279	0.006502	0.005381	0.00462	0.004088	0.003718	0.003468	0.003318	0.003258	0.003295	0.00344	0.003535	0.003552
BC	0.001022	0.000692	0.000485	0.000359	0.000286	0.000247	0.000232	0.000236	0.000257	0.000292	0.00034	0.000403	0.000481	0.00049	0.00049

Fleet Average Fuel Consumption (gallons/veh-mile)

Fuel Type	<= 5 mph	10 mph	15 mph	20 mph	25 mph	30 mph	35 mph	40 mph	45 mph	50 mph	55 mph	60 mph	65 mph	70 mph	75 mph
Gasoline	0.052725	0.042805	0.034873	0.029152	0.024885	0.022082	0.020446	0.019813	0.019884	0.020441	0.021263	0.022124	0.022763	0.022971	0.022971
Diesel	0.02006	0.016631	0.012988	0.011157	0.009743	0.008581	0.00773	0.007122	0.006772	0.006709	0.006906	0.007341	0.008039	0.008058	0.008058

==========

Fleet Average Running Loss Emission Factors (grams/veh-hour)

Pollutant Name	Emission Factor
HC	0.674708
TOG	0.72135
ROG	0.72135
1,3-Butadiene	0
Benzene	0.007214
Ethylbenzene	0.01183
Naphthalene	0.00101
CH4	0.120401
HFC	0.001896

==========

Fleet Average Tire Wear Factors (grams/veh-mile)

Pollutant Name	Emission Factor
PM2.5	0.002464
PM10	0.009856

==========

Fleet Average Brake Wear Factors (grams/veh-mile)

Pollutant Name	Emission Factor
PM2.5	0.017828
PM10	0.0416

==========

Fleet Average Road Dust Factors (grams/veh-mile)

Pollutant Name	Emission Factor
PM2.5	0.01131
PM10	0.075401

==========END==========

Table 28: Track Distances

	IOS to SF	IOS to GV	IOS to MH	Phase 1
Total Track Miles	9.66	11.71	23.97	41.81
BAAQMD Track Miles	9.66	11.71	22.68	22.68
SJVAPCD Track Miles	0.00	0.00	1.29	19.13
BAAQMD %	100%	100%	95%	54%
SJVAPCD %	0%	0%	5%	46%

	Station (Feet)	Station (Feet)	Distance (Feet)	Distance Miles
D/P Station Start	410000	410000		
South Front Station	461000	461000	51000	9.66
End of Tri-Valley	471822	471822	61822	11.71
Start Altamont	469080	469080		
County Line	527000	527000	57920	10.97
MH Station	533800	533800	6800	1.29
DM Canal	543500	543500	9700	1.84
End of Altamont	545770	545770	2270	0.43
N. Lathrop	628000	628000	82230	15.57
				41.81
Start Altamont	469080	469080		
Interim OMF	483500	483500	14420	2.73

Miles	BAAQMD	BAAQMD	SJVAPCD	TOTAL
IOS to GV	9.66	11.71		11.71
IOS to MH	119742.00	22.68	1.29	23.97
Phase 1	119742.00	22.68	19.13	41.81

	Miles	Miles
TriValley	61822.00	11.71
Altamont	76690.00	14.52
Tracy	82230.00	15.57

Overhead Contact System	
Start	469080
End	545770
Distance	76690
Miles	14.52

Table 29: Electricity Emission Factors

		g/kWh at plug (CA average)								
Year		**ROG**	**NOx**	**CO**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**
	2020	0.0054	0.0789	0.0825	0.0121	0.0062	0.1071	201.9000	0.0033	0.0013
	2025	0.0040	0.0517	0.0601	0.0083	0.0042	0.0070	111.1000	0.0020	0.0003
	2030	0.0054	0.0611	0.1078	0.0241	0.0088	0.0137	114.8000	0.0021	0.0005
	2035	0.0053	0.0593	0.1047	0.0234	0.0085	0.0132	114.1000	0.0021	0.0005
	2040	0.0052	0.0583	0.1026	0.0229	0.0083	0.0130	113.8000	0.0020	0.0004

CO2e/MWh	**390.30**	390.300	lb CO2/Mwh Current - 2025 - PGE
CO2e/kWh	0.390	0.390	lb CO2/kwh Current - 2025 - PGE
CO2e/MWh	**88.85**	88.85	lb CO2/Mwh Current - 2040 - PGE
CO2e/kwh	0.089	0.089	lbCO2/kwh Current - 2040 - PGE
CO2e/MWh	**333.40**	333.40	lb CO2/Mwh Current - 2025 - eGrid
CO2e/kwh	0.333	0.333	lb CO2/kwh Current - 2025 - egrid
CO2e/MWh	**60.62**	60.62	lb CO2/Mwh Current - 2040 -e Grid
CO2e/kwh	0.061	0.061	lbCO2/kwh Current - 2040 - egrid
T & D Losses	6.84%		
TD Factor	106.84%		2014 eGrid Version 1.0

Table 30: Operations and Maintenance Facility Emissions

Valley Link OMF Emissions Summary

	Criteria Pollutant Pounds/Day					CO2e MT/yr			
Build Condition	PM2.5	PM10	NOx	CO	ROG	PPD	G/Day	MT/Day	MT/Year
2025 Interim	0.27	0.03	1.56	2.70	1.53	1,457	660,938	0.66	204.23
2025 Buildout	0.63	0.05	3.48	6.14	2.70	3,193	1,448,484	1.45	447.58
2040 Buildout	0.62	2.20	2.78	3.59	2.44	2,651	1,202,434	1.20	371.55

Valley Link OMF - San Joaquin County, Summer

Valley Link OMF - Interim 2025

San Joaquin County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	50.00	1000sqft	5.00	50,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	51
Climate Zone	2			**Operational Year**	2025
Utility Company	Statewide Average				
CO2 Intensity (lb/MWhr)	1001.57	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Interim 2025 Analysis

Land Use - 5-acre interim OMF per Project Description

Construction Phase - Operations analysis only

Off-road Equipment - Operations analysis only

Vehicle Trips - 70 employees x 2 trips daily + 10 commercial trips = 150 daily trips

Energy Use -

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2610	5.0000e-005	5.0900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005		0.0117
Energy	0.0275	0.2503	0.2103	1.5000e-003		0.0190	0.0190		0.0190	0.0190		300.4029	300.4029	5.7600e-003	5.5100e-003	302.1881
Mobile	0.2406	1.3142	2.4830	0.0114	0.9313	7.0700e-003	0.9384	0.2489	6.6000e-003	0.2555		1,153.9024	1,153.9024	0.0407		1,154.9209
Total	**1.5291**	**1.5645**	**2.6983**	**0.0129**	**0.9313**	**0.0261**	**0.9574**	**0.2489**	**0.0257**	**0.2746**		**1,454.32**	**1,454.32**	**0.0465**	**5.51E-03**	**1,457.12**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2610	5.0000e-005	5.0900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005		0.0117
Energy	0.0275	0.2503	0.2103	1.5000e-003		0.0190	0.0190		0.0190	0.0190		300.4029	300.4029	5.7600e-003	5.5100e-003	302.1881
Mobile	0.2406	1.3142	2.4830	0.0114	0.9313	7.0700e-003	0.9384	0.2489	6.6000e-003	0.2555		1,153.9024	1,153.9024	0.0407		1,154.9209
Total	**1.5291**	**1.5645**	**2.6983**	**0.0129**	**0.9313**	**0.0261**	**0.9574**	**0.2489**	**0.0257**	**0.2746**		**1,454.3163**	**1,454.3163**	**0.0465**	**5.5100e-003**	**1,457.1206**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2406	1.3142	2.4830	0.0114	0.9313	7.0700e-003	0.9384	0.2489	6.6000e-003	0.2555		1,153.9024	1,153.9024	0.0407		1,154.9209
Unmitigated	0.2406	1.3142	2.4830	0.0114	0.9313	7.0700e-003	0.9384	0.2489	6.6000e-003	0.2555		1,153.9024	1,153.9024	0.0407		1,154.9209

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	150.00	0.00	0.00	312,805	312,805
Total	150.00	0.00	0.00	312,805	312,805

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.569469	0.033625	0.187201	0.109657	0.014512	0.004272	0.015978	0.056631	0.001184	0.001333	0.004855	0.000598	0.000684

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0275	0.2503	0.2103	1.5000e-003		0.0190	0.0190		0.0190	0.0190		300.4029	300.4029	5.7600e-003	5.5100e-003	302.1881
NaturalGas Unmitigated	0.0275	0.2503	0.2103	1.5000e-003		0.0190	0.0190		0.0190	0.0190		300.4029	300.4029	5.7600e-003	5.5100e-003	302.1881

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2553.42	0.0275	0.2503	0.2103	1.5000e-003		0.0190	0.0190		0.0190	0.0190		300.4029	300.4029	5.7600e-003	5.5100e-003	302.1881
Total		**0.0275**	**0.2503**	**0.2103**	**1.5000e-003**		**0.0190**	**0.0190**		**0.0190**	**0.0190**		**300.4029**	**300.4029**	**5.7600e-003**	**5.5100e-003**	**302.1881**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	2.55342	0.0275	0.2503	0.2103	1.5000e-003		0.0190	0.0190		0.0190	0.0190		300.4029	300.4029	5.7600e-003	5.5100e-003	302.1881
Total		**0.0275**	**0.2503**	**0.2103**	**1.5000e-003**		**0.0190**	**0.0190**		**0.0190**	**0.0190**		**300.4029**	**300.4029**	**5.7600e-003**	**5.5100e-003**	**302.1881**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2610	5.0000e-005	5.0900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005		0.0117
Unmitigated	1.2610	5.0000e-005	5.0900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005		0.0117

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1905					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0700					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.7000e-004	5.0000e-005	5.0900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005		0.0117
Total	**1.2610**	**5.0000e-005**	**5.0900e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0109**	**0.0109**	**3.0000e-005**		**0.0117**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1905					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0700					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.7000e-004	5.0000e-005	5.0900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005		0.0117
Total	**1.2610**	**5.0000e-005**	**5.0900e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0109**	**0.0109**	**3.0000e-005**		**0.0117**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Valley Link OMF - San Joaquin County, Summer

Valley Link OMF - 2025 Buildout

San Joaquin County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	83.20	1000sqft	27.00	83,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	51
Climate Zone	2			**Operational Year**	2025
Utility Company	Statewide Average				
CO2 Intensity (lb/MWhr)	1001.57	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Buildout 2025 Analysis

Land Use - 27-acre OMF per Project Description

Construction Phase - Operations analysis only

Off-road Equipment - Operations analysis only

Vehicle Trips - 170 employees x 2 trips daily + 10 commercial trips = 350 daily trips

Energy Use -

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.0982	8.0000e-005	8.4700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0182	0.0182	5.0000e-005		0.0194
Energy	0.0458	0.4166	0.3499	2.5000e-003		0.0317	0.0317		0.0317	0.0317		499.8704	499.8704	9.5800e-003	9.1600e-003	502.8409
Mobile	0.5606	3.0615	5.7843	0.0264	2.1696	0.0165	2.1861	0.5799	0.0154	0.5953		2,688.1311	2,688.1311	0.0949		2,690.5037
Total	**2.7046**	**3.4781**	**6.1427**	**0.0289**	**2.1696**	**0.0482**	**2.2178**	**0.5799**	**0.0471**	**0.627**		**3,188.02**	**3,188.02**	**0.1045**	**9.16E-03**	**3,193.36**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.0982	8.0000e-005	8.4700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0182	0.0182	5.0000e-005		0.0194
Energy	0.0458	0.4166	0.3499	2.5000e-003		0.0317	0.0317		0.0317	0.0317		499.8704	499.8704	9.5800e-003	9.1600e-003	502.8409
Mobile	0.5606	3.0615	5.7843	0.0264	2.1696	0.0165	2.1861	0.5799	0.0154	0.5953		2,688.1311	2,688.1311	0.0949		2,690.5037
Total	**2.7046**	**3.4781**	**6.1427**	**0.0289**	**2.1696**	**0.0482**	**2.2178**	**0.5799**	**0.0471**	**0.6270**		**3,188.0197**	**3,188.0197**	**0.1045**	**9.1600e-003**	**3,193.3640**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Operations Analysis Only	Building Construction	12/30/2024	12/29/2024	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Operations Analysis Only	Cranes	1	7.00	231	0.29
Operations Analysis Only	Forklifts	3	8.00	89	0.20
Operations Analysis Only	Generator Sets	1	8.00	84	0.74
Operations Analysis Only	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Operations Analysis Only	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Operations Analysis Only	9	35.00	14.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Operations Analysis Only - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5606	3.0615	5.7843	0.0264	2.1696	0.0165	2.1861	0.5799	0.0154	0.5953		2,688.1311	2,688.1311	0.0949		2,690.5037
Unmitigated	0.5606	3.0615	5.7843	0.0264	2.1696	0.0165	2.1861	0.5799	0.0154	0.5953		2,688.1311	2,688.1311	0.0949		2,690.5037

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	349.44	0.00	0.00	728,710	728,710
Total	349.44	0.00	0.00	728,710	728,710

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.569469	0.033625	0.187201	0.109657	0.014512	0.004272	0.015978	0.056631	0.001184	0.001333	0.004855	0.000598	0.000684

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0458	0.4166	0.3499	2.5000e-003		0.0317	0.0317		0.0317	0.0317		499.8704	499.8704	9.5800e-003	9.1600e-003	502.8409
NaturalGas Unmitigated	0.0458	0.4166	0.3499	2.5000e-003		0.0317	0.0317		0.0317	0.0317		499.8704	499.8704	9.5800e-003	9.1600e-003	502.8409

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	4248.9	0.0458	0.4166	0.3499	2.5000e-003		0.0317	0.0317		0.0317	0.0317		499.8704	499.8704	9.5800e-003	9.1600e-003	502.8409
Total		**0.0458**	**0.4166**	**0.3499**	**2.5000e-003**		**0.0317**	**0.0317**		**0.0317**	**0.0317**		**499.8704**	**499.8704**	**9.5800e-003**	**9.1600e-003**	**502.8409**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	4.2489	0.0458	0.4166	0.3499	2.5000e-003		0.0317	0.0317		0.0317	0.0317		499.8704	499.8704	9.5800e-003	9.1600e-003	502.8409
Total		**0.0458**	**0.4166**	**0.3499**	**2.5000e-003**		**0.0317**	**0.0317**		**0.0317**	**0.0317**		**499.8704**	**499.8704**	**9.5800e-003**	**9.1600e-003**	**502.8409**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.0982	8.0000e-005	8.4700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0182	0.0182	5.0000e-005		0.0194
Unmitigated	2.0982	8.0000e-005	8.4700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0182	0.0182	5.0000e-005		0.0194

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3170					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.7805					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.8000e-004	8.0000e-005	8.4700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0182	0.0182	5.0000e-005		0.0194
Total	**2.0982**	**8.0000e-005**	**8.4700e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**		**0.0182**	**0.0182**	**5.0000e-005**		**0.0194**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3170					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.7805					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.8000e-004	8.0000e-005	8.4700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0182	0.0182	5.0000e-005		0.0194
Total	**2.0982**	**8.0000e-005**	**8.4700e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**		**0.0182**	**0.0182**	**5.0000e-005**		**0.0194**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Valley Link OMF - San Joaquin County, Summer

Valley Link OMF - 2040 Buildout

San Joaquin County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	83.20	1000sqft	27.00	83,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	51
Climate Zone	2			**Operational Year**	2040
Utility Company	Statewide Average				
CO2 Intensity (lb/MWhr)	1001.57	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Buildout 2040 Analysis

Land Use - 27-acre OMF per Project Description

Construction Phase - Operations analysis only

Off-road Equipment - Operations analysis only

Vehicle Trips - 170 employees x 2 trips daily + 10 commercial trips = 350 daily trips

Energy Use -

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.0982	8.0000e-005	8.4400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0182	0.0182	5.0000e-005		0.0194
Energy	0.0458	0.4166	0.3499	2.5000e-003		0.0317	0.0317		0.0317	0.0317		499.8704	499.8704	9.5800e-003	9.1600e-003	502.8409
Mobile	0.2951	2.3588	3.2324	0.0210	2.1651	7.5100e-003	2.1726	0.5780	7.0100e-003	0.5850		2,146.5084	2,146.5084	0.0619		2,148.0561
Total	**2.4391**	**2.7754**	**3.5907**	**0.0235**	**2.1651**	**0.0392**	**2.2043**	**0.578**	**0.0387**	**0.6167**		**2,646.40**	**2,646.40**	**0.0715**	**9.16E-03**	**2,650.92**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.0982	8.0000e-005	8.4400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0182	0.0182	5.0000e-005		0.0194
Energy	0.0458	0.4166	0.3499	2.5000e-003		0.0317	0.0317		0.0317	0.0317		499.8704	499.8704	9.5800e-003	9.1600e-003	502.8409
Mobile	0.2951	2.3588	3.2324	0.0210	2.1651	7.5100e-003	2.1726	0.5780	7.0100e-003	0.5850		2,146.5084	2,146.5084	0.0619		2,148.0561
Total	**2.4391**	**2.7754**	**3.5907**	**0.0235**	**2.1651**	**0.0392**	**2.2043**	**0.5780**	**0.0387**	**0.6167**		**2,646.3970**	**2,646.3970**	**0.0715**	**9.1600e-003**	**2,650.9163**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2951	2.3588	3.2324	0.0210	2.1651	7.5100e-003	2.1726	0.5780	7.0100e-003	0.5850		2,146.5084	2,146.5084	0.0619		2,148.0561
Unmitigated	0.2951	2.3588	3.2324	0.0210	2.1651	7.5100e-003	2.1726	0.5780	7.0100e-003	0.5850		2,146.5084	2,146.5084	0.0619		2,148.0561

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	349.44	0.00	0.00	728,710	728,710
Total	349.44	0.00	0.00	728,710	728,710

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.588508	0.031651	0.193340	0.096686	0.008696	0.003688	0.014919	0.054718	0.001159	0.001106	0.004523	0.000536	0.000470

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0458	0.4166	0.3499	2.5000e-003		0.0317	0.0317		0.0317	0.0317		499.8704	499.8704	9.5800e-003	9.1600e-003	502.8409
NaturalGas Unmitigated	0.0458	0.4166	0.3499	2.5000e-003		0.0317	0.0317		0.0317	0.0317		499.8704	499.8704	9.5800e-003	9.1600e-003	502.8409

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	4248.9	0.0458	0.4166	0.3499	2.5000e-003		0.0317	0.0317		0.0317	0.0317		499.8704	499.8704	9.5800e-003	9.1600e-003	502.8409
Total		**0.0458**	**0.4166**	**0.3499**	**2.5000e-003**		**0.0317**	**0.0317**		**0.0317**	**0.0317**		**499.8704**	**499.8704**	**9.5800e-003**	**9.1600e-003**	**502.8409**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	4.2489	0.0458	0.4166	0.3499	2.5000e-003		0.0317	0.0317		0.0317	0.0317		499.8704	499.8704	9.5800e-003	9.1600e-003	502.8409
Total		**0.0458**	**0.4166**	**0.3499**	**2.5000e-003**		**0.0317**	**0.0317**		**0.0317**	**0.0317**		**499.8704**	**499.8704**	**9.5800e-003**	**9.1600e-003**	**502.8409**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.0982	8.0000e-005	8.4400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0182	0.0182	5.0000e-005		0.0194
Unmitigated	2.0982	8.0000e-005	8.4400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0182	0.0182	5.0000e-005		0.0194

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3170					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.7805					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.7000e-004	8.0000e-005	8.4400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0182	0.0182	5.0000e-005		0.0194
Total	**2.0982**	**8.0000e-005**	**8.4400e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**		**0.0182**	**0.0182**	**5.0000e-005**		**0.0194**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3170					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.7805					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.7000e-004	8.0000e-005	8.4400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0182	0.0182	5.0000e-005		0.0194
Total	**2.0982**	**8.0000e-005**	**8.4400e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**		**0.0182**	**0.0182**	**5.0000e-005**		**0.0194**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Operational Health Risk Assessment
AERMOD input and output files for annual DPM operation modeling runs for locomotive idling at the stations

```
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE Valley Link: Downtown Tracy Station, 2025 Annual Idling DPM
   TITLETWO Traditional Diesel
   MODELOPT CONC FASTAREA
   AVERTIME ANNUAL
   URBANOPT 4656000 Other_Bay_Area
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL Downtown_Tracy_Station_2025_Idling.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION STCK1        POINT      638794.590  4177473.850       18.980
** Source Parameters **
   SRCPARAM STCK1        0.0000647     4.520   389.100   5.10000     0.550
   URBANSRC ALL

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Scenario 1"
   EMISFACT STCK1        HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED Downtown_Tracy_Station_2025_Idling.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08.SFC
   PROFFILE ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08.PFL
   SURFDATA 99008 2004
   UAIRDATA 66666 2004
   PROFBASE 158.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   PLOTFILE ANNUAL ALL DOWNTOWN_TRACY_STATION_2025_IDLING.AD\Downtown_Tracy_Station_idling_2025_annual_DPM.PLT 31
   SUMMFILE Downtown_Tracy_Station_2025_Idling.sum
OU FINISHED

 **********************************
 *** SETUP Finishes Successfully ***
 **********************************
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

**Model Is Setup For Calculation of Average CONCentration Values.

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for   1 Source(s),
  for Total of   1 Urban Area(s):
  Urban Population =   4656000.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Full Conversion Assumed for NO2.
        6. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:
        FASTAREA - Use hybrid approach to optimize AREA sources;
                   also applies to LINE sources (formerly TOXICS option)
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 1 Source(s);   1 Source Group(s); and   334 Receptor(s)

               with: 1 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                 and: 0 VOLUME source(s)
                 and: 0 AREA type source(s)
                 and: 0 LINE source(s)
                 and: 0 OPENPIT source(s)
                 and: 0 BUOYANT LINE source(s) with   0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   158.00 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   3.5 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: Downtown_Tracy_Station_2025_Idling.err
**File for Summary of Results: Downtown_Tracy_Station_2025_Idling.sum

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
STCK1	0	0.64700E-04	638794.6	4177473.8	19.0	4.52	389.10	5.10	0.55	NO	YES	NO	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	STCK1 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	4656000.	STCK1 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = STCK1 ; SOURCE TYPE = POINT :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638029.6, 4177174.4,	20.1,	20.1,	0.0);	(638074.2, 4177197.1,	20.3,	20.3,	0.0);
(638118.7, 4177219.8,	20.1,	20.1,	0.0);	(638163.3, 4177242.5,	20.0,	20.0,	0.0);
(638207.8, 4177265.2,	20.2,	20.2,	0.0);	(638252.4, 4177287.9,	20.3,	20.3,	0.0);
(638296.9, 4177310.6,	20.2,	20.2,	0.0);	(638341.5, 4177333.3,	19.7,	19.7,	0.0);
(638386.0, 4177356.0,	19.4,	19.4,	0.0);	(638430.6, 4177378.7,	19.3,	19.3,	0.0);
(638475.1, 4177401.4,	18.9,	18.9,	0.0);	(638519.7, 4177424.1,	18.6,	18.6,	0.0);
(638564.2, 4177446.8,	18.4,	18.4,	0.0);	(638608.8, 4177469.5,	18.6,	18.6,	0.0);
(638653.3, 4177492.2,	18.6,	18.6,	0.0);	(638697.9, 4177514.9,	18.7,	18.7,	0.0);
(638742.4, 4177537.6,	18.7,	18.7,	0.0);	(638787.0, 4177560.3,	18.4,	18.4,	0.0);
(638831.5, 4177583.0,	17.9,	17.9,	0.0);	(638876.1, 4177605.7,	17.7,	17.7,	0.0);
(638920.6, 4177628.4,	17.8,	17.8,	0.0);	(638965.2, 4177651.1,	17.7,	17.7,	0.0);
(639009.7, 4177673.8,	17.7,	17.7,	0.0);	(639054.3, 4177696.4,	17.2,	17.2,	0.0);
(639098.8, 4177719.1,	17.4,	17.4,	0.0);	(637986.7, 4177358.1,	19.7,	19.7,	0.0);
(638031.2, 4177380.8,	19.5,	19.5,	0.0);	(638075.8, 4177403.5,	19.2,	19.2,	0.0);
(638120.4, 4177426.2,	19.7,	19.7,	0.0);	(638164.9, 4177448.9,	19.6,	19.6,	0.0);
(638209.5, 4177471.6,	19.2,	19.2,	0.0);	(638254.0, 4177494.3,	19.2,	19.2,	0.0);
(638298.6, 4177517.0,	19.0,	19.0,	0.0);	(638343.1, 4177539.7,	19.2,	19.2,	0.0);
(638387.7, 4177562.4,	18.6,	18.6,	0.0);	(638432.2, 4177585.1,	18.7,	18.7,	0.0);
(638476.8, 4177607.8,	18.6,	18.6,	0.0);	(638521.3, 4177630.5,	18.2,	18.2,	0.0);
(638565.9, 4177653.2,	17.8,	17.8,	0.0);	(638610.4, 4177675.9,	17.6,	17.6,	0.0);
(638655.0, 4177698.6,	17.8,	17.8,	0.0);	(638699.5, 4177721.3,	17.3,	17.3,	0.0);
(638744.1, 4177744.0,	17.2,	17.2,	0.0);	(638788.6, 4177766.7,	17.1,	17.1,	0.0);
(638833.2, 4177789.4,	17.0,	17.0,	0.0);	(638877.7, 4177812.1,	16.8,	16.8,	0.0);
(638922.2, 4177834.8,	16.7,	16.7,	0.0);	(638966.8, 4177857.5,	16.5,	16.5,	0.0);
(639011.4, 4177880.2,	16.4,	16.4,	0.0);	(638015.7, 4177306.9,	20.0,	20.0,	0.0);
(638060.3, 4177329.6,	19.8,	19.8,	0.0);	(638104.8, 4177352.3,	19.7,	19.7,	0.0);
(638149.4, 4177375.0,	19.9,	19.9,	0.0);	(638193.9, 4177397.7,	19.8,	19.8,	0.0);
(638238.5, 4177420.4,	19.6,	19.6,	0.0);	(638283.0, 4177443.1,	19.1,	19.1,	0.0);
(638327.6, 4177465.8,	19.3,	19.3,	0.0);	(638372.1, 4177488.5,	19.5,	19.5,	0.0);
(638416.7, 4177511.2,	18.8,	18.8,	0.0);	(638461.2, 4177533.9,	18.6,	18.6,	0.0);
(638505.8, 4177556.6,	18.5,	18.5,	0.0);	(638550.3, 4177579.3,	18.3,	18.3,	0.0);
(638594.9, 4177602.0,	18.1,	18.1,	0.0);	(638639.4, 4177624.7,	17.9,	17.9,	0.0);
(638684.0, 4177647.4,	17.8,	17.8,	0.0);	(638728.5, 4177670.1,	17.8,	17.8,	0.0);
(638773.1, 4177692.8,	17.3,	17.3,	0.0);	(638817.6, 4177715.5,	17.2,	17.2,	0.0);
(638862.2, 4177738.2,	17.1,	17.1,	0.0);	(638906.7, 4177760.9,	17.0,	17.0,	0.0);
(638951.3, 4177783.6,	16.9,	16.9,	0.0);	(638995.8, 4177806.3,	16.9,	16.9,	0.0);
(639040.4, 4177829.0,	16.7,	16.7,	0.0);	(639084.9, 4177851.7,	16.7,	16.7,	0.0);
(638019.2, 4177235.4,	19.8,	19.8,	0.0);	(638063.8, 4177258.1,	20.0,	20.0,	0.0);
(638108.3, 4177280.8,	20.0,	20.0,	0.0);	(638152.9, 4177303.5,	20.0,	20.0,	0.0);
(638197.4, 4177326.2,	19.9,	19.9,	0.0);	(638242.0, 4177348.9,	20.1,	20.1,	0.0);
(638286.5, 4177371.6,	19.8,	19.8,	0.0);	(638331.1, 4177394.3,	19.3,	19.3,	0.0);
(638375.6, 4177417.0,	19.3,	19.3,	0.0);	(638420.2, 4177439.7,	19.1,	19.1,	0.0);
(638464.7, 4177462.4,	18.7,	18.7,	0.0);	(638509.3, 4177485.1,	18.5,	18.5,	0.0);
(638553.8, 4177507.8,	18.7,	18.7,	0.0);	(638598.4, 4177530.5,	18.5,	18.5,	0.0);
(638642.9, 4177553.2,	18.5,	18.5,	0.0);	(638687.5, 4177575.9,	18.5,	18.5,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638732.0,	4177598.6,	18.3,	18.3,	0.0);	(638776.6,	4177621.3,	18.1,	18.1,	0.0);
(638821.1,	4177644.0,	17.4,	17.4,	0.0);	(638865.7,	4177666.7,	17.3,	17.3,	0.0);
(638910.2,	4177689.4,	17.3,	17.3,	0.0);	(638954.8,	4177712.1,	17.3,	17.3,	0.0);
(638999.3,	4177734.8,	17.2,	17.2,	0.0);	(639043.9,	4177757.5,	17.0,	17.0,	0.0);
(639088.4,	4177780.2,	17.3,	17.3,	0.0);	(639133.0,	4177802.9,	17.2,	17.2,	0.0);
(639177.5,	4177825.6,	17.0,	17.0,	0.0);	(637989.9,	4177442.9,	18.9,	18.9,	0.0);
(638034.4,	4177465.6,	19.2,	19.2,	0.0);	(638079.0,	4177488.3,	19.7,	19.7,	0.0);
(638123.5,	4177511.0,	19.6,	19.6,	0.0);	(638168.1,	4177533.8,	19.8,	19.8,	0.0);
(638212.6,	4177556.4,	19.7,	19.7,	0.0);	(638257.2,	4177579.1,	18.4,	18.4,	0.0);
(638301.7,	4177601.8,	18.3,	18.3,	0.0);	(638346.3,	4177624.5,	17.9,	17.9,	0.0);
(638390.8,	4177647.2,	18.3,	18.3,	0.0);	(638435.4,	4177669.9,	18.3,	18.3,	0.0);
(638479.9,	4177692.6,	18.3,	18.3,	0.0);	(638524.5,	4177715.3,	18.2,	18.2,	0.0);
(638569.0,	4177738.0,	18.0,	18.0,	0.0);	(638613.6,	4177760.8,	17.6,	17.6,	0.0);
(638658.1,	4177783.4,	17.5,	17.5,	0.0);	(638702.7,	4177806.1,	17.0,	17.0,	0.0);
(638747.2,	4177828.8,	17.1,	17.1,	0.0);	(638791.8,	4177851.5,	16.9,	16.9,	0.0);
(638836.3,	4177874.2,	16.7,	16.7,	0.0);	(638880.9,	4177896.9,	16.4,	16.4,	0.0);
(638925.4,	4177919.6,	16.3,	16.3,	0.0);	(638970.0,	4177942.3,	16.5,	16.5,	0.0);
(638126.0,	4176975.0,	21.8,	21.8,	0.0);	(638173.0,	4176912.0,	21.7,	21.7,	0.0);
(638223.0,	4176912.0,	21.7,	21.7,	0.0);	(638273.0,	4176912.0,	22.2,	22.2,	0.0);
(638323.0,	4176912.0,	21.9,	21.9,	0.0);	(638173.0,	4176962.0,	21.6,	21.6,	0.0);
(638223.0,	4176962.0,	21.6,	21.6,	0.0);	(638273.0,	4176962.0,	21.5,	21.5,	0.0);
(638323.0,	4176962.0,	21.4,	21.4,	0.0);	(638173.0,	4177012.0,	21.6,	21.6,	0.0);
(638223.0,	4177012.0,	21.6,	21.6,	0.0);	(638273.0,	4177012.0,	21.2,	21.2,	0.0);
(638323.0,	4177012.0,	21.1,	21.1,	0.0);	(638173.0,	4177062.0,	21.4,	21.4,	0.0);
(638223.0,	4177062.0,	21.2,	21.2,	0.0);	(638273.0,	4177062.0,	20.9,	20.9,	0.0);
(638323.0,	4177062.0,	20.8,	20.8,	0.0);	(638173.0,	4177112.0,	20.9,	20.9,	0.0);
(638223.0,	4177112.0,	21.1,	21.1,	0.0);	(638273.0,	4177112.0,	21.0,	21.0,	0.0);
(638323.0,	4177112.0,	20.7,	20.7,	0.0);	(638273.0,	4177162.0,	20.7,	20.7,	0.0);
(638323.0,	4177162.0,	20.5,	20.5,	0.0);	(638357.0,	4176916.0,	21.8,	21.8,	0.0);
(638357.0,	4176916.0,	21.8,	21.8,	0.0);	(638407.0,	4176916.0,	21.9,	21.9,	0.0);
(638557.0,	4176916.0,	21.6,	21.6,	0.0);	(638607.0,	4176916.0,	21.9,	21.9,	0.0);
(638707.0,	4176916.0,	21.4,	21.4,	0.0);	(638357.0,	4176966.0,	21.2,	21.2,	0.0);
(638407.0,	4176966.0,	21.3,	21.3,	0.0);	(638557.0,	4176966.0,	21.4,	21.4,	0.0);
(638607.0,	4176966.0,	21.7,	21.7,	0.0);	(638707.0,	4176966.0,	21.2,	21.2,	0.0);
(638357.0,	4177016.0,	21.0,	21.0,	0.0);	(638407.0,	4177016.0,	20.8,	20.8,	0.0);
(638457.0,	4177016.0,	20.9,	20.9,	0.0);	(638507.0,	4177016.0,	21.0,	21.0,	0.0);
(638557.0,	4177016.0,	21.1,	21.1,	0.0);	(638607.0,	4177016.0,	21.3,	21.3,	0.0);
(638707.0,	4177016.0,	20.8,	20.8,	0.0);	(638357.0,	4177066.0,	20.7,	20.7,	0.0);
(638407.0,	4177066.0,	20.6,	20.6,	0.0);	(638457.0,	4177066.0,	20.6,	20.6,	0.0);
(638507.0,	4177066.0,	20.9,	20.9,	0.0);	(638557.0,	4177066.0,	20.9,	20.9,	0.0);
(638607.0,	4177066.0,	20.9,	20.9,	0.0);	(638657.0,	4177066.0,	20.9,	20.9,	0.0);
(638707.0,	4177066.0,	20.6,	20.6,	0.0);	(638757.0,	4177066.0,	20.2,	20.2,	0.0);
(638807.0,	4177066.0,	20.3,	20.3,	0.0);	(638857.0,	4177066.0,	20.3,	20.3,	0.0);
(638907.0,	4177066.0,	20.5,	20.5,	0.0);	(638357.0,	4177116.0,	20.4,	20.4,	0.0);
(638407.0,	4177116.0,	20.4,	20.4,	0.0);	(638457.0,	4177116.0,	20.4,	20.4,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638507.0,	4177116.0,	20.6,	20.6,	0.0);	(638557.0,	4177116.0,	20.7,	20.7,	0.0);
(638607.0,	4177116.0,	20.6,	20.6,	0.0);	(638657.0,	4177116.0,	20.4,	20.4,	0.0);
(638707.0,	4177116.0,	20.1,	20.1,	0.0);	(638757.0,	4177116.0,	20.1,	20.1,	0.0);
(638807.0,	4177116.0,	19.9,	19.9,	0.0);	(638857.0,	4177116.0,	20.1,	20.1,	0.0);
(638907.0,	4177116.0,	20.3,	20.3,	0.0);	(638357.0,	4177166.0,	20.4,	20.4,	0.0);
(638407.0,	4177166.0,	20.2,	20.2,	0.0);	(638457.0,	4177166.0,	20.2,	20.2,	0.0);
(638507.0,	4177166.0,	20.6,	20.6,	0.0);	(638557.0,	4177166.0,	20.5,	20.5,	0.0);
(638607.0,	4177166.0,	20.5,	20.5,	0.0);	(638657.0,	4177166.0,	20.3,	20.3,	0.0);
(638707.0,	4177166.0,	20.1,	20.1,	0.0);	(638757.0,	4177166.0,	19.9,	19.9,	0.0);
(638807.0,	4177166.0,	19.7,	19.7,	0.0);	(638857.0,	4177166.0,	19.9,	19.9,	0.0);
(638907.0,	4177166.0,	20.0,	20.0,	0.0);	(638357.0,	4177216.0,	20.4,	20.4,	0.0);
(638407.0,	4177216.0,	20.3,	20.3,	0.0);	(638457.0,	4177216.0,	20.1,	20.1,	0.0);
(638507.0,	4177216.0,	20.2,	20.2,	0.0);	(638557.0,	4177216.0,	20.2,	20.2,	0.0);
(638607.0,	4177216.0,	20.4,	20.4,	0.0);	(638657.0,	4177216.0,	20.2,	20.2,	0.0);
(638707.0,	4177216.0,	19.9,	19.9,	0.0);	(638757.0,	4177216.0,	19.8,	19.8,	0.0);
(638807.0,	4177216.0,	19.8,	19.8,	0.0);	(638857.0,	4177216.0,	19.6,	19.6,	0.0);
(638907.0,	4177216.0,	19.7,	19.7,	0.0);	(638457.0,	4177266.0,	20.0,	20.0,	0.0);
(638507.0,	4177266.0,	20.0,	20.0,	0.0);	(638557.0,	4177266.0,	20.2,	20.2,	0.0);
(638607.0,	4177266.0,	20.2,	20.2,	0.0);	(638657.0,	4177266.0,	19.9,	19.9,	0.0);
(638707.0,	4177266.0,	19.6,	19.6,	0.0);	(638757.0,	4177266.0,	19.4,	19.4,	0.0);
(638807.0,	4177266.0,	19.5,	19.5,	0.0);	(638857.0,	4177266.0,	19.5,	19.5,	0.0);
(638557.0,	4177316.0,	19.7,	19.7,	0.0);	(639133.0,	4177457.0,	19.2,	19.2,	0.0);
(639132.0,	4177413.0,	19.3,	19.3,	0.0);	(639130.0,	4177375.0,	19.3,	19.3,	0.0);
(639128.0,	4177332.0,	19.5,	19.5,	0.0);	(639140.1,	4177300.4,	19.8,	19.8,	0.0);
(639177.6,	4177479.7,	19.0,	19.0,	0.0);	(639222.1,	4177502.4,	18.9,	18.9,	0.0);
(639266.7,	4177525.1,	18.7,	18.7,	0.0);	(639311.2,	4177547.8,	18.5,	18.5,	0.0);
(639355.8,	4177570.5,	18.4,	18.4,	0.0);	(639400.3,	4177593.2,	18.4,	18.4,	0.0);
(639444.9,	4177615.9,	18.4,	18.4,	0.0);	(639176.6,	4177435.7,	18.9,	18.9,	0.0);
(639221.1,	4177458.4,	18.6,	18.6,	0.0);	(639265.7,	4177481.1,	18.7,	18.7,	0.0);
(639310.2,	4177503.8,	18.5,	18.5,	0.0);	(639354.8,	4177526.5,	18.4,	18.4,	0.0);
(639399.3,	4177549.2,	17.7,	17.7,	0.0);	(639443.9,	4177571.9,	18.2,	18.2,	0.0);
(639488.4,	4177594.6,	17.9,	17.9,	0.0);	(639174.6,	4177397.7,	19.2,	19.2,	0.0);
(639219.1,	4177420.4,	18.6,	18.6,	0.0);	(639263.7,	4177443.1,	18.8,	18.8,	0.0);
(639308.2,	4177465.8,	18.7,	18.7,	0.0);	(639352.8,	4177488.5,	18.2,	18.2,	0.0);
(639397.3,	4177511.2,	18.2,	18.2,	0.0);	(639441.9,	4177533.9,	18.3,	18.3,	0.0);
(639486.4,	4177556.6,	18.3,	18.3,	0.0);	(639172.6,	4177354.7,	19.1,	19.1,	0.0);
(639217.1,	4177377.4,	19.1,	19.1,	0.0);	(639261.7,	4177400.1,	19.0,	19.0,	0.0);
(639306.2,	4177422.8,	18.5,	18.5,	0.0);	(639350.8,	4177445.5,	18.0,	18.0,	0.0);
(639395.3,	4177468.2,	18.3,	18.3,	0.0);	(639439.9,	4177490.9,	18.1,	18.1,	0.0);
(639484.4,	4177513.6,	17.6,	17.6,	0.0);	(639184.7,	4177323.1,	19.6,	19.6,	0.0);
(639229.2,	4177345.8,	18.8,	18.8,	0.0);	(639273.8,	4177368.5,	18.7,	18.7,	0.0);
(639318.3,	4177391.2,	19.0,	19.0,	0.0);	(639362.9,	4177413.9,	18.4,	18.4,	0.0);
(639407.4,	4177436.6,	18.4,	18.4,	0.0);	(639452.0,	4177459.3,	18.0,	18.0,	0.0);
(639496.5,	4177482.0,	18.4,	18.4,	0.0);	(643024.0,	4179439.0,	10.0,	10.0,	0.0);
(643141.0,	4179491.0,	9.8,	9.8,	0.0);	(643228.0,	4179455.0,	9.6,	9.6,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(643205.0,	4179517.0,	9.6,	9.6,	0.0);	(643271.0,	4179570.0,	9.1,	9.1,	0.0);
(643279.0,	4179643.0,	8.4,	8.4,	0.0);	(643343.0,	4179679.0,	8.4,	8.4,	0.0);
(643365.0,	4179689.0,	8.1,	8.1,	0.0);	(643324.0,	4179605.0,	8.3,	8.3,	0.0);
(643265.9,	4179527.1,	9.4,	9.4,	0.0);	(643583.0,	4179780.0,	7.1,	7.1,	0.0);
(643231.0,	4179762.0,	8.3,	8.3,	0.0);	(643228.0,	4179817.0,	7.8,	7.8,	0.0);
(643140.0,	4179814.0,	8.2,	8.2,	0.0);	(643354.0,	4179819.0,	7.7,	7.7,	0.0);
(642874.0,	4179802.0,	8.8,	8.8,	0.0);	(643359.0,	4179624.0,	8.2,	8.2,	0.0);
(643386.0,	4179638.0,	8.1,	8.1,	0.0);	(643407.0,	4179598.0,	8.2,	8.2,	0.0);
(643430.0,	4179529.0,	8.9,	8.9,	0.0);	(643426.0,	4179722.0,	8.1,	8.1,	0.0);
(643472.0,	4179745.0,	7.7,	7.7,	0.0);	(643432.0,	4179669.0,	7.9,	7.9,	0.0);
(643484.0,	4179692.0,	7.7,	7.7,	0.0);	(643472.0,	4179637.0,	7.7,	7.7,	0.0);
(642871.0,	4179938.0,	8.4,	8.4,	0.0);	(643366.0,	4180043.0,	8.1,	8.1,	0.0);
(643463.0,	4180039.0,	8.2,	8.2,	0.0);	(643364.0,	4179892.0,	7.4,	7.4,	0.0);
(643026.0,	4179884.0,	8.6,	8.6,	0.0);	(642910.0,	4179882.0,	9.2,	9.2,	0.0);
(638753.0,	4177367.0,	19.2,	19.2,	0.0);	(638775.0,	4177366.0,	19.2,	19.2,	0.0);
(638787.0,	4177366.0,	19.1,	19.1,	0.0);	(638802.0,	4177355.0,	19.2,	19.2,	0.0);
(638814.0,	4177355.0,	19.3,	19.3,	0.0);	(638829.0,	4177355.0,	19.3,	19.3,	0.0);
(638748.0,	4177323.0,	19.2,	19.2,	0.0);	(638763.0,	4177323.0,	19.2,	19.2,	0.0);
(638775.0,	4177317.0,	19.1,	19.1,	0.0);	(638760.0,	4177308.0,	19.4,	19.4,	0.0);
(638750.0,	4177301.0,	19.4,	19.4,	0.0);	(638774.0,	4177305.0,	19.3,	19.3,	0.0);
(638786.0,	4177300.0,	19.2,	19.2,	0.0);	(638800.0,	4177320.0,	19.1,	19.1,	0.0);
(638800.0,	4177301.0,	19.3,	19.3,	0.0);	(638815.0,	4177310.0,	19.3,	19.3,	0.0);
(638831.0,	4177311.0,	19.4,	19.4,	0.0);	(638863.0,	4177280.0,	19.4,	19.4,	0.0);
(638771.0,	4177341.0,	19.3,	19.3,	0.0);	(638788.0,	4177342.0,	19.2,	19.2,	0.0);
(638802.0,	4177336.0,	19.2,	19.2,	0.0);	(638827.0,	4177331.0,	19.3,	19.3,	0.0);
(638843.0,	4177341.0,	19.2,	19.2,	0.0);	(638709.0,	4177362.0,	19.2,	19.2,	0.0);
(638708.0,	4177341.0,	19.2,	19.2,	0.0);	(638677.0,	4177358.0,	19.3,	19.3,	0.0);
(638680.0,	4177336.0,	19.2,	19.2,	0.0);	(638659.0,	4177350.0,	19.2,	19.2,	0.0);
(638664.0,	4177333.0,	19.3,	19.3,	0.0);	(638641.0,	4177342.0,	19.5,	19.5,	0.0);
(638700.0,	4177299.0,	19.4,	19.4,	0.0);	(638712.0,	4177306.0,	19.3,	19.3,	0.0);
(638684.0,	4177316.0,	19.2,	19.2,	0.0);	(638675.0,	4177297.0,	19.6,	19.6,	0.0);
(638651.0,	4177304.0,	19.8,	19.8,	0.0);	(638659.0,	4177290.0,	19.9,	19.9,	0.0);

```
                                           *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                              (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1

               NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.


                                 *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                                           (METERS/SEC)

                                                1.54,   3.09,   5.14,   8.23,  10.80,
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08 Met Version: 16216
Profile file: ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08
Surface format: FREE
Profile format: FREE
Surface station no.: 99008 Upper air station no.: 66666
Name: UNKNOWN Name: UNKNOWN
Year: 2004 Year: 2004

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
04	01	01	1	01	-27.4	0.258	-9.000	-9.000	-999.	315.	55.9	0.09	0.77	1.00	4.10	151.	14.0	282.0	2.0
04	01	01	1	02	-33.4	0.328	-9.000	-9.000	-999.	450.	93.2	0.11	0.77	1.00	4.60	148.	14.0	282.0	2.0
04	01	01	1	03	-42.0	0.432	-9.000	-9.000	-999.	682.	170.4	0.11	0.77	1.00	5.70	144.	14.0	281.8	2.0
04	01	01	1	04	-40.3	0.482	-9.000	-9.000	-999.	801.	245.0	0.11	0.77	1.00	6.20	143.	14.0	281.6	2.0
04	01	01	1	05	-29.6	0.534	-9.000	-9.000	-999.	935.	454.9	0.11	0.77	1.00	6.70	143.	14.0	281.5	2.0
04	01	01	1	06	-32.0	0.576	-9.000	-9.000	-999.	1049.	529.7	0.11	0.77	1.00	7.20	142.	14.0	281.4	2.0
04	01	01	1	07	-34.4	0.619	-9.000	-9.000	-999.	1166.	609.6	0.11	0.77	1.00	7.70	135.	14.0	281.2	2.0
04	01	01	1	08	-36.6	0.661	-9.000	-9.000	-999.	1287.	697.1	0.11	0.77	0.73	8.20	143.	14.0	281.2	2.0
04	01	01	1	09	7.0	0.717	0.238	0.005	68.	1454.	-4692.4	0.11	0.77	0.39	8.70	137.	14.0	281.5	2.0
04	01	01	1	10	43.3	0.655	0.675	0.005	251.	1280.	-574.5	0.09	0.77	0.27	8.20	151.	14.0	282.1	2.0
04	01	01	1	11	70.4	0.549	0.930	0.005	405.	989.	-207.5	0.09	0.77	0.23	6.70	164.	14.0	283.1	2.0
04	01	01	1	12	90.7	0.480	1.217	0.005	703.	804.	-107.8	0.09	0.77	0.21	5.70	166.	14.0	284.1	2.0
04	01	01	1	13	92.9	0.395	1.327	0.005	891.	602.	-58.8	0.08	0.77	0.21	4.60	183.	14.0	284.9	2.0
04	01	01	1	14	81.1	0.321	1.332	0.005	1031.	440.	-36.0	0.08	0.77	0.22	3.60	189.	14.0	285.2	2.0
04	01	01	1	15	47.5	0.160	1.139	0.005	1104.	174.	-7.6	0.08	0.77	0.26	1.50	192.	14.0	284.5	2.0
04	01	01	1	16	19.1	0.076	0.847	0.005	1130.	56.	-2.0	0.12	0.77	0.34	0.50	54.	14.0	283.5	2.0
04	01	01	1	17	-2.6	0.061	-9.000	-9.000	-999.	36.	7.7	0.10	0.77	0.59	1.50	341.	14.0	283.1	2.0
04	01	01	1	18	-3.0	0.061	-9.000	-9.000	-999.	37.	6.9	0.11	0.77	1.00	1.50	307.	14.0	282.2	2.0
04	01	01	1	19	-9.1	0.106	-9.000	-9.000	-999.	83.	11.5	0.10	0.77	1.00	2.60	284.	14.0	281.2	2.0
04	01	01	1	20	-22.1	0.207	-9.000	-9.000	-999.	226.	35.6	0.10	0.77	1.00	3.60	267.	14.0	280.4	2.0
04	01	01	1	21	-28.4	0.265	-9.000	-9.000	-999.	327.	58.1	0.10	0.77	1.00	4.10	260.	14.0	279.8	2.0
04	01	01	1	22	-33.8	0.315	-9.000	-9.000	-999.	424.	82.1	0.10	0.77	1.00	4.60	262.	14.0	279.4	2.0
04	01	01	1	23	-33.9	0.315	-9.000	-9.000	-999.	424.	82.0	0.10	0.77	1.00	4.60	250.	14.0	279.2	2.0
04	01	01	1	24	-28.5	0.264	-9.000	-9.000	-999.	327.	57.9	0.10	0.77	1.00	4.10	240.	14.0	279.0	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
04	01	01	01	14.0	1	151.	4.10	282.1	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
638029.62	4177174.37	0.00001	638074.17	4177197.07	0.00001
638118.72	4177219.76	0.00002	638163.27	4177242.46	0.00002
638207.82	4177265.16	0.00002	638252.38	4177287.86	0.00002
638296.93	4177310.56	0.00003	638341.48	4177333.26	0.00003
638386.03	4177355.96	0.00004	638430.58	4177378.66	0.00005
638475.13	4177401.36	0.00006	638519.68	4177424.06	0.00008
638564.23	4177446.76	0.00011	638608.78	4177469.46	0.00015
638653.33	4177492.16	0.00024	638697.88	4177514.86	0.00045
638742.43	4177537.56	0.00073	638786.98	4177560.26	0.00042
638831.53	4177582.96	0.00024	638876.08	4177605.66	0.00016
638920.63	4177628.36	0.00013	638965.18	4177651.06	0.00011
639009.73	4177673.76	0.00010	639054.28	4177696.45	0.00009
639098.83	4177719.15	0.00008	637986.69	4177358.11	0.00001
638031.24	4177380.81	0.00002	638075.80	4177403.51	0.00002
638120.35	4177426.21	0.00002	638164.90	4177448.91	0.00002
638209.45	4177471.61	0.00003	638254.00	4177494.31	0.00003
638298.55	4177517.01	0.00003	638343.10	4177539.71	0.00004
638387.65	4177562.41	0.00005	638432.20	4177585.11	0.00006
638476.75	4177607.81	0.00008	638521.30	4177630.51	0.00010
638565.85	4177653.21	0.00013	638610.40	4177675.91	0.00015
638654.95	4177698.61	0.00016	638699.50	4177721.31	0.00014
638744.05	4177744.01	0.00012	638788.60	4177766.71	0.00010
638833.15	4177789.41	0.00008	638877.70	4177812.10	0.00007
638922.25	4177834.80	0.00006	638966.80	4177857.50	0.00005
639011.35	4177880.20	0.00005	638015.73	4177306.93	0.00001
638060.28	4177329.63	0.00002	638104.83	4177352.33	0.00002
638149.39	4177375.03	0.00002	638193.94	4177397.73	0.00002
638238.49	4177420.43	0.00003	638283.04	4177443.13	0.00003
638327.59	4177465.83	0.00004	638372.14	4177488.53	0.00004
638416.69	4177511.23	0.00005	638461.24	4177533.93	0.00007
638505.79	4177556.63	0.00009	638550.34	4177579.33	0.00012
638594.89	4177602.03	0.00016	638639.44	4177624.73	0.00021
638683.99	4177647.43	0.00022	638728.54	4177670.13	0.00019
638773.09	4177692.83	0.00014	638817.64	4177715.53	0.00011
638862.19	4177738.23	0.00009	638906.74	4177760.93	0.00008
638951.29	4177783.62	0.00007	638995.84	4177806.32	0.00006
639040.39	4177829.02	0.00005	639084.94	4177851.72	0.00005
638019.20	4177235.43	0.00001	638063.75	4177258.13	0.00001
638108.30	4177280.82	0.00002	638152.85	4177303.52	0.00002
638197.40	4177326.22	0.00002	638241.96	4177348.92	0.00002

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
638286.51	4177371.62	0.00003	638331.06	4177394.32	0.00003
638375.61	4177417.02	0.00004	638420.16	4177439.72	0.00005
638464.71	4177462.42	0.00006	638509.26	4177485.12	0.00008
638553.81	4177507.82	0.00011	638598.36	4177530.52	0.00016
638642.91	4177553.22	0.00024	638687.46	4177575.92	0.00035
638732.01	4177598.62	0.00033	638776.56	4177621.32	0.00022
638821.11	4177644.02	0.00015	638865.66	4177666.72	0.00012
638910.21	4177689.42	0.00010	638954.76	4177712.12	0.00008
638999.31	4177734.82	0.00007	639043.86	4177757.51	0.00006
639088.41	4177780.21	0.00006	639132.96	4177802.91	0.00005
639177.51	4177825.61	0.00005	637989.88	4177442.95	0.00001
638034.44	4177465.65	0.00002	638078.99	4177488.35	0.00002
638123.54	4177511.05	0.00002	638168.09	4177533.75	0.00002
638212.64	4177556.45	0.00003	638257.19	4177579.15	0.00003
638301.74	4177601.85	0.00004	638346.29	4177624.55	0.00004
638390.84	4177647.25	0.00005	638435.39	4177669.95	0.00007
638479.94	4177692.65	0.00008	638524.49	4177715.35	0.00010
638569.04	4177738.05	0.00011	638613.59	4177760.75	0.00012
638658.14	4177783.45	0.00011	638702.69	4177806.15	0.00010
638747.24	4177828.85	0.00009	638791.79	4177851.55	0.00007
638836.34	4177874.24	0.00006	638880.89	4177896.94	0.00006
638925.44	4177919.64	0.00005	638969.99	4177942.34	0.00004
638126.00	4176975.00	0.00001	638173.00	4176912.00	0.00001
638223.00	4176912.00	0.00001	638273.00	4176912.00	0.00001
638323.00	4176912.00	0.00001	638173.00	4176962.00	0.00001
638223.00	4176962.00	0.00001	638273.00	4176962.00	0.00001
638323.00	4176962.00	0.00002	638173.00	4177012.00	0.00001
638223.00	4177012.00	0.00001	638273.00	4177012.00	0.00002
638323.00	4177012.00	0.00002	638173.00	4177062.00	0.00001
638223.00	4177062.00	0.00001	638273.00	4177062.00	0.00002
638323.00	4177062.00	0.00002	638173.00	4177112.00	0.00001
638223.00	4177112.00	0.00002	638273.00	4177112.00	0.00002
638323.00	4177112.00	0.00002	638273.00	4177162.00	0.00002
638323.00	4177162.00	0.00002	638357.00	4176916.00	0.00001
638357.00	4176916.00	0.00001	638407.00	4176916.00	0.00002
638557.00	4176916.00	0.00002	638607.00	4176916.00	0.00002
638707.00	4176916.00	0.00003	638357.00	4176966.00	0.00002
638407.00	4176966.00	0.00002	638557.00	4176966.00	0.00002
638607.00	4176966.00	0.00003	638707.00	4176966.00	0.00003
638357.00	4177016.00	0.00002	638407.00	4177016.00	0.00002

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
638457.00	4177016.00	0.00002	638507.00	4177016.00	0.00002
638557.00	4177016.00	0.00003	638607.00	4177016.00	0.00003
638707.00	4177016.00	0.00004	638357.00	4177066.00	0.00002
638407.00	4177066.00	0.00002	638457.00	4177066.00	0.00003
638507.00	4177066.00	0.00003	638557.00	4177066.00	0.00003
638607.00	4177066.00	0.00003	638657.00	4177066.00	0.00004
638707.00	4177066.00	0.00004	638757.00	4177066.00	0.00005
638807.00	4177066.00	0.00006	638857.00	4177066.00	0.00007
638907.00	4177066.00	0.00008	638357.00	4177116.00	0.00002
638407.00	4177116.00	0.00003	638457.00	4177116.00	0.00003
638507.00	4177116.00	0.00003	638557.00	4177116.00	0.00004
638607.00	4177116.00	0.00004	638657.00	4177116.00	0.00005
638707.00	4177116.00	0.00005	638757.00	4177116.00	0.00006
638807.00	4177116.00	0.00007	638857.00	4177116.00	0.00009
638907.00	4177116.00	0.00010	638357.00	4177166.00	0.00002
638407.00	4177166.00	0.00003	638457.00	4177166.00	0.00003
638507.00	4177166.00	0.00004	638557.00	4177166.00	0.00004
638607.00	4177166.00	0.00005	638657.00	4177166.00	0.00006
638707.00	4177166.00	0.00007	638757.00	4177166.00	0.00008
638807.00	4177166.00	0.00010	638857.00	4177166.00	0.00012
638907.00	4177166.00	0.00014	638357.00	4177216.00	0.00003
638407.00	4177216.00	0.00003	638457.00	4177216.00	0.00004
638507.00	4177216.00	0.00004	638557.00	4177216.00	0.00005
638607.00	4177216.00	0.00006	638657.00	4177216.00	0.00007
638707.00	4177216.00	0.00009	638757.00	4177216.00	0.00011
638807.00	4177216.00	0.00013	638857.00	4177216.00	0.00017
638907.00	4177216.00	0.00021	638457.00	4177266.00	0.00004
638507.00	4177266.00	0.00005	638557.00	4177266.00	0.00006
638607.00	4177266.00	0.00007	638657.00	4177266.00	0.00009
638707.00	4177266.00	0.00012	638757.00	4177266.00	0.00015
638807.00	4177266.00	0.00020	638857.00	4177266.00	0.00027
638557.00	4177316.00	0.00007	639133.00	4177457.00	0.00031
639132.00	4177413.00	0.00031	639130.00	4177375.00	0.00029
639128.00	4177332.00	0.00026	639140.12	4177300.40	0.00023
639177.55	4177479.70	0.00025	639222.10	4177502.40	0.00020
639266.65	4177525.10	0.00017	639311.20	4177547.80	0.00014
639355.75	4177570.50	0.00012	639400.30	4177593.20	0.00010
639444.85	4177615.90	0.00009	639176.55	4177435.70	0.00026
639221.10	4177458.40	0.00022	639265.65	4177481.10	0.00018
639310.20	4177503.80	0.00015	639354.75	4177526.50	0.00013

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
639399.30	4177549.20	0.00011	639443.85	4177571.90	0.00010
639488.40	4177594.60	0.00009	639174.55	4177397.70	0.00026
639219.10	4177420.40	0.00022	639263.65	4177443.10	0.00019
639308.20	4177465.80	0.00016	639352.75	4177488.50	0.00014
639397.30	4177511.20	0.00012	639441.85	4177533.90	0.00011
639486.40	4177556.60	0.00009	639172.55	4177354.70	0.00024
639217.10	4177377.40	0.00022	639261.65	4177400.10	0.00019
639306.20	4177422.80	0.00017	639350.75	4177445.50	0.00015
639395.30	4177468.20	0.00013	639439.85	4177490.90	0.00011
639484.40	4177513.60	0.00010	639184.67	4177323.10	0.00021
639229.22	4177345.80	0.00020	639273.77	4177368.50	0.00018
639318.32	4177391.20	0.00016	639362.87	4177413.90	0.00014
639407.42	4177436.60	0.00013	639451.97	4177459.30	0.00011
639496.52	4177482.00	0.00010	643024.00	4179439.00	0.00000
643141.00	4179491.00	0.00000	643228.00	4179455.00	0.00000
643205.00	4179517.00	0.00000	643271.00	4179570.00	0.00000
643279.00	4179643.00	0.00000	643343.00	4179679.00	0.00000
643365.00	4179689.00	0.00000	643324.00	4179605.00	0.00000
643265.94	4179527.10	0.00000	643583.00	4179780.00	0.00000
643231.00	4179762.00	0.00000	643228.00	4179817.00	0.00000
643140.00	4179814.00	0.00000	643354.00	4179819.00	0.00000
642874.00	4179802.00	0.00000	643359.00	4179624.00	0.00000
643386.00	4179638.00	0.00000	643407.00	4179598.00	0.00000
643430.00	4179529.00	0.00000	643426.00	4179722.00	0.00000
643472.00	4179745.00	0.00000	643432.00	4179669.00	0.00000
643484.00	4179692.00	0.00000	643472.00	4179637.00	0.00000
642871.00	4179938.00	0.00000	643366.00	4180043.00	0.00000
643463.00	4180039.00	0.00000	643364.00	4179892.00	0.00000
643026.00	4179884.00	0.00000	642910.00	4179882.00	0.00000
638753.00	4177367.00	0.00033	638775.00	4177366.00	0.00041
638787.00	4177366.00	0.00047	638802.00	4177355.00	0.00049
638814.00	4177355.00	0.00057	638829.00	4177355.00	0.00066
638748.00	4177323.00	0.00021	638763.00	4177323.00	0.00024
638775.00	4177317.00	0.00025	638760.00	4177308.00	0.00020
638750.00	4177301.00	0.00018	638774.00	4177305.00	0.00022
638786.00	4177300.00	0.00023	638800.00	4177320.00	0.00031
638800.00	4177301.00	0.00026	638815.00	4177310.00	0.00032
638831.00	4177311.00	0.00037	638863.00	4177280.00	0.00032
638771.00	4177341.00	0.00030	638788.00	4177342.00	0.00036
638802.00	4177336.00	0.00038	638827.00	4177331.00	0.00046

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
638843.00	4177341.00	0.00060	638709.00	4177362.00	0.00022
638708.00	4177341.00	0.00019	638677.00	4177358.00	0.00017
638680.00	4177336.00	0.00015	638659.00	4177350.00	0.00015
638664.00	4177333.00	0.00014	638641.00	4177342.00	0.00012
638700.00	4177299.00	0.00014	638712.00	4177306.00	0.00015
638684.00	4177316.00	0.00014	638675.00	4177297.00	0.00012
638651.00	4177304.00	0.00011	638659.00	4177290.00	0.00010

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00073 AT	(638742.43, 4177537.56, 18.67, 18.67, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00066 AT	(638829.00, 4177355.00, 19.26, 19.26, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00060 AT	(638843.00, 4177341.00, 19.18, 19.18, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00057 AT	(638814.00, 4177355.00, 19.32, 19.32, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00049 AT	(638802.00, 4177355.00, 19.20, 19.20, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00047 AT	(638787.00, 4177366.00, 19.14, 19.14, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00046 AT	(638827.00, 4177331.00, 19.26, 19.26, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00045 AT	(638697.88, 4177514.86, 18.73, 18.73, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00042 AT	(638786.98, 4177560.26, 18.35, 18.35, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00041 AT	(638775.00, 4177366.00, 19.22, 19.22, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   0 Warning Message(s)
A Total of   375 Informational Message(s)

A Total of   43848 Hours Were Processed

A Total of   375 Calm Hours Identified

A Total of   0 Missing Hours Identified (0.00 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
              *** NONE ***

   ****
   *** AERMOD Finishes Successfully ***
   ****

```
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE Valley Link: Downtown Tracy Station, 2040 Annual Idling DPM
   TITLETWO Traditional Diesel
   MODELOPT CONC FASTAREA
   AVERTIME ANNUAL
   URBANOPT 4656000 Other_Bay_Area
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL Downtown_Tracy_Station_2040_Idling.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION STCK1        POINT      638794.590  4177473.850       18.980
** Source Parameters **
   SRCPARAM STCK1        0.0000753     4.520   389.100   5.10000     0.550
   URBANSRC ALL

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Scenario 1"
   EMISFACT STCK1        HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED Downtown_Tracy_Station_2040_Idling.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08.SFC
   PROFFILE ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08.PFL
   SURFDATA 99008 2004
   UAIRDATA 66666 2004
   PROFBASE 158.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   PLOTFILE ANNUAL ALL DOWNTOWN_TRACY_STATION_2040_IDLING.AD\Downtown_Tracy_Station_idling_2040_annual_DPM.PLT 31
   SUMMFILE Downtown_Tracy_Station_2040_Idling.sum
OU FINISHED

 **********************************
 *** SETUP Finishes Successfully ***
 **********************************
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

**Model Is Setup For Calculation of Average CONCentration Values.

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for   1 Source(s),
  for Total of   1 Urban Area(s):
  Urban Population =   4656000.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Full Conversion Assumed for NO2.
        6. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:
        FASTAREA - Use hybrid approach to optimize AREA sources;
                   also applies to LINE sources (formerly TOXICS option)
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 1 Source(s);   1 Source Group(s); and   334 Receptor(s)

               with: 1 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                 and: 0 VOLUME source(s)
                 and: 0 AREA type source(s)
                 and: 0 LINE source(s)
                 and: 0 OPENPIT source(s)
                 and: 0 BUOYANT LINE source(s) with   0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   158.00 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   3.5 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: Downtown_Tracy_Station_2040_Idling.err
**File for Summary of Results: Downtown_Tracy_Station_2040_Idling.sum

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
STCK1	0	0.75300E-04	638794.6	4177473.8	19.0	4.52	389.10	5.10	0.55	NO	YES	NO	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	STCK1 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	4656000.	STCK1 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = STCK1 ; SOURCE TYPE = POINT :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638029.6, 4177174.4,	20.1,	20.1,	0.0);	(638074.2, 4177197.1,	20.3,	20.3,	0.0);
(638118.7, 4177219.8,	20.1,	20.1,	0.0);	(638163.3, 4177242.5,	20.0,	20.0,	0.0);
(638207.8, 4177265.2,	20.2,	20.2,	0.0);	(638252.4, 4177287.9,	20.3,	20.3,	0.0);
(638296.9, 4177310.6,	20.2,	20.2,	0.0);	(638341.5, 4177333.3,	19.7,	19.7,	0.0);
(638386.0, 4177356.0,	19.4,	19.4,	0.0);	(638430.6, 4177378.7,	19.3,	19.3,	0.0);
(638475.1, 4177401.4,	18.9,	18.9,	0.0);	(638519.7, 4177424.1,	18.6,	18.6,	0.0);
(638564.2, 4177446.8,	18.4,	18.4,	0.0);	(638608.8, 4177469.5,	18.6,	18.6,	0.0);
(638653.3, 4177492.2,	18.6,	18.6,	0.0);	(638697.9, 4177514.9,	18.7,	18.7,	0.0);
(638742.4, 4177537.6,	18.7,	18.7,	0.0);	(638787.0, 4177560.3,	18.4,	18.4,	0.0);
(638831.5, 4177583.0,	17.9,	17.9,	0.0);	(638876.1, 4177605.7,	17.7,	17.7,	0.0);
(638920.6, 4177628.4,	17.8,	17.8,	0.0);	(638965.2, 4177651.1,	17.7,	17.7,	0.0);
(639009.7, 4177673.8,	17.7,	17.7,	0.0);	(639054.3, 4177696.4,	17.2,	17.2,	0.0);
(639098.8, 4177719.1,	17.4,	17.4,	0.0);	(637986.7, 4177358.1,	19.7,	19.7,	0.0);
(638031.2, 4177380.8,	19.5,	19.5,	0.0);	(638075.8, 4177403.5,	19.2,	19.2,	0.0);
(638120.4, 4177426.2,	19.7,	19.7,	0.0);	(638164.9, 4177448.9,	19.6,	19.6,	0.0);
(638209.5, 4177471.6,	19.2,	19.2,	0.0);	(638254.0, 4177494.3,	19.2,	19.2,	0.0);
(638298.6, 4177517.0,	19.0,	19.0,	0.0);	(638343.1, 4177539.7,	19.2,	19.2,	0.0);
(638387.7, 4177562.4,	18.6,	18.6,	0.0);	(638432.2, 4177585.1,	18.7,	18.7,	0.0);
(638476.8, 4177607.8,	18.6,	18.6,	0.0);	(638521.3, 4177630.5,	18.2,	18.2,	0.0);
(638565.9, 4177653.2,	17.8,	17.8,	0.0);	(638610.4, 4177675.9,	17.6,	17.6,	0.0);
(638655.0, 4177698.6,	17.8,	17.8,	0.0);	(638699.5, 4177721.3,	17.3,	17.3,	0.0);
(638744.1, 4177744.0,	17.2,	17.2,	0.0);	(638788.6, 4177766.7,	17.1,	17.1,	0.0);
(638833.2, 4177789.4,	17.0,	17.0,	0.0);	(638877.7, 4177812.1,	16.8,	16.8,	0.0);
(638922.2, 4177834.8,	16.7,	16.7,	0.0);	(638966.8, 4177857.5,	16.5,	16.5,	0.0);
(639011.4, 4177880.2,	16.4,	16.4,	0.0);	(638015.7, 4177306.9,	20.0,	20.0,	0.0);
(638060.3, 4177329.6,	19.8,	19.8,	0.0);	(638104.8, 4177352.3,	19.7,	19.7,	0.0);
(638149.4, 4177375.0,	19.9,	19.9,	0.0);	(638193.9, 4177397.7,	19.8,	19.8,	0.0);
(638238.5, 4177420.4,	19.6,	19.6,	0.0);	(638283.0, 4177443.1,	19.1,	19.1,	0.0);
(638327.6, 4177465.8,	19.3,	19.3,	0.0);	(638372.1, 4177488.5,	19.5,	19.5,	0.0);
(638416.7, 4177511.2,	18.8,	18.8,	0.0);	(638461.2, 4177533.9,	18.6,	18.6,	0.0);
(638505.8, 4177556.6,	18.5,	18.5,	0.0);	(638550.3, 4177579.3,	18.3,	18.3,	0.0);
(638594.9, 4177602.0,	18.1,	18.1,	0.0);	(638639.4, 4177624.7,	17.9,	17.9,	0.0);
(638684.0, 4177647.4,	17.8,	17.8,	0.0);	(638728.5, 4177670.1,	17.8,	17.8,	0.0);
(638773.1, 4177692.8,	17.3,	17.3,	0.0);	(638817.6, 4177715.5,	17.2,	17.2,	0.0);
(638862.2, 4177738.2,	17.1,	17.1,	0.0);	(638906.7, 4177760.9,	17.0,	17.0,	0.0);
(638951.3, 4177783.6,	16.9,	16.9,	0.0);	(638995.8, 4177806.3,	16.9,	16.9,	0.0);
(639040.4, 4177829.0,	16.7,	16.7,	0.0);	(639084.9, 4177851.7,	16.7,	16.7,	0.0);
(638019.2, 4177235.4,	19.8,	19.8,	0.0);	(638063.8, 4177258.1,	20.0,	20.0,	0.0);
(638108.3, 4177280.8,	20.0,	20.0,	0.0);	(638152.9, 4177303.5,	20.0,	20.0,	0.0);
(638197.4, 4177326.2,	19.9,	19.9,	0.0);	(638242.0, 4177348.9,	20.1,	20.1,	0.0);
(638286.5, 4177371.6,	19.8,	19.8,	0.0);	(638331.1, 4177394.3,	19.3,	19.3,	0.0);
(638375.6, 4177417.0,	19.3,	19.3,	0.0);	(638420.2, 4177439.7,	19.1,	19.1,	0.0);
(638464.7, 4177462.4,	18.7,	18.7,	0.0);	(638509.3, 4177485.1,	18.5,	18.5,	0.0);
(638553.8, 4177507.8,	18.7,	18.7,	0.0);	(638598.4, 4177530.5,	18.5,	18.5,	0.0);
(638642.9, 4177553.2,	18.5,	18.5,	0.0);	(638687.5, 4177575.9,	18.5,	18.5,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638732.0,	4177598.6,	18.3,	18.3,	0.0);	(638776.6,	4177621.3,	18.1,	18.1,	0.0);
(638821.1,	4177644.0,	17.4,	17.4,	0.0);	(638865.7,	4177666.7,	17.3,	17.3,	0.0);
(638910.2,	4177689.4,	17.3,	17.3,	0.0);	(638954.8,	4177712.1,	17.3,	17.3,	0.0);
(638999.3,	4177734.8,	17.2,	17.2,	0.0);	(639043.9,	4177757.5,	17.0,	17.0,	0.0);
(639088.4,	4177780.2,	17.3,	17.3,	0.0);	(639133.0,	4177802.9,	17.2,	17.2,	0.0);
(639177.5,	4177825.6,	17.0,	17.0,	0.0);	(637989.9,	4177442.9,	18.9,	18.9,	0.0);
(638034.4,	4177465.6,	19.2,	19.2,	0.0);	(638079.0,	4177488.3,	19.7,	19.7,	0.0);
(638123.5,	4177511.0,	19.6,	19.6,	0.0);	(638168.1,	4177533.8,	19.8,	19.8,	0.0);
(638212.6,	4177556.4,	19.7,	19.7,	0.0);	(638257.2,	4177579.1,	18.4,	18.4,	0.0);
(638301.7,	4177601.8,	18.3,	18.3,	0.0);	(638346.3,	4177624.5,	17.9,	17.9,	0.0);
(638390.8,	4177647.2,	18.3,	18.3,	0.0);	(638435.4,	4177669.9,	18.3,	18.3,	0.0);
(638479.9,	4177692.6,	18.3,	18.3,	0.0);	(638524.5,	4177715.3,	18.2,	18.2,	0.0);
(638569.0,	4177738.0,	18.0,	18.0,	0.0);	(638613.6,	4177760.8,	17.6,	17.6,	0.0);
(638658.1,	4177783.4,	17.5,	17.5,	0.0);	(638702.7,	4177806.1,	17.0,	17.0,	0.0);
(638747.2,	4177828.8,	17.1,	17.1,	0.0);	(638791.8,	4177851.5,	16.9,	16.9,	0.0);
(638836.3,	4177874.2,	16.7,	16.7,	0.0);	(638880.9,	4177896.9,	16.4,	16.4,	0.0);
(638925.4,	4177919.6,	16.3,	16.3,	0.0);	(638970.0,	4177942.3,	16.5,	16.5,	0.0);
(638126.0,	4176975.0,	21.8,	21.8,	0.0);	(638173.0,	4176912.0,	21.7,	21.7,	0.0);
(638223.0,	4176912.0,	21.7,	21.7,	0.0);	(638273.0,	4176912.0,	22.2,	22.2,	0.0);
(638323.0,	4176912.0,	21.9,	21.9,	0.0);	(638173.0,	4176962.0,	21.6,	21.6,	0.0);
(638223.0,	4176962.0,	21.6,	21.6,	0.0);	(638273.0,	4176962.0,	21.5,	21.5,	0.0);
(638323.0,	4176962.0,	21.4,	21.4,	0.0);	(638173.0,	4177012.0,	21.6,	21.6,	0.0);
(638223.0,	4177012.0,	21.6,	21.6,	0.0);	(638273.0,	4177012.0,	21.2,	21.2,	0.0);
(638323.0,	4177012.0,	21.1,	21.1,	0.0);	(638173.0,	4177062.0,	21.4,	21.4,	0.0);
(638223.0,	4177062.0,	21.2,	21.2,	0.0);	(638273.0,	4177062.0,	20.9,	20.9,	0.0);
(638323.0,	4177062.0,	20.8,	20.8,	0.0);	(638173.0,	4177112.0,	20.9,	20.9,	0.0);
(638223.0,	4177112.0,	21.1,	21.1,	0.0);	(638273.0,	4177112.0,	21.0,	21.0,	0.0);
(638323.0,	4177112.0,	20.7,	20.7,	0.0);	(638273.0,	4177162.0,	20.7,	20.7,	0.0);
(638323.0,	4177162.0,	20.5,	20.5,	0.0);	(638357.0,	4176916.0,	21.8,	21.8,	0.0);
(638357.0,	4176916.0,	21.8,	21.8,	0.0);	(638407.0,	4176916.0,	21.9,	21.9,	0.0);
(638557.0,	4176916.0,	21.6,	21.6,	0.0);	(638607.0,	4176916.0,	21.9,	21.9,	0.0);
(638707.0,	4176916.0,	21.4,	21.4,	0.0);	(638357.0,	4176966.0,	21.2,	21.2,	0.0);
(638407.0,	4176966.0,	21.3,	21.3,	0.0);	(638557.0,	4176966.0,	21.4,	21.4,	0.0);
(638607.0,	4176966.0,	21.7,	21.7,	0.0);	(638707.0,	4176966.0,	21.2,	21.2,	0.0);
(638357.0,	4177016.0,	21.0,	21.0,	0.0);	(638407.0,	4177016.0,	20.8,	20.8,	0.0);
(638457.0,	4177016.0,	20.9,	20.9,	0.0);	(638507.0,	4177016.0,	21.0,	21.0,	0.0);
(638557.0,	4177016.0,	21.1,	21.1,	0.0);	(638607.0,	4177016.0,	21.3,	21.3,	0.0);
(638707.0,	4177016.0,	20.8,	20.8,	0.0);	(638357.0,	4177066.0,	20.7,	20.7,	0.0);
(638407.0,	4177066.0,	20.6,	20.6,	0.0);	(638457.0,	4177066.0,	20.6,	20.6,	0.0);
(638507.0,	4177066.0,	20.9,	20.9,	0.0);	(638557.0,	4177066.0,	20.9,	20.9,	0.0);
(638607.0,	4177066.0,	20.9,	20.9,	0.0);	(638657.0,	4177066.0,	20.9,	20.9,	0.0);
(638707.0,	4177066.0,	20.6,	20.6,	0.0);	(638757.0,	4177066.0,	20.2,	20.2,	0.0);
(638807.0,	4177066.0,	20.3,	20.3,	0.0);	(638857.0,	4177066.0,	20.3,	20.3,	0.0);
(638907.0,	4177066.0,	20.5,	20.5,	0.0);	(638357.0,	4177116.0,	20.4,	20.4,	0.0);
(638407.0,	4177116.0,	20.4,	20.4,	0.0);	(638457.0,	4177116.0,	20.4,	20.4,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638507.0,	4177116.0,	20.6,	20.6,	0.0);	(638557.0,	4177116.0,	20.7,	20.7,	0.0);
(638607.0,	4177116.0,	20.6,	20.6,	0.0);	(638657.0,	4177116.0,	20.4,	20.4,	0.0);
(638707.0,	4177116.0,	20.1,	20.1,	0.0);	(638757.0,	4177116.0,	20.1,	20.1,	0.0);
(638807.0,	4177116.0,	19.9,	19.9,	0.0);	(638857.0,	4177116.0,	20.1,	20.1,	0.0);
(638907.0,	4177116.0,	20.3,	20.3,	0.0);	(638357.0,	4177166.0,	20.4,	20.4,	0.0);
(638407.0,	4177166.0,	20.2,	20.2,	0.0);	(638457.0,	4177166.0,	20.2,	20.2,	0.0);
(638507.0,	4177166.0,	20.6,	20.6,	0.0);	(638557.0,	4177166.0,	20.5,	20.5,	0.0);
(638607.0,	4177166.0,	20.5,	20.5,	0.0);	(638657.0,	4177166.0,	20.3,	20.3,	0.0);
(638707.0,	4177166.0,	20.1,	20.1,	0.0);	(638757.0,	4177166.0,	19.9,	19.9,	0.0);
(638807.0,	4177166.0,	19.7,	19.7,	0.0);	(638857.0,	4177166.0,	19.9,	19.9,	0.0);
(638907.0,	4177166.0,	20.0,	20.0,	0.0);	(638357.0,	4177216.0,	20.4,	20.4,	0.0);
(638407.0,	4177216.0,	20.3,	20.3,	0.0);	(638457.0,	4177216.0,	20.1,	20.1,	0.0);
(638507.0,	4177216.0,	20.2,	20.2,	0.0);	(638557.0,	4177216.0,	20.2,	20.2,	0.0);
(638607.0,	4177216.0,	20.4,	20.4,	0.0);	(638657.0,	4177216.0,	20.2,	20.2,	0.0);
(638707.0,	4177216.0,	19.9,	19.9,	0.0);	(638757.0,	4177216.0,	19.8,	19.8,	0.0);
(638807.0,	4177216.0,	19.8,	19.8,	0.0);	(638857.0,	4177216.0,	19.6,	19.6,	0.0);
(638907.0,	4177216.0,	19.7,	19.7,	0.0);	(638457.0,	4177266.0,	20.0,	20.0,	0.0);
(638507.0,	4177266.0,	20.0,	20.0,	0.0);	(638557.0,	4177266.0,	20.2,	20.2,	0.0);
(638607.0,	4177266.0,	20.2,	20.2,	0.0);	(638657.0,	4177266.0,	19.9,	19.9,	0.0);
(638707.0,	4177266.0,	19.6,	19.6,	0.0);	(638757.0,	4177266.0,	19.4,	19.4,	0.0);
(638807.0,	4177266.0,	19.5,	19.5,	0.0);	(638857.0,	4177266.0,	19.5,	19.5,	0.0);
(638557.0,	4177316.0,	19.7,	19.7,	0.0);	(639133.0,	4177457.0,	19.2,	19.2,	0.0);
(639132.0,	4177413.0,	19.3,	19.3,	0.0);	(639130.0,	4177375.0,	19.3,	19.3,	0.0);
(639128.0,	4177332.0,	19.5,	19.5,	0.0);	(639140.1,	4177300.4,	19.8,	19.8,	0.0);
(639177.6,	4177479.7,	19.0,	19.0,	0.0);	(639222.1,	4177502.4,	18.9,	18.9,	0.0);
(639266.7,	4177525.1,	18.7,	18.7,	0.0);	(639311.2,	4177547.8,	18.5,	18.5,	0.0);
(639355.8,	4177570.5,	18.4,	18.4,	0.0);	(639400.3,	4177593.2,	18.4,	18.4,	0.0);
(639444.9,	4177615.9,	18.4,	18.4,	0.0);	(639176.6,	4177435.7,	18.9,	18.9,	0.0);
(639221.1,	4177458.4,	18.6,	18.6,	0.0);	(639265.7,	4177481.1,	18.7,	18.7,	0.0);
(639310.2,	4177503.8,	18.5,	18.5,	0.0);	(639354.8,	4177526.5,	18.4,	18.4,	0.0);
(639399.3,	4177549.2,	17.7,	17.7,	0.0);	(639443.9,	4177571.9,	18.2,	18.2,	0.0);
(639488.4,	4177594.6,	17.9,	17.9,	0.0);	(639174.6,	4177397.7,	19.2,	19.2,	0.0);
(639219.1,	4177420.4,	18.6,	18.6,	0.0);	(639263.7,	4177443.1,	18.8,	18.8,	0.0);
(639308.2,	4177465.8,	18.7,	18.7,	0.0);	(639352.8,	4177488.5,	18.2,	18.2,	0.0);
(639397.3,	4177511.2,	18.2,	18.2,	0.0);	(639441.9,	4177533.9,	18.3,	18.3,	0.0);
(639486.4,	4177556.6,	18.3,	18.3,	0.0);	(639172.6,	4177354.7,	19.1,	19.1,	0.0);
(639217.1,	4177377.4,	19.1,	19.1,	0.0);	(639261.7,	4177400.1,	19.0,	19.0,	0.0);
(639306.2,	4177422.8,	18.5,	18.5,	0.0);	(639350.8,	4177445.5,	18.0,	18.0,	0.0);
(639395.3,	4177468.2,	18.3,	18.3,	0.0);	(639439.9,	4177490.9,	18.1,	18.1,	0.0);
(639484.4,	4177513.6,	17.6,	17.6,	0.0);	(639184.7,	4177323.1,	19.6,	19.6,	0.0);
(639229.2,	4177345.8,	18.8,	18.8,	0.0);	(639273.8,	4177368.5,	18.7,	18.7,	0.0);
(639318.3,	4177391.2,	19.0,	19.0,	0.0);	(639362.9,	4177413.9,	18.4,	18.4,	0.0);
(639407.4,	4177436.6,	18.4,	18.4,	0.0);	(639452.0,	4177459.3,	18.0,	18.0,	0.0);
(639496.5,	4177482.0,	18.4,	18.4,	0.0);	(643024.0,	4179439.0,	10.0,	10.0,	0.0);
(643141.0,	4179491.0,	9.8,	9.8,	0.0);	(643228.0,	4179455.0,	9.6,	9.6,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(643205.0,	4179517.0,	9.6,	9.6,	0.0);	(643271.0,	4179570.0,	9.1,	9.1,	0.0);
(643279.0,	4179643.0,	8.4,	8.4,	0.0);	(643343.0,	4179679.0,	8.4,	8.4,	0.0);
(643365.0,	4179689.0,	8.1,	8.1,	0.0);	(643324.0,	4179605.0,	8.3,	8.3,	0.0);
(643265.9,	4179527.1,	9.4,	9.4,	0.0);	(643583.0,	4179780.0,	7.1,	7.1,	0.0);
(643231.0,	4179762.0,	8.3,	8.3,	0.0);	(643228.0,	4179817.0,	7.8,	7.8,	0.0);
(643140.0,	4179814.0,	8.2,	8.2,	0.0);	(643354.0,	4179819.0,	7.7,	7.7,	0.0);
(642874.0,	4179802.0,	8.8,	8.8,	0.0);	(643359.0,	4179624.0,	8.2,	8.2,	0.0);
(643386.0,	4179638.0,	8.1,	8.1,	0.0);	(643407.0,	4179598.0,	8.2,	8.2,	0.0);
(643430.0,	4179529.0,	8.9,	8.9,	0.0);	(643426.0,	4179722.0,	8.1,	8.1,	0.0);
(643472.0,	4179745.0,	7.7,	7.7,	0.0);	(643432.0,	4179669.0,	7.9,	7.9,	0.0);
(643484.0,	4179692.0,	7.7,	7.7,	0.0);	(643472.0,	4179637.0,	7.7,	7.7,	0.0);
(642871.0,	4179938.0,	8.4,	8.4,	0.0);	(643366.0,	4180043.0,	8.1,	8.1,	0.0);
(643463.0,	4180039.0,	8.2,	8.2,	0.0);	(643364.0,	4179892.0,	7.4,	7.4,	0.0);
(643026.0,	4179884.0,	8.6,	8.6,	0.0);	(642910.0,	4179882.0,	9.2,	9.2,	0.0);
(638753.0,	4177367.0,	19.2,	19.2,	0.0);	(638775.0,	4177366.0,	19.2,	19.2,	0.0);
(638787.0,	4177366.0,	19.1,	19.1,	0.0);	(638802.0,	4177355.0,	19.2,	19.2,	0.0);
(638814.0,	4177355.0,	19.3,	19.3,	0.0);	(638829.0,	4177355.0,	19.3,	19.3,	0.0);
(638748.0,	4177323.0,	19.2,	19.2,	0.0);	(638763.0,	4177323.0,	19.2,	19.2,	0.0);
(638775.0,	4177317.0,	19.1,	19.1,	0.0);	(638760.0,	4177308.0,	19.4,	19.4,	0.0);
(638750.0,	4177301.0,	19.4,	19.4,	0.0);	(638774.0,	4177305.0,	19.3,	19.3,	0.0);
(638786.0,	4177300.0,	19.2,	19.2,	0.0);	(638800.0,	4177320.0,	19.1,	19.1,	0.0);
(638800.0,	4177301.0,	19.3,	19.3,	0.0);	(638815.0,	4177310.0,	19.3,	19.3,	0.0);
(638831.0,	4177311.0,	19.4,	19.4,	0.0);	(638863.0,	4177280.0,	19.4,	19.4,	0.0);
(638771.0,	4177341.0,	19.3,	19.3,	0.0);	(638788.0,	4177342.0,	19.2,	19.2,	0.0);
(638802.0,	4177336.0,	19.2,	19.2,	0.0);	(638827.0,	4177331.0,	19.3,	19.3,	0.0);
(638843.0,	4177341.0,	19.2,	19.2,	0.0);	(638709.0,	4177362.0,	19.2,	19.2,	0.0);
(638708.0,	4177341.0,	19.2,	19.2,	0.0);	(638677.0,	4177358.0,	19.3,	19.3,	0.0);
(638680.0,	4177336.0,	19.2,	19.2,	0.0);	(638659.0,	4177350.0,	19.2,	19.2,	0.0);
(638664.0,	4177333.0,	19.3,	19.3,	0.0);	(638641.0,	4177342.0,	19.5,	19.5,	0.0);
(638700.0,	4177299.0,	19.4,	19.4,	0.0);	(638712.0,	4177306.0,	19.3,	19.3,	0.0);
(638684.0,	4177316.0,	19.2,	19.2,	0.0);	(638675.0,	4177297.0,	19.6,	19.6,	0.0);
(638651.0,	4177304.0,	19.8,	19.8,	0.0);	(638659.0,	4177290.0,	19.9,	19.9,	0.0);

```
                                             *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                              (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1

               NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.


                                  *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                                           (METERS/SEC)

                                                1.54,   3.09,   5.14,   8.23,  10.80,
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08 Met Version: 16216
Profile file: ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08
Surface format: FREE
Profile format: FREE
Surface station no.: 99008 Upper air station no.: 66666
Name: UNKNOWN Name: UNKNOWN
Year: 2004 Year: 2004

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
04	01	01	1	01	-27.4	0.258	-9.000	-9.000	-999.	315.	55.9	0.09	0.77	1.00	4.10	151.	14.0	282.0	2.0
04	01	01	1	02	-33.4	0.328	-9.000	-9.000	-999.	450.	93.2	0.11	0.77	1.00	4.60	148.	14.0	282.0	2.0
04	01	01	1	03	-42.0	0.432	-9.000	-9.000	-999.	682.	170.4	0.11	0.77	1.00	5.70	144.	14.0	281.8	2.0
04	01	01	1	04	-40.3	0.482	-9.000	-9.000	-999.	801.	245.0	0.11	0.77	1.00	6.20	143.	14.0	281.6	2.0
04	01	01	1	05	-29.6	0.534	-9.000	-9.000	-999.	935.	454.9	0.11	0.77	1.00	6.70	143.	14.0	281.5	2.0
04	01	01	1	06	-32.0	0.576	-9.000	-9.000	-999.	1049.	529.7	0.11	0.77	1.00	7.20	142.	14.0	281.4	2.0
04	01	01	1	07	-34.4	0.619	-9.000	-9.000	-999.	1166.	609.6	0.11	0.77	1.00	7.70	135.	14.0	281.2	2.0
04	01	01	1	08	-36.6	0.661	-9.000	-9.000	-999.	1287.	697.1	0.11	0.77	0.73	8.20	143.	14.0	281.2	2.0
04	01	01	1	09	7.0	0.717	0.238	0.005	68.	1454.	-4692.4	0.11	0.77	0.39	8.70	137.	14.0	281.5	2.0
04	01	01	1	10	43.3	0.655	0.675	0.005	251.	1280.	-574.5	0.09	0.77	0.27	8.20	151.	14.0	282.1	2.0
04	01	01	1	11	70.4	0.549	0.930	0.005	405.	989.	-207.5	0.09	0.77	0.23	6.70	164.	14.0	283.1	2.0
04	01	01	1	12	90.7	0.480	1.217	0.005	703.	804.	-107.8	0.09	0.77	0.21	5.70	166.	14.0	284.1	2.0
04	01	01	1	13	92.9	0.395	1.327	0.005	891.	602.	-58.8	0.08	0.77	0.21	4.60	183.	14.0	284.9	2.0
04	01	01	1	14	81.1	0.321	1.332	0.005	1031.	440.	-36.0	0.08	0.77	0.22	3.60	189.	14.0	285.2	2.0
04	01	01	1	15	47.5	0.160	1.139	0.005	1104.	174.	-7.6	0.08	0.77	0.26	1.50	192.	14.0	284.5	2.0
04	01	01	1	16	19.1	0.076	0.847	0.005	1130.	56.	-2.0	0.12	0.77	0.34	0.50	54.	14.0	283.5	2.0
04	01	01	1	17	-2.6	0.061	-9.000	-9.000	-999.	36.	7.7	0.10	0.77	0.59	1.50	341.	14.0	283.1	2.0
04	01	01	1	18	-3.0	0.061	-9.000	-9.000	-999.	37.	6.9	0.11	0.77	1.00	1.50	307.	14.0	282.2	2.0
04	01	01	1	19	-9.1	0.106	-9.000	-9.000	-999.	83.	11.5	0.10	0.77	1.00	2.60	284.	14.0	281.2	2.0
04	01	01	1	20	-22.1	0.207	-9.000	-9.000	-999.	226.	35.6	0.10	0.77	1.00	3.60	267.	14.0	280.4	2.0
04	01	01	1	21	-28.4	0.265	-9.000	-9.000	-999.	327.	58.1	0.10	0.77	1.00	4.10	260.	14.0	279.8	2.0
04	01	01	1	22	-33.8	0.315	-9.000	-9.000	-999.	424.	82.1	0.10	0.77	1.00	4.60	262.	14.0	279.4	2.0
04	01	01	1	23	-33.9	0.315	-9.000	-9.000	-999.	424.	82.0	0.10	0.77	1.00	4.60	250.	14.0	279.2	2.0
04	01	01	1	24	-28.5	0.264	-9.000	-9.000	-999.	327.	57.9	0.10	0.77	1.00	4.10	240.	14.0	279.0	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
04	01	01	01	14.0	1	151.	4.10	282.1	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
638029.62	4177174.37	0.00001	638074.17	4177197.07	0.00002
638118.72	4177219.76	0.00002	638163.27	4177242.46	0.00002
638207.82	4177265.16	0.00002	638252.38	4177287.86	0.00003
638296.93	4177310.56	0.00003	638341.48	4177333.26	0.00004
638386.03	4177355.96	0.00005	638430.58	4177378.66	0.00006
638475.13	4177401.36	0.00007	638519.68	4177424.06	0.00009
638564.23	4177446.76	0.00012	638608.78	4177469.46	0.00018
638653.33	4177492.16	0.00028	638697.88	4177514.86	0.00053
638742.43	4177537.56	0.00085	638786.98	4177560.26	0.00048
638831.53	4177582.96	0.00027	638876.08	4177605.66	0.00018
638920.63	4177628.36	0.00015	638965.18	4177651.06	0.00013
639009.73	4177673.76	0.00011	639054.28	4177696.45	0.00010
639098.83	4177719.15	0.00009	637986.69	4177358.11	0.00002
638031.24	4177380.81	0.00002	638075.80	4177403.51	0.00002
638120.35	4177426.21	0.00002	638164.90	4177448.91	0.00003
638209.45	4177471.61	0.00003	638254.00	4177494.31	0.00003
638298.55	4177517.01	0.00004	638343.10	4177539.71	0.00005
638387.65	4177562.41	0.00006	638432.20	4177585.11	0.00007
638476.75	4177607.81	0.00009	638521.30	4177630.51	0.00012
638565.85	4177653.21	0.00015	638610.40	4177675.91	0.00018
638654.95	4177698.61	0.00019	638699.50	4177721.31	0.00017
638744.05	4177744.01	0.00014	638788.60	4177766.71	0.00012
638833.15	4177789.41	0.00010	638877.70	4177812.10	0.00008
638922.25	4177834.80	0.00007	638966.80	4177857.50	0.00006
639011.35	4177880.20	0.00005	638015.73	4177306.93	0.00002
638060.28	4177329.63	0.00002	638104.83	4177352.33	0.00002
638149.39	4177375.03	0.00002	638193.94	4177397.73	0.00003
638238.49	4177420.43	0.00003	638283.04	4177443.13	0.00004
638327.59	4177465.83	0.00004	638372.14	4177488.53	0.00005
638416.69	4177511.23	0.00006	638461.24	4177533.93	0.00008
638505.79	4177556.63	0.00010	638550.34	4177579.33	0.00014
638594.89	4177602.03	0.00019	638639.44	4177624.73	0.00024
638683.99	4177647.43	0.00025	638728.54	4177670.13	0.00022
638773.09	4177692.83	0.00017	638817.64	4177715.53	0.00013
638862.19	4177738.23	0.00011	638906.74	4177760.93	0.00009
638951.29	4177783.62	0.00008	638995.84	4177806.32	0.00007
639040.39	4177829.02	0.00006	639084.94	4177851.72	0.00005
638019.20	4177235.43	0.00002	638063.75	4177258.13	0.00002
638108.30	4177280.82	0.00002	638152.85	4177303.52	0.00002
638197.40	4177326.22	0.00002	638241.96	4177348.92	0.00003

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
638286.51	4177371.62	0.00003	638331.06	4177394.32	0.00004
638375.61	4177417.02	0.00005	638420.16	4177439.72	0.00006
638464.71	4177462.42	0.00007	638509.26	4177485.12	0.00009
638553.81	4177507.82	0.00013	638598.36	4177530.52	0.00018
638642.91	4177553.22	0.00028	638687.46	4177575.92	0.00040
638732.01	4177598.62	0.00039	638776.56	4177621.32	0.00026
638821.11	4177644.02	0.00018	638865.66	4177666.72	0.00014
638910.21	4177689.42	0.00011	638954.76	4177712.12	0.00010
638999.31	4177734.82	0.00008	639043.86	4177757.51	0.00007
639088.41	4177780.21	0.00007	639132.96	4177802.91	0.00006
639177.51	4177825.61	0.00006	637989.88	4177442.95	0.00002
638034.44	4177465.65	0.00002	638078.99	4177488.35	0.00002
638123.54	4177511.05	0.00002	638168.09	4177533.75	0.00003
638212.64	4177556.45	0.00003	638257.19	4177579.15	0.00004
638301.74	4177601.85	0.00004	638346.29	4177624.55	0.00005
638390.84	4177647.25	0.00006	638435.39	4177669.95	0.00008
638479.94	4177692.65	0.00010	638524.49	4177715.35	0.00012
638569.04	4177738.05	0.00013	638613.59	4177760.75	0.00013
638658.14	4177783.45	0.00013	638702.69	4177806.15	0.00011
638747.24	4177828.85	0.00010	638791.79	4177851.55	0.00009
638836.34	4177874.24	0.00007	638880.89	4177896.94	0.00006
638925.44	4177919.64	0.00006	638969.99	4177942.34	0.00005
638126.00	4176975.00	0.00001	638173.00	4176912.00	0.00001
638223.00	4176912.00	0.00001	638273.00	4176912.00	0.00001
638323.00	4176912.00	0.00002	638173.00	4176962.00	0.00001
638223.00	4176962.00	0.00001	638273.00	4176962.00	0.00002
638323.00	4176962.00	0.00002	638173.00	4177012.00	0.00001
638223.00	4177012.00	0.00002	638273.00	4177012.00	0.00002
638323.00	4177012.00	0.00002	638173.00	4177062.00	0.00002
638223.00	4177062.00	0.00002	638273.00	4177062.00	0.00002
638323.00	4177062.00	0.00002	638173.00	4177112.00	0.00002
638223.00	4177112.00	0.00002	638273.00	4177112.00	0.00002
638323.00	4177112.00	0.00002	638273.00	4177162.00	0.00002
638323.00	4177162.00	0.00003	638357.00	4176916.00	0.00002
638357.00	4176916.00	0.00002	638407.00	4176916.00	0.00002
638557.00	4176916.00	0.00002	638607.00	4176916.00	0.00003
638707.00	4176916.00	0.00003	638357.00	4176966.00	0.00002
638407.00	4176966.00	0.00002	638557.00	4176966.00	0.00003
638607.00	4176966.00	0.00003	638707.00	4176966.00	0.00003
638357.00	4177016.00	0.00002	638407.00	4177016.00	0.00002

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
638457.00	4177016.00	0.00003	638507.00	4177016.00	0.00003
638557.00	4177016.00	0.00003	638607.00	4177016.00	0.00003
638707.00	4177016.00	0.00004	638357.00	4177066.00	0.00002
638407.00	4177066.00	0.00003	638457.00	4177066.00	0.00003
638507.00	4177066.00	0.00003	638557.00	4177066.00	0.00004
638607.00	4177066.00	0.00004	638657.00	4177066.00	0.00004
638707.00	4177066.00	0.00005	638757.00	4177066.00	0.00006
638807.00	4177066.00	0.00007	638857.00	4177066.00	0.00008
638907.00	4177066.00	0.00009	638357.00	4177116.00	0.00003
638407.00	4177116.00	0.00003	638457.00	4177116.00	0.00003
638507.00	4177116.00	0.00004	638557.00	4177116.00	0.00004
638607.00	4177116.00	0.00005	638657.00	4177116.00	0.00005
638707.00	4177116.00	0.00006	638757.00	4177116.00	0.00007
638807.00	4177116.00	0.00009	638857.00	4177116.00	0.00010
638907.00	4177116.00	0.00012	638357.00	4177166.00	0.00003
638407.00	4177166.00	0.00003	638457.00	4177166.00	0.00004
638507.00	4177166.00	0.00004	638557.00	4177166.00	0.00005
638607.00	4177166.00	0.00006	638657.00	4177166.00	0.00007
638707.00	4177166.00	0.00008	638757.00	4177166.00	0.00009
638807.00	4177166.00	0.00011	638857.00	4177166.00	0.00014
638907.00	4177166.00	0.00017	638357.00	4177216.00	0.00003
638407.00	4177216.00	0.00004	638457.00	4177216.00	0.00004
638507.00	4177216.00	0.00005	638557.00	4177216.00	0.00006
638607.00	4177216.00	0.00007	638657.00	4177216.00	0.00008
638707.00	4177216.00	0.00010	638757.00	4177216.00	0.00012
638807.00	4177216.00	0.00015	638857.00	4177216.00	0.00020
638907.00	4177216.00	0.00025	638457.00	4177266.00	0.00005
638507.00	4177266.00	0.00006	638557.00	4177266.00	0.00007
638607.00	4177266.00	0.00008	638657.00	4177266.00	0.00011
638707.00	4177266.00	0.00013	638757.00	4177266.00	0.00017
638807.00	4177266.00	0.00023	638857.00	4177266.00	0.00032
638557.00	4177316.00	0.00008	639133.00	4177457.00	0.00036
639132.00	4177413.00	0.00036	639130.00	4177375.00	0.00034
639128.00	4177332.00	0.00031	639140.12	4177300.40	0.00026
639177.55	4177479.70	0.00029	639222.10	4177502.40	0.00023
639266.65	4177525.10	0.00019	639311.20	4177547.80	0.00016
639355.75	4177570.50	0.00014	639400.30	4177593.20	0.00012
639444.85	4177615.90	0.00010	639176.55	4177435.70	0.00030
639221.10	4177458.40	0.00025	639265.65	4177481.10	0.00021
639310.20	4177503.80	0.00018	639354.75	4177526.50	0.00015

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
639399.30	4177549.20	0.00013	639443.85	4177571.90	0.00011
639488.40	4177594.60	0.00010	639174.55	4177397.70	0.00030
639219.10	4177420.40	0.00026	639263.65	4177443.10	0.00022
639308.20	4177465.80	0.00019	639352.75	4177488.50	0.00016
639397.30	4177511.20	0.00014	639441.85	4177533.90	0.00012
639486.40	4177556.60	0.00011	639172.55	4177354.70	0.00028
639217.10	4177377.40	0.00025	639261.65	4177400.10	0.00022
639306.20	4177422.80	0.00019	639350.75	4177445.50	0.00017
639395.30	4177468.20	0.00015	639439.85	4177490.90	0.00013
639484.40	4177513.60	0.00012	639184.67	4177323.10	0.00025
639229.22	4177345.80	0.00023	639273.77	4177368.50	0.00021
639318.32	4177391.20	0.00019	639362.87	4177413.90	0.00017
639407.42	4177436.60	0.00015	639451.97	4177459.30	0.00013
639496.52	4177482.00	0.00012	643024.00	4179439.00	0.00000
643141.00	4179491.00	0.00000	643228.00	4179455.00	0.00000
643205.00	4179517.00	0.00000	643271.00	4179570.00	0.00000
643279.00	4179643.00	0.00000	643343.00	4179679.00	0.00000
643365.00	4179689.00	0.00000	643324.00	4179605.00	0.00000
643265.94	4179527.10	0.00000	643583.00	4179780.00	0.00000
643231.00	4179762.00	0.00000	643228.00	4179817.00	0.00000
643140.00	4179814.00	0.00000	643354.00	4179819.00	0.00000
642874.00	4179802.00	0.00000	643359.00	4179624.00	0.00000
643386.00	4179638.00	0.00000	643407.00	4179598.00	0.00000
643430.00	4179529.00	0.00000	643426.00	4179722.00	0.00000
643472.00	4179745.00	0.00000	643432.00	4179669.00	0.00000
643484.00	4179692.00	0.00000	643472.00	4179637.00	0.00000
642871.00	4179938.00	0.00000	643366.00	4180043.00	0.00000
643463.00	4180039.00	0.00000	643364.00	4179892.00	0.00000
643026.00	4179884.00	0.00000	642910.00	4179882.00	0.00000
638753.00	4177367.00	0.00039	638775.00	4177366.00	0.00047
638787.00	4177366.00	0.00055	638802.00	4177355.00	0.00057
638814.00	4177355.00	0.00066	638829.00	4177355.00	0.00077
638748.00	4177323.00	0.00025	638763.00	4177323.00	0.00028
638775.00	4177317.00	0.00029	638760.00	4177308.00	0.00024
638750.00	4177301.00	0.00021	638774.00	4177305.00	0.00026
638786.00	4177300.00	0.00027	638800.00	4177320.00	0.00037
638800.00	4177301.00	0.00030	638815.00	4177310.00	0.00037
638831.00	4177311.00	0.00043	638863.00	4177280.00	0.00037
638771.00	4177341.00	0.00035	638788.00	4177342.00	0.00041
638802.00	4177336.00	0.00045	638827.00	4177331.00	0.00054

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
638843.00	4177341.00	0.00070	638709.00	4177362.00	0.00026
638708.00	4177341.00	0.00022	638677.00	4177358.00	0.00020
638680.00	4177336.00	0.00018	638659.00	4177350.00	0.00017
638664.00	4177333.00	0.00016	638641.00	4177342.00	0.00014
638700.00	4177299.00	0.00016	638712.00	4177306.00	0.00018
638684.00	4177316.00	0.00016	638675.00	4177297.00	0.00014
638651.00	4177304.00	0.00012	638659.00	4177290.00	0.00012

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00085 AT	(638742.43, 4177537.56, 18.67, 18.67, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00077 AT	(638829.00, 4177355.00, 19.26, 19.26, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00070 AT	(638843.00, 4177341.00, 19.18, 19.18, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00066 AT	(638814.00, 4177355.00, 19.32, 19.32, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00057 AT	(638802.00, 4177355.00, 19.20, 19.20, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00055 AT	(638787.00, 4177366.00, 19.14, 19.14, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00054 AT	(638827.00, 4177331.00, 19.26, 19.26, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00053 AT	(638697.88, 4177514.86, 18.73, 18.73, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00048 AT	(638786.98, 4177560.26, 18.35, 18.35, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00047 AT	(638775.00, 4177366.00, 19.22, 19.22, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   0 Warning Message(s)
A Total of   375 Informational Message(s)

A Total of   43848 Hours Were Processed

A Total of   375 Calm Hours Identified

A Total of   0 Missing Hours Identified (0.00 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
              *** NONE ***

   ****
   *** AERMOD Finishes Successfully ***
   ****

```
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE Valley Link: Downtown TracyStation V1, 2025 Annual Idling DPM
   TITLETWO Traditional Diesel
   MODELOPT CONC FASTAREA
   AVERTIME ANNUAL
   URBANOPT 4656000 Other_Bay_Area
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL Downtown_Tracy_Station_V1_2025_Idling.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION TRACYV1_PFM  AREAPOLY   638733.989  4177438.033       19.420
** DESCRSRC Downtown Tracy Station Variant 1: Platform
   LOCATION STCK1        POINT      638788.360  4177471.150       19.000
** Source Parameters **
   SRCPARAM TRACYV1_PFM        0.0     3.000         8     0.700
   AREAVERT TRACYV1_PFM  638733.989 4177438.033 638745.324 4177442.638
   AREAVERT TRACYV1_PFM  638744.615 4177445.117 638854.422 4177499.667
   AREAVERT TRACYV1_PFM  638856.901 4177492.936 638748.157 4177438.741
   AREAVERT TRACYV1_PFM  638747.449 4177439.804 638735.051 4177432.720
   SRCPARAM STCK1        0.0000647     4.520   389.100   5.10000     0.550
   URBANSRC ALL

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Scenario 1"
   EMISFACT STCK1        HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED Downtown_Tracy_Station_V1_2025_Idling.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08.SFC
   PROFFILE ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08.PFL
   SURFDATA 99008 2004
   UAIRDATA 66666 2004
   PROFBASE 158.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   PLOTFILE ANNUAL ALL DOWNTOWN_TRACY_STATION_V1_2025_IDLING.AD\Downtown_Tracy_Station_V1_idling_2025_annual_DPM.PLT 31
   SUMMFILE Downtown_Tracy_Station_V1_2025_Idling.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 SO W320      41       APPARM: Input Parameter May Be Out-of-Range for Parameter           QS

 ***********************************
```

```
*** SETUP Finishes Successfully ***
**********************************
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

**Model Is Setup For Calculation of Average CONCentration Values.

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for   2 Source(s),
  for Total of   1 Urban Area(s):
  Urban Population =   4656000.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Full Conversion Assumed for NO2.
        6. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:
        FASTAREA - Use hybrid approach to optimize AREA sources;
                   also applies to LINE sources (formerly TOXICS option)
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 2 Source(s);   1 Source Group(s); and   326 Receptor(s)

               with: 1 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 0 VOLUME source(s)
                and: 1 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with   0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   158.00 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   3.5 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: Downtown_Tracy_Station_V1_2025_Idling.err
**File for Summary of Results: Downtown_Tracy_Station_V1_2025_Idling.sum

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER EMISSION RATE PART. CATS.	(GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
STCK1	0	0.64700E-04	638788.4	4177471.1	19.0	4.52	389.10	5.10	0.55	NO	YES	NO	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
TRACYV1_PFM	0	0.00000E+00	638734.0	4177438.0	19.4	3.00	8	0.70	YES	

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	TRACYV1_PFM , STCK1 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	4656000.	TRACYV1_PFM , STCK1 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = STCK1 ; SOURCE TYPE = POINT :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638029.6, 4177174.4,	20.1,	20.1,	0.0);	(638074.2, 4177197.1,	20.3,	20.3,	0.0);
(638118.7, 4177219.8,	20.1,	20.1,	0.0);	(638163.3, 4177242.5,	20.0,	20.0,	0.0);
(638207.8, 4177265.2,	20.2,	20.2,	0.0);	(638252.4, 4177287.9,	20.3,	20.3,	0.0);
(638296.9, 4177310.6,	20.2,	20.2,	0.0);	(638341.5, 4177333.3,	19.7,	19.7,	0.0);
(638386.0, 4177356.0,	19.4,	19.4,	0.0);	(638430.6, 4177378.7,	19.3,	19.3,	0.0);
(638475.1, 4177401.4,	18.9,	18.9,	0.0);	(638519.7, 4177424.1,	18.6,	18.6,	0.0);
(638564.2, 4177446.8,	18.4,	18.4,	0.0);	(638742.4, 4177537.6,	18.7,	18.7,	0.0);
(638787.0, 4177560.3,	18.4,	18.4,	0.0);	(638831.5, 4177583.0,	17.9,	17.9,	0.0);
(638876.1, 4177605.7,	17.7,	17.7,	0.0);	(638920.6, 4177628.4,	17.8,	17.8,	0.0);
(638965.2, 4177651.1,	17.7,	17.7,	0.0);	(639009.7, 4177673.8,	17.7,	17.7,	0.0);
(639054.3, 4177696.4,	17.2,	17.2,	0.0);	(639098.8, 4177719.1,	17.4,	17.4,	0.0);
(637986.7, 4177358.1,	19.7,	19.7,	0.0);	(638031.2, 4177380.8,	19.5,	19.5,	0.0);
(638075.8, 4177403.5,	19.2,	19.2,	0.0);	(638120.4, 4177426.2,	19.7,	19.7,	0.0);
(638164.9, 4177448.9,	19.6,	19.6,	0.0);	(638209.5, 4177471.6,	19.2,	19.2,	0.0);
(638254.0, 4177494.3,	19.2,	19.2,	0.0);	(638298.6, 4177517.0,	19.0,	19.0,	0.0);
(638343.1, 4177539.7,	19.2,	19.2,	0.0);	(638387.7, 4177562.4,	18.6,	18.6,	0.0);
(638432.2, 4177585.1,	18.7,	18.7,	0.0);	(638476.8, 4177607.8,	18.6,	18.6,	0.0);
(638521.3, 4177630.5,	18.2,	18.2,	0.0);	(638565.9, 4177653.2,	17.8,	17.8,	0.0);
(638610.4, 4177675.9,	17.6,	17.6,	0.0);	(638655.0, 4177698.6,	17.8,	17.8,	0.0);
(638699.5, 4177721.3,	17.3,	17.3,	0.0);	(638744.1, 4177744.0,	17.2,	17.2,	0.0);
(638788.6, 4177766.7,	17.1,	17.1,	0.0);	(638833.2, 4177789.4,	17.0,	17.0,	0.0);
(638877.7, 4177812.1,	16.8,	16.8,	0.0);	(638922.2, 4177834.8,	16.7,	16.7,	0.0);
(638966.8, 4177857.5,	16.5,	16.5,	0.0);	(639011.4, 4177880.2,	16.4,	16.4,	0.0);
(638015.7, 4177306.9,	20.0,	20.0,	0.0);	(638060.3, 4177329.6,	19.8,	19.8,	0.0);
(638104.8, 4177352.3,	19.7,	19.7,	0.0);	(638149.4, 4177375.0,	19.9,	19.9,	0.0);
(638193.9, 4177397.7,	19.8,	19.8,	0.0);	(638238.5, 4177420.4,	19.6,	19.6,	0.0);
(638283.0, 4177443.1,	19.1,	19.1,	0.0);	(638327.6, 4177465.8,	19.3,	19.3,	0.0);
(638372.1, 4177488.5,	19.5,	19.5,	0.0);	(638416.7, 4177511.2,	18.8,	18.8,	0.0);
(638550.3, 4177579.3,	18.3,	18.3,	0.0);	(638594.9, 4177602.0,	18.1,	18.1,	0.0);
(638639.4, 4177624.7,	17.9,	17.9,	0.0);	(638684.0, 4177647.4,	17.8,	17.8,	0.0);
(638728.5, 4177670.1,	17.8,	17.8,	0.0);	(638773.1, 4177692.8,	17.3,	17.3,	0.0);
(638817.6, 4177715.5,	17.2,	17.2,	0.0);	(638862.2, 4177738.2,	17.1,	17.1,	0.0);
(638906.7, 4177760.9,	17.0,	17.0,	0.0);	(638951.3, 4177783.6,	16.9,	16.9,	0.0);
(638995.8, 4177806.3,	16.9,	16.9,	0.0);	(639040.4, 4177829.0,	16.7,	16.7,	0.0);
(639084.9, 4177851.7,	16.7,	16.7,	0.0);	(638019.2, 4177235.4,	19.8,	19.8,	0.0);
(638063.8, 4177258.1,	20.0,	20.0,	0.0);	(638108.3, 4177280.8,	20.0,	20.0,	0.0);
(638152.9, 4177303.5,	20.0,	20.0,	0.0);	(638197.4, 4177326.2,	19.9,	19.9,	0.0);
(638242.0, 4177348.9,	20.1,	20.1,	0.0);	(638286.5, 4177371.6,	19.8,	19.8,	0.0);
(638331.1, 4177394.3,	19.3,	19.3,	0.0);	(638375.6, 4177417.0,	19.3,	19.3,	0.0);
(638420.2, 4177439.7,	19.1,	19.1,	0.0);	(638464.7, 4177462.4,	18.7,	18.7,	0.0);
(638642.9, 4177553.2,	18.5,	18.5,	0.0);	(638687.5, 4177575.9,	18.5,	18.5,	0.0);
(638732.0, 4177598.6,	18.3,	18.3,	0.0);	(638776.6, 4177621.3,	18.1,	18.1,	0.0);
(638821.1, 4177644.0,	17.4,	17.4,	0.0);	(638865.7, 4177666.7,	17.3,	17.3,	0.0);
(638910.2, 4177689.4,	17.3,	17.3,	0.0);	(638954.8, 4177712.1,	17.3,	17.3,	0.0);
(638999.3, 4177734.8,	17.2,	17.2,	0.0);	(639043.9, 4177757.5,	17.0,	17.0,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(639088.4,	4177780.2,	17.3,	17.3,	0.0);	(639133.0,	4177802.9,	17.2,	17.2,	0.0);
(639177.5,	4177825.6,	17.0,	17.0,	0.0);	(637989.9,	4177442.9,	18.9,	18.9,	0.0);
(638034.4,	4177465.6,	19.2,	19.2,	0.0);	(638079.0,	4177488.3,	19.7,	19.7,	0.0);
(638123.5,	4177511.0,	19.6,	19.6,	0.0);	(638168.1,	4177533.8,	19.8,	19.8,	0.0);
(638212.6,	4177556.4,	19.7,	19.7,	0.0);	(638257.2,	4177579.1,	18.4,	18.4,	0.0);
(638301.7,	4177601.8,	18.3,	18.3,	0.0);	(638346.3,	4177624.5,	17.9,	17.9,	0.0);
(638390.8,	4177647.2,	18.3,	18.3,	0.0);	(638435.4,	4177669.9,	18.3,	18.3,	0.0);
(638479.9,	4177692.6,	18.3,	18.3,	0.0);	(638524.5,	4177715.3,	18.2,	18.2,	0.0);
(638569.0,	4177738.0,	18.0,	18.0,	0.0);	(638613.6,	4177760.8,	17.6,	17.6,	0.0);
(638658.1,	4177783.4,	17.5,	17.5,	0.0);	(638702.7,	4177806.1,	17.0,	17.0,	0.0);
(638747.2,	4177828.8,	17.1,	17.1,	0.0);	(638791.8,	4177851.5,	16.9,	16.9,	0.0);
(638836.3,	4177874.2,	16.7,	16.7,	0.0);	(638880.9,	4177896.9,	16.4,	16.4,	0.0);
(638925.4,	4177919.6,	16.3,	16.3,	0.0);	(638970.0,	4177942.3,	16.5,	16.5,	0.0);
(638126.0,	4176975.0,	21.8,	21.8,	0.0);	(638173.0,	4176912.0,	21.7,	21.7,	0.0);
(638223.0,	4176912.0,	21.7,	21.7,	0.0);	(638273.0,	4176912.0,	22.2,	22.2,	0.0);
(638323.0,	4176912.0,	21.9,	21.9,	0.0);	(638173.0,	4176962.0,	21.6,	21.6,	0.0);
(638223.0,	4176962.0,	21.6,	21.6,	0.0);	(638273.0,	4176962.0,	21.5,	21.5,	0.0);
(638323.0,	4176962.0,	21.4,	21.4,	0.0);	(638173.0,	4177012.0,	21.6,	21.6,	0.0);
(638223.0,	4177012.0,	21.6,	21.6,	0.0);	(638273.0,	4177012.0,	21.2,	21.2,	0.0);
(638323.0,	4177012.0,	21.1,	21.1,	0.0);	(638173.0,	4177062.0,	21.4,	21.4,	0.0);
(638223.0,	4177062.0,	21.2,	21.2,	0.0);	(638273.0,	4177062.0,	20.9,	20.9,	0.0);
(638323.0,	4177062.0,	20.8,	20.8,	0.0);	(638173.0,	4177112.0,	20.9,	20.9,	0.0);
(638223.0,	4177112.0,	21.1,	21.1,	0.0);	(638273.0,	4177112.0,	21.0,	21.0,	0.0);
(638323.0,	4177112.0,	20.7,	20.7,	0.0);	(638273.0,	4177162.0,	20.7,	20.7,	0.0);
(638323.0,	4177162.0,	20.5,	20.5,	0.0);	(638357.0,	4176916.0,	21.8,	21.8,	0.0);
(638357.0,	4176916.0,	21.8,	21.8,	0.0);	(638407.0,	4176916.0,	21.9,	21.9,	0.0);
(638557.0,	4176916.0,	21.6,	21.6,	0.0);	(638607.0,	4176916.0,	21.9,	21.9,	0.0);
(638707.0,	4176916.0,	21.4,	21.4,	0.0);	(638357.0,	4176966.0,	21.2,	21.2,	0.0);
(638407.0,	4176966.0,	21.3,	21.3,	0.0);	(638557.0,	4176966.0,	21.4,	21.4,	0.0);
(638607.0,	4176966.0,	21.7,	21.7,	0.0);	(638707.0,	4176966.0,	21.2,	21.2,	0.0);
(638357.0,	4177016.0,	21.0,	21.0,	0.0);	(638407.0,	4177016.0,	20.8,	20.8,	0.0);
(638457.0,	4177016.0,	20.9,	20.9,	0.0);	(638507.0,	4177016.0,	21.0,	21.0,	0.0);
(638557.0,	4177016.0,	21.1,	21.1,	0.0);	(638607.0,	4177016.0,	21.3,	21.3,	0.0);
(638707.0,	4177016.0,	20.8,	20.8,	0.0);	(638357.0,	4177066.0,	20.7,	20.7,	0.0);
(638407.0,	4177066.0,	20.6,	20.6,	0.0);	(638457.0,	4177066.0,	20.6,	20.6,	0.0);
(638507.0,	4177066.0,	20.9,	20.9,	0.0);	(638557.0,	4177066.0,	20.9,	20.9,	0.0);
(638607.0,	4177066.0,	20.9,	20.9,	0.0);	(638657.0,	4177066.0,	20.9,	20.9,	0.0);
(638707.0,	4177066.0,	20.6,	20.6,	0.0);	(638757.0,	4177066.0,	20.2,	20.2,	0.0);
(638807.0,	4177066.0,	20.3,	20.3,	0.0);	(638857.0,	4177066.0,	20.3,	20.3,	0.0);
(638907.0,	4177066.0,	20.5,	20.5,	0.0);	(638357.0,	4177116.0,	20.4,	20.4,	0.0);
(638407.0,	4177116.0,	20.4,	20.4,	0.0);	(638457.0,	4177116.0,	20.4,	20.4,	0.0);
(638507.0,	4177116.0,	20.6,	20.6,	0.0);	(638557.0,	4177116.0,	20.7,	20.7,	0.0);
(638607.0,	4177116.0,	20.6,	20.6,	0.0);	(638657.0,	4177116.0,	20.4,	20.4,	0.0);
(638707.0,	4177116.0,	20.1,	20.1,	0.0);	(638757.0,	4177116.0,	20.1,	20.1,	0.0);
(638807.0,	4177116.0,	19.9,	19.9,	0.0);	(638857.0,	4177116.0,	20.1,	20.1,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638907.0,	4177116.0,	20.3,	20.3,	0.0);	(638357.0,	4177166.0,	20.4,	20.4,	0.0);
(638407.0,	4177166.0,	20.2,	20.2,	0.0);	(638457.0,	4177166.0,	20.2,	20.2,	0.0);
(638507.0,	4177166.0,	20.6,	20.6,	0.0);	(638557.0,	4177166.0,	20.5,	20.5,	0.0);
(638607.0,	4177166.0,	20.5,	20.5,	0.0);	(638657.0,	4177166.0,	20.3,	20.3,	0.0);
(638707.0,	4177166.0,	20.1,	20.1,	0.0);	(638757.0,	4177166.0,	19.9,	19.9,	0.0);
(638807.0,	4177166.0,	19.7,	19.7,	0.0);	(638857.0,	4177166.0,	19.9,	19.9,	0.0);
(638907.0,	4177166.0,	20.0,	20.0,	0.0);	(638357.0,	4177216.0,	20.4,	20.4,	0.0);
(638407.0,	4177216.0,	20.3,	20.3,	0.0);	(638457.0,	4177216.0,	20.1,	20.1,	0.0);
(638507.0,	4177216.0,	20.2,	20.2,	0.0);	(638557.0,	4177216.0,	20.2,	20.2,	0.0);
(638607.0,	4177216.0,	20.4,	20.4,	0.0);	(638657.0,	4177216.0,	20.2,	20.2,	0.0);
(638707.0,	4177216.0,	19.9,	19.9,	0.0);	(638757.0,	4177216.0,	19.8,	19.8,	0.0);
(638807.0,	4177216.0,	19.8,	19.8,	0.0);	(638857.0,	4177216.0,	19.6,	19.6,	0.0);
(638907.0,	4177216.0,	19.7,	19.7,	0.0);	(638457.0,	4177266.0,	20.0,	20.0,	0.0);
(638507.0,	4177266.0,	20.0,	20.0,	0.0);	(638557.0,	4177266.0,	20.2,	20.2,	0.0);
(638607.0,	4177266.0,	20.2,	20.2,	0.0);	(638657.0,	4177266.0,	19.9,	19.9,	0.0);
(638707.0,	4177266.0,	19.6,	19.6,	0.0);	(638757.0,	4177266.0,	19.4,	19.4,	0.0);
(638807.0,	4177266.0,	19.5,	19.5,	0.0);	(638857.0,	4177266.0,	19.5,	19.5,	0.0);
(638557.0,	4177316.0,	19.7,	19.7,	0.0);	(639133.0,	4177457.0,	19.2,	19.2,	0.0);
(639132.0,	4177413.0,	19.3,	19.3,	0.0);	(639130.0,	4177375.0,	19.3,	19.3,	0.0);
(639128.0,	4177332.0,	19.5,	19.5,	0.0);	(639140.1,	4177300.4,	19.8,	19.8,	0.0);
(639177.6,	4177479.7,	19.0,	19.0,	0.0);	(639222.1,	4177502.4,	18.9,	18.9,	0.0);
(639266.7,	4177525.1,	18.7,	18.7,	0.0);	(639311.2,	4177547.8,	18.5,	18.5,	0.0);
(639355.8,	4177570.5,	18.4,	18.4,	0.0);	(639400.3,	4177593.2,	18.4,	18.4,	0.0);
(639444.9,	4177615.9,	18.4,	18.4,	0.0);	(639176.6,	4177435.7,	18.9,	18.9,	0.0);
(639221.1,	4177458.4,	18.6,	18.6,	0.0);	(639265.7,	4177481.1,	18.7,	18.7,	0.0);
(639310.2,	4177503.8,	18.5,	18.5,	0.0);	(639354.8,	4177526.5,	18.4,	18.4,	0.0);
(639399.3,	4177549.2,	17.7,	17.7,	0.0);	(639443.9,	4177571.9,	18.2,	18.2,	0.0);
(639488.4,	4177594.6,	17.9,	17.9,	0.0);	(639174.6,	4177397.7,	19.2,	19.2,	0.0);
(639219.1,	4177420.4,	18.6,	18.6,	0.0);	(639263.7,	4177443.1,	18.8,	18.8,	0.0);
(639308.2,	4177465.8,	18.7,	18.7,	0.0);	(639352.8,	4177488.5,	18.2,	18.2,	0.0);
(639397.3,	4177511.2,	18.2,	18.2,	0.0);	(639441.9,	4177533.9,	18.3,	18.3,	0.0);
(639486.4,	4177556.6,	18.3,	18.3,	0.0);	(639172.6,	4177354.7,	19.1,	19.1,	0.0);
(639217.1,	4177377.4,	19.1,	19.1,	0.0);	(639261.7,	4177400.1,	19.0,	19.0,	0.0);
(639306.2,	4177422.8,	18.5,	18.5,	0.0);	(639350.8,	4177445.5,	18.0,	18.0,	0.0);
(639395.3,	4177468.2,	18.3,	18.3,	0.0);	(639439.9,	4177490.9,	18.1,	18.1,	0.0);
(639484.4,	4177513.6,	17.6,	17.6,	0.0);	(639184.7,	4177323.1,	19.6,	19.6,	0.0);
(639229.2,	4177345.8,	18.8,	18.8,	0.0);	(639273.8,	4177368.5,	18.7,	18.7,	0.0);
(639318.3,	4177391.2,	19.0,	19.0,	0.0);	(639362.9,	4177413.9,	18.4,	18.4,	0.0);
(639407.4,	4177436.6,	18.4,	18.4,	0.0);	(639452.0,	4177459.3,	18.0,	18.0,	0.0);
(639496.5,	4177482.0,	18.4,	18.4,	0.0);	(643024.0,	4179439.0,	10.0,	10.0,	0.0);
(643141.0,	4179491.0,	9.8,	9.8,	0.0);	(643228.0,	4179455.0,	9.6,	9.6,	0.0);
(643205.0,	4179517.0,	9.6,	9.6,	0.0);	(643271.0,	4179570.0,	9.1,	9.1,	0.0);
(643279.0,	4179643.0,	8.4,	8.4,	0.0);	(643343.0,	4179679.0,	8.4,	8.4,	0.0);
(643365.0,	4179689.0,	8.1,	8.1,	0.0);	(643324.0,	4179605.0,	8.3,	8.3,	0.0);
(643265.9,	4179527.1,	9.4,	9.4,	0.0);	(643583.0,	4179780.0,	7.1,	7.1,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(643231.0,	4179762.0,	8.3,	8.3,	0.0);	(643228.0,	4179817.0,	7.8,	7.8,	0.0);
(643140.0,	4179814.0,	8.2,	8.2,	0.0);	(643354.0,	4179819.0,	7.7,	7.7,	0.0);
(642874.0,	4179802.0,	8.8,	8.8,	0.0);	(643359.0,	4179624.0,	8.2,	8.2,	0.0);
(643386.0,	4179638.0,	8.1,	8.1,	0.0);	(643407.0,	4179598.0,	8.2,	8.2,	0.0);
(643430.0,	4179529.0,	8.9,	8.9,	0.0);	(643426.0,	4179722.0,	8.1,	8.1,	0.0);
(643472.0,	4179745.0,	7.7,	7.7,	0.0);	(643432.0,	4179669.0,	7.9,	7.9,	0.0);
(643484.0,	4179692.0,	7.7,	7.7,	0.0);	(643472.0,	4179637.0,	7.7,	7.7,	0.0);
(642871.0,	4179938.0,	8.4,	8.4,	0.0);	(643366.0,	4180043.0,	8.1,	8.1,	0.0);
(643463.0,	4180039.0,	8.2,	8.2,	0.0);	(643364.0,	4179892.0,	7.4,	7.4,	0.0);
(643026.0,	4179884.0,	8.6,	8.6,	0.0);	(642910.0,	4179882.0,	9.2,	9.2,	0.0);
(638753.0,	4177367.0,	19.2,	19.2,	0.0);	(638775.0,	4177366.0,	19.2,	19.2,	0.0);
(638787.0,	4177366.0,	19.1,	19.1,	0.0);	(638802.0,	4177355.0,	19.2,	19.2,	0.0);
(638814.0,	4177355.0,	19.3,	19.3,	0.0);	(638829.0,	4177355.0,	19.3,	19.3,	0.0);
(638748.0,	4177323.0,	19.2,	19.2,	0.0);	(638763.0,	4177323.0,	19.2,	19.2,	0.0);
(638775.0,	4177317.0,	19.1,	19.1,	0.0);	(638760.0,	4177308.0,	19.4,	19.4,	0.0);
(638750.0,	4177301.0,	19.4,	19.4,	0.0);	(638774.0,	4177305.0,	19.3,	19.3,	0.0);
(638786.0,	4177300.0,	19.2,	19.2,	0.0);	(638800.0,	4177320.0,	19.1,	19.1,	0.0);
(638800.0,	4177301.0,	19.3,	19.3,	0.0);	(638815.0,	4177310.0,	19.3,	19.3,	0.0);
(638831.0,	4177311.0,	19.4,	19.4,	0.0);	(638863.0,	4177280.0,	19.4,	19.4,	0.0);
(638771.0,	4177341.0,	19.3,	19.3,	0.0);	(638788.0,	4177342.0,	19.2,	19.2,	0.0);
(638802.0,	4177336.0,	19.2,	19.2,	0.0);	(638827.0,	4177331.0,	19.3,	19.3,	0.0);
(638843.0,	4177341.0,	19.2,	19.2,	0.0);	(638709.0,	4177362.0,	19.2,	19.2,	0.0);
(638708.0,	4177341.0,	19.2,	19.2,	0.0);	(638677.0,	4177358.0,	19.3,	19.3,	0.0);
(638680.0,	4177336.0,	19.2,	19.2,	0.0);	(638659.0,	4177350.0,	19.2,	19.2,	0.0);
(638664.0,	4177333.0,	19.3,	19.3,	0.0);	(638641.0,	4177342.0,	19.5,	19.5,	0.0);
(638700.0,	4177299.0,	19.4,	19.4,	0.0);	(638712.0,	4177306.0,	19.3,	19.3,	0.0);
(638684.0,	4177316.0,	19.2,	19.2,	0.0);	(638675.0,	4177297.0,	19.6,	19.6,	0.0);
(638651.0,	4177304.0,	19.8,	19.8,	0.0);	(638659.0,	4177290.0,	19.9,	19.9,	0.0);

```
                                                *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                                 (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1

               NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.


                                      *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                                              (METERS/SEC)

                                                   1.54,   3.09,   5.14,   8.23,  10.80,
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08 Met Version: 16216
Profile file: ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08
Surface format: FREE
Profile format: FREE
Surface station no.: 99008 Upper air station no.: 66666
Name: UNKNOWN Name: UNKNOWN
Year: 2004 Year: 2004

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
04	01	01	1	01	-27.4	0.258	-9.000	-9.000	-999.	315.	55.9	0.09	0.77	1.00	4.10	151.	14.0	282.0	2.0
04	01	01	1	02	-33.4	0.328	-9.000	-9.000	-999.	450.	93.2	0.11	0.77	1.00	4.60	148.	14.0	282.0	2.0
04	01	01	1	03	-42.0	0.432	-9.000	-9.000	-999.	682.	170.4	0.11	0.77	1.00	5.70	144.	14.0	281.8	2.0
04	01	01	1	04	-40.3	0.482	-9.000	-9.000	-999.	801.	245.0	0.11	0.77	1.00	6.20	143.	14.0	281.6	2.0
04	01	01	1	05	-29.6	0.534	-9.000	-9.000	-999.	935.	454.9	0.11	0.77	1.00	6.70	143.	14.0	281.5	2.0
04	01	01	1	06	-32.0	0.576	-9.000	-9.000	-999.	1049.	529.7	0.11	0.77	1.00	7.20	142.	14.0	281.4	2.0
04	01	01	1	07	-34.4	0.619	-9.000	-9.000	-999.	1166.	609.6	0.11	0.77	1.00	7.70	135.	14.0	281.2	2.0
04	01	01	1	08	-36.6	0.661	-9.000	-9.000	-999.	1287.	697.1	0.11	0.77	0.73	8.20	143.	14.0	281.2	2.0
04	01	01	1	09	7.0	0.717	0.238	0.005	68.	1454.	-4692.4	0.11	0.77	0.39	8.70	137.	14.0	281.5	2.0
04	01	01	1	10	43.3	0.655	0.675	0.005	251.	1280.	-574.5	0.09	0.77	0.27	8.20	151.	14.0	282.1	2.0
04	01	01	1	11	70.4	0.549	0.930	0.005	405.	989.	-207.5	0.09	0.77	0.23	6.70	164.	14.0	283.1	2.0
04	01	01	1	12	90.7	0.480	1.217	0.005	703.	804.	-107.8	0.09	0.77	0.21	5.70	166.	14.0	284.1	2.0
04	01	01	1	13	92.9	0.395	1.327	0.005	891.	602.	-58.8	0.08	0.77	0.21	4.60	183.	14.0	284.9	2.0
04	01	01	1	14	81.1	0.321	1.332	0.005	1031.	440.	-36.0	0.08	0.77	0.22	3.60	189.	14.0	285.2	2.0
04	01	01	1	15	47.5	0.160	1.139	0.005	1104.	174.	-7.6	0.08	0.77	0.26	1.50	192.	14.0	284.5	2.0
04	01	01	1	16	19.1	0.076	0.847	0.005	1130.	56.	-2.0	0.12	0.77	0.34	0.50	54.	14.0	283.5	2.0
04	01	01	1	17	-2.6	0.061	-9.000	-9.000	-999.	36.	7.7	0.10	0.77	0.59	1.50	341.	14.0	283.1	2.0
04	01	01	1	18	-3.0	0.061	-9.000	-9.000	-999.	37.	6.9	0.11	0.77	1.00	1.50	307.	14.0	282.2	2.0
04	01	01	1	19	-9.1	0.106	-9.000	-9.000	-999.	83.	11.5	0.10	0.77	1.00	2.60	284.	14.0	281.2	2.0
04	01	01	1	20	-22.1	0.207	-9.000	-9.000	-999.	226.	35.6	0.10	0.77	1.00	3.60	267.	14.0	280.4	2.0
04	01	01	1	21	-28.4	0.265	-9.000	-9.000	-999.	327.	58.1	0.10	0.77	1.00	4.10	260.	14.0	279.8	2.0
04	01	01	1	22	-33.8	0.315	-9.000	-9.000	-999.	424.	82.1	0.10	0.77	1.00	4.60	262.	14.0	279.4	2.0
04	01	01	1	23	-33.9	0.315	-9.000	-9.000	-999.	424.	82.0	0.10	0.77	1.00	4.60	250.	14.0	279.2	2.0
04	01	01	1	24	-28.5	0.264	-9.000	-9.000	-999.	327.	57.9	0.10	0.77	1.00	4.10	240.	14.0	279.0	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
04	01	01	01	14.0	1	151.	4.10	282.1	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TRACYV1_PFM , STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
638029.62	4177174.37	0.00001	638074.17	4177197.07	0.00001
638118.72	4177219.76	0.00002	638163.27	4177242.46	0.00002
638207.82	4177265.16	0.00002	638252.38	4177287.86	0.00002
638296.93	4177310.56	0.00003	638341.48	4177333.26	0.00003
638386.03	4177355.96	0.00004	638430.58	4177378.66	0.00005
638475.13	4177401.36	0.00006	638519.68	4177424.06	0.00008
638564.23	4177446.76	0.00011	638742.43	4177537.56	0.00072
638786.98	4177560.26	0.00038	638831.53	4177582.96	0.00022
638876.08	4177605.66	0.00015	638920.63	4177628.36	0.00012
638965.18	4177651.06	0.00011	639009.73	4177673.76	0.00010
639054.28	4177696.45	0.00008	639098.83	4177719.15	0.00008
637986.69	4177358.11	0.00001	638031.24	4177380.81	0.00002
638075.80	4177403.51	0.00002	638120.35	4177426.21	0.00002
638164.90	4177448.91	0.00002	638209.45	4177471.61	0.00003
638254.00	4177494.31	0.00003	638298.55	4177517.01	0.00004
638343.10	4177539.71	0.00004	638387.65	4177562.41	0.00005
638432.20	4177585.11	0.00006	638476.75	4177607.81	0.00008
638521.30	4177630.51	0.00011	638565.85	4177653.21	0.00014
638610.40	4177675.91	0.00016	638654.95	4177698.61	0.00016
638699.50	4177721.31	0.00014	638744.05	4177744.01	0.00012
638788.60	4177766.71	0.00010	638833.15	4177789.41	0.00008
638877.70	4177812.10	0.00007	638922.25	4177834.80	0.00006
638966.80	4177857.50	0.00005	639011.35	4177880.20	0.00005
638015.73	4177306.93	0.00001	638060.28	4177329.63	0.00002
638104.83	4177352.33	0.00002	638149.39	4177375.03	0.00002
638193.94	4177397.73	0.00002	638238.49	4177420.43	0.00003
638283.04	4177443.13	0.00003	638327.59	4177465.83	0.00004
638372.14	4177488.53	0.00004	638416.69	4177511.23	0.00006
638550.34	4177579.33	0.00012	638594.89	4177602.03	0.00017
638639.44	4177624.73	0.00021	638683.99	4177647.43	0.00022
638728.54	4177670.13	0.00018	638773.09	4177692.83	0.00014
638817.64	4177715.53	0.00011	638862.19	4177738.23	0.00009
638906.74	4177760.93	0.00007	638951.29	4177783.62	0.00006
638995.84	4177806.32	0.00006	639040.39	4177829.02	0.00005
639084.94	4177851.72	0.00005	638019.20	4177235.43	0.00001
638063.75	4177258.13	0.00002	638108.30	4177280.82	0.00002
638152.85	4177303.52	0.00002	638197.40	4177326.22	0.00002
638241.96	4177348.92	0.00002	638286.51	4177371.62	0.00003
638331.06	4177394.32	0.00004	638375.61	4177417.02	0.00004
638420.16	4177439.72	0.00005	638464.71	4177462.42	0.00007

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TRACYV1_PFM , STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
638642.91	4177553.22	0.00026	638687.46	4177575.92	0.00036
638732.01	4177598.62	0.00032	638776.56	4177621.32	0.00021
638821.11	4177644.02	0.00015	638865.66	4177666.72	0.00011
638910.21	4177689.42	0.00009	638954.76	4177712.12	0.00008
638999.31	4177734.82	0.00007	639043.86	4177757.51	0.00006
639088.41	4177780.21	0.00006	639132.96	4177802.91	0.00005
639177.51	4177825.61	0.00005	637989.88	4177442.95	0.00002
638034.44	4177465.65	0.00002	638078.99	4177488.35	0.00002
638123.54	4177511.05	0.00002	638168.09	4177533.75	0.00002
638212.64	4177556.45	0.00003	638257.19	4177579.15	0.00003
638301.74	4177601.85	0.00004	638346.29	4177624.55	0.00005
638390.84	4177647.25	0.00006	638435.39	4177669.95	0.00007
638479.94	4177692.65	0.00009	638524.49	4177715.35	0.00010
638569.04	4177738.05	0.00011	638613.59	4177760.75	0.00012
638658.14	4177783.45	0.00011	638702.69	4177806.15	0.00010
638747.24	4177828.85	0.00008	638791.79	4177851.55	0.00007
638836.34	4177874.24	0.00006	638880.89	4177896.94	0.00005
638925.44	4177919.64	0.00005	638969.99	4177942.34	0.00004
638126.00	4176975.00	0.00001	638173.00	4176912.00	0.00001
638223.00	4176912.00	0.00001	638273.00	4176912.00	0.00001
638323.00	4176912.00	0.00001	638173.00	4176962.00	0.00001
638223.00	4176962.00	0.00001	638273.00	4176962.00	0.00001
638323.00	4176962.00	0.00002	638173.00	4177012.00	0.00001
638223.00	4177012.00	0.00001	638273.00	4177012.00	0.00002
638323.00	4177012.00	0.00002	638173.00	4177062.00	0.00001
638223.00	4177062.00	0.00002	638273.00	4177062.00	0.00002
638323.00	4177062.00	0.00002	638173.00	4177112.00	0.00002
638223.00	4177112.00	0.00002	638273.00	4177112.00	0.00002
638323.00	4177112.00	0.00002	638273.00	4177162.00	0.00002
638323.00	4177162.00	0.00002	638357.00	4176916.00	0.00002
638357.00	4176916.00	0.00002	638407.00	4176916.00	0.00002
638557.00	4176916.00	0.00002	638607.00	4176916.00	0.00002
638707.00	4176916.00	0.00003	638357.00	4176966.00	0.00002
638407.00	4176966.00	0.00002	638557.00	4176966.00	0.00002
638607.00	4176966.00	0.00003	638707.00	4176966.00	0.00003
638357.00	4177016.00	0.00002	638407.00	4177016.00	0.00002
638457.00	4177016.00	0.00002	638507.00	4177016.00	0.00003
638557.00	4177016.00	0.00003	638607.00	4177016.00	0.00003
638707.00	4177016.00	0.00004	638357.00	4177066.00	0.00002
638407.00	4177066.00	0.00002	638457.00	4177066.00	0.00003

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TRACYV1_PFM , STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
638507.00	4177066.00	0.00003	638557.00	4177066.00	0.00003
638607.00	4177066.00	0.00004	638657.00	4177066.00	0.00004
638707.00	4177066.00	0.00004	638757.00	4177066.00	0.00005
638807.00	4177066.00	0.00006	638857.00	4177066.00	0.00007
638907.00	4177066.00	0.00008	638357.00	4177116.00	0.00002
638407.00	4177116.00	0.00003	638457.00	4177116.00	0.00003
638507.00	4177116.00	0.00003	638557.00	4177116.00	0.00004
638607.00	4177116.00	0.00004	638657.00	4177116.00	0.00005
638707.00	4177116.00	0.00006	638757.00	4177116.00	0.00006
638807.00	4177116.00	0.00008	638857.00	4177116.00	0.00009
638907.00	4177116.00	0.00011	638357.00	4177166.00	0.00003
638407.00	4177166.00	0.00003	638457.00	4177166.00	0.00003
638507.00	4177166.00	0.00004	638557.00	4177166.00	0.00004
638607.00	4177166.00	0.00005	638657.00	4177166.00	0.00006
638707.00	4177166.00	0.00007	638757.00	4177166.00	0.00008
638807.00	4177166.00	0.00010	638857.00	4177166.00	0.00013
638907.00	4177166.00	0.00015	638357.00	4177216.00	0.00003
638407.00	4177216.00	0.00003	638457.00	4177216.00	0.00004
638507.00	4177216.00	0.00004	638557.00	4177216.00	0.00005
638607.00	4177216.00	0.00006	638657.00	4177216.00	0.00007
638707.00	4177216.00	0.00009	638757.00	4177216.00	0.00011
638807.00	4177216.00	0.00014	638857.00	4177216.00	0.00018
638907.00	4177216.00	0.00022	638457.00	4177266.00	0.00004
638507.00	4177266.00	0.00005	638557.00	4177266.00	0.00006
638607.00	4177266.00	0.00008	638657.00	4177266.00	0.00010
638707.00	4177266.00	0.00012	638757.00	4177266.00	0.00015
638807.00	4177266.00	0.00021	638857.00	4177266.00	0.00029
638557.00	4177316.00	0.00007	639133.00	4177457.00	0.00030
639132.00	4177413.00	0.00030	639130.00	4177375.00	0.00029
639128.00	4177332.00	0.00026	639140.12	4177300.40	0.00023
639177.55	4177479.70	0.00024	639222.10	4177502.40	0.00020
639266.65	4177525.10	0.00016	639311.20	4177547.80	0.00014
639355.75	4177570.50	0.00012	639400.30	4177593.20	0.00010
639444.85	4177615.90	0.00009	639176.55	4177435.70	0.00025
639221.10	4177458.40	0.00021	639265.65	4177481.10	0.00018
639310.20	4177503.80	0.00015	639354.75	4177526.50	0.00013
639399.30	4177549.20	0.00011	639443.85	4177571.90	0.00010
639488.40	4177594.60	0.00008	639174.55	4177397.70	0.00025
639219.10	4177420.40	0.00022	639263.65	4177443.10	0.00019
639308.20	4177465.80	0.00016	639352.75	4177488.50	0.00014

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TRACYV1_PFM , STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
639397.30	4177511.20	0.00012	639441.85	4177533.90	0.00010
639486.40	4177556.60	0.00009	639172.55	4177354.70	0.00024
639217.10	4177377.40	0.00021	639261.65	4177400.10	0.00019
639306.20	4177422.80	0.00016	639350.75	4177445.50	0.00014
639395.30	4177468.20	0.00013	639439.85	4177490.90	0.00011
639484.40	4177513.60	0.00010	639184.67	4177323.10	0.00021
639229.22	4177345.80	0.00019	639273.77	4177368.50	0.00018
639318.32	4177391.20	0.00016	639362.87	4177413.90	0.00014
639407.42	4177436.60	0.00012	639451.97	4177459.30	0.00011
639496.52	4177482.00	0.00010	643024.00	4179439.00	0.00000
643141.00	4179491.00	0.00000	643228.00	4179455.00	0.00000
643205.00	4179517.00	0.00000	643271.00	4179570.00	0.00000
643279.00	4179643.00	0.00000	643343.00	4179679.00	0.00000
643365.00	4179689.00	0.00000	643324.00	4179605.00	0.00000
643265.94	4179527.10	0.00000	643583.00	4179780.00	0.00000
643231.00	4179762.00	0.00000	643228.00	4179817.00	0.00000
643140.00	4179814.00	0.00000	643354.00	4179819.00	0.00000
642874.00	4179802.00	0.00000	643359.00	4179624.00	0.00000
643386.00	4179638.00	0.00000	643407.00	4179598.00	0.00000
643430.00	4179529.00	0.00000	643426.00	4179722.00	0.00000
643472.00	4179745.00	0.00000	643432.00	4179669.00	0.00000
643484.00	4179692.00	0.00000	643472.00	4179637.00	0.00000
642871.00	4179938.00	0.00000	643366.00	4180043.00	0.00000
643463.00	4180039.00	0.00000	643364.00	4179892.00	0.00000
643026.00	4179884.00	0.00000	642910.00	4179882.00	0.00000
638753.00	4177367.00	0.00036	638775.00	4177366.00	0.00045
638787.00	4177366.00	0.00053	638802.00	4177355.00	0.00055
638814.00	4177355.00	0.00063	638829.00	4177355.00	0.00073
638748.00	4177323.00	0.00023	638763.00	4177323.00	0.00025
638775.00	4177317.00	0.00027	638760.00	4177308.00	0.00022
638750.00	4177301.00	0.00019	638774.00	4177305.00	0.00024
638786.00	4177300.00	0.00025	638800.00	4177320.00	0.00034
638800.00	4177301.00	0.00028	638815.00	4177310.00	0.00035
638831.00	4177311.00	0.00040	638863.00	4177280.00	0.00034
638771.00	4177341.00	0.00033	638788.00	4177342.00	0.00039
638802.00	4177336.00	0.00042	638827.00	4177331.00	0.00051
638843.00	4177341.00	0.00065	638709.00	4177362.00	0.00024
638708.00	4177341.00	0.00020	638677.00	4177358.00	0.00018
638680.00	4177336.00	0.00016	638659.00	4177350.00	0.00015
638664.00	4177333.00	0.00014	638641.00	4177342.00	0.00013

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TRACYV1_PFM , STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
638700.00	4177299.00	0.00014	638712.00	4177306.00	0.00016
638684.00	4177316.00	0.00015	638675.00	4177297.00	0.00013
638651.00	4177304.00	0.00011	638659.00	4177290.00	0.00011

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00073 AT	(638829.00, 4177355.00, 19.26, 19.26, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00072 AT	(638742.43, 4177537.56, 18.67, 18.67, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00065 AT	(638843.00, 4177341.00, 19.18, 19.18, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00063 AT	(638814.00, 4177355.00, 19.32, 19.32, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00055 AT	(638802.00, 4177355.00, 19.20, 19.20, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00053 AT	(638787.00, 4177366.00, 19.14, 19.14, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00051 AT	(638827.00, 4177331.00, 19.26, 19.26, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00045 AT	(638775.00, 4177366.00, 19.22, 19.22, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00042 AT	(638802.00, 4177336.00, 19.16, 19.16, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00040 AT	(638831.00, 4177311.00, 19.37, 19.37, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   1 Warning Message(s)
A Total of   375 Informational Message(s)

A Total of   43848 Hours Were Processed

A Total of   375 Calm Hours Identified

A Total of   0 Missing Hours Identified (0.00 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
SO W320   41   APPARM: Input Parameter May Be Out-of-Range for Parameter   QS

   ****
   *** AERMOD Finishes Successfully ***
   ****

```
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE Valley Link: Downtown TracyStation V1, 2040 Annual Idling DPM
   TITLETWO Traditional Diesel
   MODELOPT CONC FASTAREA
   AVERTIME ANNUAL
   URBANOPT 4656000 Other_Bay_Area
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL Downtown_Tracy_Station_V1_2040_Idling.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION TRACYV1_PFM  AREAPOLY   638733.989  4177438.033       19.420
** DESCRSRC Downtown Tracy Station Variant 1: Platform
   LOCATION STCK1        POINT      638788.360  4177471.150       19.000
** Source Parameters **
   SRCPARAM TRACYV1_PFM        0.0     3.000         8     0.700
   AREAVERT TRACYV1_PFM  638733.989 4177438.033 638745.324 4177442.638
   AREAVERT TRACYV1_PFM  638744.615 4177445.117 638854.422 4177499.667
   AREAVERT TRACYV1_PFM  638856.901 4177492.936 638748.157 4177438.741
   AREAVERT TRACYV1_PFM  638747.449 4177439.804 638735.051 4177432.720
   SRCPARAM STCK1        0.0000753     4.520   389.100   5.10000     0.550
   URBANSRC ALL

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Scenario 1"
   EMISFACT STCK1        HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED Downtown_Tracy_Station_V1_2040_Idling.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08.SFC
   PROFFILE ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08.PFL
   SURFDATA 99008 2004
   UAIRDATA 66666 2004
   PROFBASE 158.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   PLOTFILE ANNUAL ALL DOWNTOWN_TRACY_STATION_V1_2040_IDLING.AD\Downtown_Tracy_Station_V1_idling_2040_annual_DPM.PLT 31
   SUMMFILE Downtown_Tracy_Station_V1_2040_Idling.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 SO W320      41       APPARM: Input Parameter May Be Out-of-Range for Parameter           QS

 ***********************************
```

```
*** SETUP Finishes Successfully ***
**********************************
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

**Model Is Setup For Calculation of Average CONCentration Values.

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for   2 Source(s),
  for Total of   1 Urban Area(s):
  Urban Population =   4656000.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Full Conversion Assumed for NO2.
        6. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:
        FASTAREA - Use hybrid approach to optimize AREA sources;
                   also applies to LINE sources (formerly TOXICS option)
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 2 Source(s);   1 Source Group(s); and   326 Receptor(s)

               with: 1 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                 and: 0 VOLUME source(s)
                 and: 1 AREA type source(s)
                 and: 0 LINE source(s)
                 and: 0 OPENPIT source(s)
                 and: 0 BUOYANT LINE source(s) with   0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   158.00 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   3.5 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: Downtown_Tracy_Station_V1_2040_Idling.err
**File for Summary of Results: Downtown_Tracy_Station_V1_2040_Idling.sum

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER EMISSION RATE PART. CATS.	(GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
STCK1	0	0.75300E-04	638788.4	4177471.1	19.0	4.52	389.10	5.10	0.55	NO	YES	NO	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
TRACYV1_PFM	0	0.00000E+00	638734.0	4177438.0	19.4	3.00	8	0.70	YES	

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	TRACYV1_PFM , STCK1 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	4656000.	TRACYV1_PFM , STCK1 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = STCK1 ; SOURCE TYPE = POINT :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638029.6,	4177174.4,	20.1,	20.1,	0.0);	(638074.2,	4177197.1,	20.3,	20.3,	0.0);
(638118.7,	4177219.8,	20.1,	20.1,	0.0);	(638163.3,	4177242.5,	20.0,	20.0,	0.0);
(638207.8,	4177265.2,	20.2,	20.2,	0.0);	(638252.4,	4177287.9,	20.3,	20.3,	0.0);
(638296.9,	4177310.6,	20.2,	20.2,	0.0);	(638341.5,	4177333.3,	19.7,	19.7,	0.0);
(638386.0,	4177356.0,	19.4,	19.4,	0.0);	(638430.6,	4177378.7,	19.3,	19.3,	0.0);
(638475.1,	4177401.4,	18.9,	18.9,	0.0);	(638519.7,	4177424.1,	18.6,	18.6,	0.0);
(638564.2,	4177446.8,	18.4,	18.4,	0.0);	(638742.4,	4177537.6,	18.7,	18.7,	0.0);
(638787.0,	4177560.3,	18.4,	18.4,	0.0);	(638831.5,	4177583.0,	17.9,	17.9,	0.0);
(638876.1,	4177605.7,	17.7,	17.7,	0.0);	(638920.6,	4177628.4,	17.8,	17.8,	0.0);
(638965.2,	4177651.1,	17.7,	17.7,	0.0);	(639009.7,	4177673.8,	17.7,	17.7,	0.0);
(639054.3,	4177696.4,	17.2,	17.2,	0.0);	(639098.8,	4177719.1,	17.4,	17.4,	0.0);
(637986.7,	4177358.1,	19.7,	19.7,	0.0);	(638031.2,	4177380.8,	19.5,	19.5,	0.0);
(638075.8,	4177403.5,	19.2,	19.2,	0.0);	(638120.4,	4177426.2,	19.7,	19.7,	0.0);
(638164.9,	4177448.9,	19.6,	19.6,	0.0);	(638209.5,	4177471.6,	19.2,	19.2,	0.0);
(638254.0,	4177494.3,	19.2,	19.2,	0.0);	(638298.6,	4177517.0,	19.0,	19.0,	0.0);
(638343.1,	4177539.7,	19.2,	19.2,	0.0);	(638387.7,	4177562.4,	18.6,	18.6,	0.0);
(638432.2,	4177585.1,	18.7,	18.7,	0.0);	(638476.8,	4177607.8,	18.6,	18.6,	0.0);
(638521.3,	4177630.5,	18.2,	18.2,	0.0);	(638565.9,	4177653.2,	17.8,	17.8,	0.0);
(638610.4,	4177675.9,	17.6,	17.6,	0.0);	(638655.0,	4177698.6,	17.8,	17.8,	0.0);
(638699.5,	4177721.3,	17.3,	17.3,	0.0);	(638744.1,	4177744.0,	17.2,	17.2,	0.0);
(638788.6,	4177766.7,	17.1,	17.1,	0.0);	(638833.2,	4177789.4,	17.0,	17.0,	0.0);
(638877.7,	4177812.1,	16.8,	16.8,	0.0);	(638922.2,	4177834.8,	16.7,	16.7,	0.0);
(638966.8,	4177857.5,	16.5,	16.5,	0.0);	(639011.4,	4177880.2,	16.4,	16.4,	0.0);
(638015.7,	4177306.9,	20.0,	20.0,	0.0);	(638060.3,	4177329.6,	19.8,	19.8,	0.0);
(638104.8,	4177352.3,	19.7,	19.7,	0.0);	(638149.4,	4177375.0,	19.9,	19.9,	0.0);
(638193.9,	4177397.7,	19.8,	19.8,	0.0);	(638238.5,	4177420.4,	19.6,	19.6,	0.0);
(638283.0,	4177443.1,	19.1,	19.1,	0.0);	(638327.6,	4177465.8,	19.3,	19.3,	0.0);
(638372.1,	4177488.5,	19.5,	19.5,	0.0);	(638416.7,	4177511.2,	18.8,	18.8,	0.0);
(638550.3,	4177579.3,	18.3,	18.3,	0.0);	(638594.9,	4177602.0,	18.1,	18.1,	0.0);
(638639.4,	4177624.7,	17.9,	17.9,	0.0);	(638684.0,	4177647.4,	17.8,	17.8,	0.0);
(638728.5,	4177670.1,	17.8,	17.8,	0.0);	(638773.1,	4177692.8,	17.3,	17.3,	0.0);
(638817.6,	4177715.5,	17.2,	17.2,	0.0);	(638862.2,	4177738.2,	17.1,	17.1,	0.0);
(638906.7,	4177760.9,	17.0,	17.0,	0.0);	(638951.3,	4177783.6,	16.9,	16.9,	0.0);
(638995.8,	4177806.3,	16.9,	16.9,	0.0);	(639040.4,	4177829.0,	16.7,	16.7,	0.0);
(639084.9,	4177851.7,	16.7,	16.7,	0.0);	(638019.2,	4177235.4,	19.8,	19.8,	0.0);
(638063.8,	4177258.1,	20.0,	20.0,	0.0);	(638108.3,	4177280.8,	20.0,	20.0,	0.0);
(638152.9,	4177303.5,	20.0,	20.0,	0.0);	(638197.4,	4177326.2,	19.9,	19.9,	0.0);
(638242.0,	4177348.9,	20.1,	20.1,	0.0);	(638286.5,	4177371.6,	19.8,	19.8,	0.0);
(638331.1,	4177394.3,	19.3,	19.3,	0.0);	(638375.6,	4177417.0,	19.3,	19.3,	0.0);
(638420.2,	4177439.7,	19.1,	19.1,	0.0);	(638464.7,	4177462.4,	18.7,	18.7,	0.0);
(638642.9,	4177553.2,	18.5,	18.5,	0.0);	(638687.5,	4177575.9,	18.5,	18.5,	0.0);
(638732.0,	4177598.6,	18.3,	18.3,	0.0);	(638776.6,	4177621.3,	18.1,	18.1,	0.0);
(638821.1,	4177644.0,	17.4,	17.4,	0.0);	(638865.7,	4177666.7,	17.3,	17.3,	0.0);
(638910.2,	4177689.4,	17.3,	17.3,	0.0);	(638954.8,	4177712.1,	17.3,	17.3,	0.0);
(638999.3,	4177734.8,	17.2,	17.2,	0.0);	(639043.9,	4177757.5,	17.0,	17.0,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(639088.4,	4177780.2,	17.3,	17.3,	0.0);	(639133.0,	4177802.9,	17.2,	17.2,	0.0);
(639177.5,	4177825.6,	17.0,	17.0,	0.0);	(637989.9,	4177442.9,	18.9,	18.9,	0.0);
(638034.4,	4177465.6,	19.2,	19.2,	0.0);	(638079.0,	4177488.3,	19.7,	19.7,	0.0);
(638123.5,	4177511.0,	19.6,	19.6,	0.0);	(638168.1,	4177533.8,	19.8,	19.8,	0.0);
(638212.6,	4177556.4,	19.7,	19.7,	0.0);	(638257.2,	4177579.1,	18.4,	18.4,	0.0);
(638301.7,	4177601.8,	18.3,	18.3,	0.0);	(638346.3,	4177624.5,	17.9,	17.9,	0.0);
(638390.8,	4177647.2,	18.3,	18.3,	0.0);	(638435.4,	4177669.9,	18.3,	18.3,	0.0);
(638479.9,	4177692.6,	18.3,	18.3,	0.0);	(638524.5,	4177715.3,	18.2,	18.2,	0.0);
(638569.0,	4177738.0,	18.0,	18.0,	0.0);	(638613.6,	4177760.8,	17.6,	17.6,	0.0);
(638658.1,	4177783.4,	17.5,	17.5,	0.0);	(638702.7,	4177806.1,	17.0,	17.0,	0.0);
(638747.2,	4177828.8,	17.1,	17.1,	0.0);	(638791.8,	4177851.5,	16.9,	16.9,	0.0);
(638836.3,	4177874.2,	16.7,	16.7,	0.0);	(638880.9,	4177896.9,	16.4,	16.4,	0.0);
(638925.4,	4177919.6,	16.3,	16.3,	0.0);	(638970.0,	4177942.3,	16.5,	16.5,	0.0);
(638126.0,	4176975.0,	21.8,	21.8,	0.0);	(638173.0,	4176912.0,	21.7,	21.7,	0.0);
(638223.0,	4176912.0,	21.7,	21.7,	0.0);	(638273.0,	4176912.0,	22.2,	22.2,	0.0);
(638323.0,	4176912.0,	21.9,	21.9,	0.0);	(638173.0,	4176962.0,	21.6,	21.6,	0.0);
(638223.0,	4176962.0,	21.6,	21.6,	0.0);	(638273.0,	4176962.0,	21.5,	21.5,	0.0);
(638323.0,	4176962.0,	21.4,	21.4,	0.0);	(638173.0,	4177012.0,	21.6,	21.6,	0.0);
(638223.0,	4177012.0,	21.6,	21.6,	0.0);	(638273.0,	4177012.0,	21.2,	21.2,	0.0);
(638323.0,	4177012.0,	21.1,	21.1,	0.0);	(638173.0,	4177062.0,	21.4,	21.4,	0.0);
(638223.0,	4177062.0,	21.2,	21.2,	0.0);	(638273.0,	4177062.0,	20.9,	20.9,	0.0);
(638323.0,	4177062.0,	20.8,	20.8,	0.0);	(638173.0,	4177112.0,	20.9,	20.9,	0.0);
(638223.0,	4177112.0,	21.1,	21.1,	0.0);	(638273.0,	4177112.0,	21.0,	21.0,	0.0);
(638323.0,	4177112.0,	20.7,	20.7,	0.0);	(638273.0,	4177162.0,	20.7,	20.7,	0.0);
(638323.0,	4177162.0,	20.5,	20.5,	0.0);	(638357.0,	4176916.0,	21.8,	21.8,	0.0);
(638357.0,	4176916.0,	21.8,	21.8,	0.0);	(638407.0,	4176916.0,	21.9,	21.9,	0.0);
(638557.0,	4176916.0,	21.6,	21.6,	0.0);	(638607.0,	4176916.0,	21.9,	21.9,	0.0);
(638707.0,	4176916.0,	21.4,	21.4,	0.0);	(638357.0,	4176966.0,	21.2,	21.2,	0.0);
(638407.0,	4176966.0,	21.3,	21.3,	0.0);	(638557.0,	4176966.0,	21.4,	21.4,	0.0);
(638607.0,	4176966.0,	21.7,	21.7,	0.0);	(638707.0,	4176966.0,	21.2,	21.2,	0.0);
(638357.0,	4177016.0,	21.0,	21.0,	0.0);	(638407.0,	4177016.0,	20.8,	20.8,	0.0);
(638457.0,	4177016.0,	20.9,	20.9,	0.0);	(638507.0,	4177016.0,	21.0,	21.0,	0.0);
(638557.0,	4177016.0,	21.1,	21.1,	0.0);	(638607.0,	4177016.0,	21.3,	21.3,	0.0);
(638707.0,	4177016.0,	20.8,	20.8,	0.0);	(638357.0,	4177066.0,	20.7,	20.7,	0.0);
(638407.0,	4177066.0,	20.6,	20.6,	0.0);	(638457.0,	4177066.0,	20.6,	20.6,	0.0);
(638507.0,	4177066.0,	20.9,	20.9,	0.0);	(638557.0,	4177066.0,	20.9,	20.9,	0.0);
(638607.0,	4177066.0,	20.9,	20.9,	0.0);	(638657.0,	4177066.0,	20.9,	20.9,	0.0);
(638707.0,	4177066.0,	20.6,	20.6,	0.0);	(638757.0,	4177066.0,	20.2,	20.2,	0.0);
(638807.0,	4177066.0,	20.3,	20.3,	0.0);	(638857.0,	4177066.0,	20.3,	20.3,	0.0);
(638907.0,	4177066.0,	20.5,	20.5,	0.0);	(638357.0,	4177116.0,	20.4,	20.4,	0.0);
(638407.0,	4177116.0,	20.4,	20.4,	0.0);	(638457.0,	4177116.0,	20.4,	20.4,	0.0);
(638507.0,	4177116.0,	20.6,	20.6,	0.0);	(638557.0,	4177116.0,	20.7,	20.7,	0.0);
(638607.0,	4177116.0,	20.6,	20.6,	0.0);	(638657.0,	4177116.0,	20.4,	20.4,	0.0);
(638707.0,	4177116.0,	20.1,	20.1,	0.0);	(638757.0,	4177116.0,	20.1,	20.1,	0.0);
(638807.0,	4177116.0,	19.9,	19.9,	0.0);	(638857.0,	4177116.0,	20.1,	20.1,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	638907.0,	4177116.0,	20.3,	20.3,	0.0);	(	638357.0,	4177166.0,	20.4,	20.4,	0.0);
(	638407.0,	4177166.0,	20.2,	20.2,	0.0);	(	638457.0,	4177166.0,	20.2,	20.2,	0.0);
(	638507.0,	4177166.0,	20.6,	20.6,	0.0);	(	638557.0,	4177166.0,	20.5,	20.5,	0.0);
(	638607.0,	4177166.0,	20.5,	20.5,	0.0);	(	638657.0,	4177166.0,	20.3,	20.3,	0.0);
(	638707.0,	4177166.0,	20.1,	20.1,	0.0);	(	638757.0,	4177166.0,	19.9,	19.9,	0.0);
(	638807.0,	4177166.0,	19.7,	19.7,	0.0);	(	638857.0,	4177166.0,	19.9,	19.9,	0.0);
(	638907.0,	4177166.0,	20.0,	20.0,	0.0);	(	638357.0,	4177216.0,	20.4,	20.4,	0.0);
(	638407.0,	4177216.0,	20.3,	20.3,	0.0);	(	638457.0,	4177216.0,	20.1,	20.1,	0.0);
(	638507.0,	4177216.0,	20.2,	20.2,	0.0);	(	638557.0,	4177216.0,	20.2,	20.2,	0.0);
(	638607.0,	4177216.0,	20.4,	20.4,	0.0);	(	638657.0,	4177216.0,	20.2,	20.2,	0.0);
(	638707.0,	4177216.0,	19.9,	19.9,	0.0);	(	638757.0,	4177216.0,	19.8,	19.8,	0.0);
(	638807.0,	4177216.0,	19.8,	19.8,	0.0);	(	638857.0,	4177216.0,	19.6,	19.6,	0.0);
(	638907.0,	4177216.0,	19.7,	19.7,	0.0);	(	638457.0,	4177266.0,	20.0,	20.0,	0.0);
(	638507.0,	4177266.0,	20.0,	20.0,	0.0);	(	638557.0,	4177266.0,	20.2,	20.2,	0.0);
(	638607.0,	4177266.0,	20.2,	20.2,	0.0);	(	638657.0,	4177266.0,	19.9,	19.9,	0.0);
(	638707.0,	4177266.0,	19.6,	19.6,	0.0);	(	638757.0,	4177266.0,	19.4,	19.4,	0.0);
(	638807.0,	4177266.0,	19.5,	19.5,	0.0);	(	638857.0,	4177266.0,	19.5,	19.5,	0.0);
(	638557.0,	4177316.0,	19.7,	19.7,	0.0);	(	639133.0,	4177457.0,	19.2,	19.2,	0.0);
(	639132.0,	4177413.0,	19.3,	19.3,	0.0);	(	639130.0,	4177375.0,	19.3,	19.3,	0.0);
(	639128.0,	4177332.0,	19.5,	19.5,	0.0);	(	639140.1,	4177300.4,	19.8,	19.8,	0.0);
(	639177.6,	4177479.7,	19.0,	19.0,	0.0);	(	639222.1,	4177502.4,	18.9,	18.9,	0.0);
(	639266.7,	4177525.1,	18.7,	18.7,	0.0);	(	639311.2,	4177547.8,	18.5,	18.5,	0.0);
(	639355.8,	4177570.5,	18.4,	18.4,	0.0);	(	639400.3,	4177593.2,	18.4,	18.4,	0.0);
(	639444.9,	4177615.9,	18.4,	18.4,	0.0);	(	639176.6,	4177435.7,	18.9,	18.9,	0.0);
(	639221.1,	4177458.4,	18.6,	18.6,	0.0);	(	639265.7,	4177481.1,	18.7,	18.7,	0.0);
(	639310.2,	4177503.8,	18.5,	18.5,	0.0);	(	639354.8,	4177526.5,	18.4,	18.4,	0.0);
(	639399.3,	4177549.2,	17.7,	17.7,	0.0);	(	639443.9,	4177571.9,	18.2,	18.2,	0.0);
(	639488.4,	4177594.6,	17.9,	17.9,	0.0);	(	639174.6,	4177397.7,	19.2,	19.2,	0.0);
(	639219.1,	4177420.4,	18.6,	18.6,	0.0);	(	639263.7,	4177443.1,	18.8,	18.8,	0.0);
(	639308.2,	4177465.8,	18.7,	18.7,	0.0);	(	639352.8,	4177488.5,	18.2,	18.2,	0.0);
(	639397.3,	4177511.2,	18.2,	18.2,	0.0);	(	639441.9,	4177533.9,	18.3,	18.3,	0.0);
(	639486.4,	4177556.6,	18.3,	18.3,	0.0);	(	639172.6,	4177354.7,	19.1,	19.1,	0.0);
(	639217.1,	4177377.4,	19.1,	19.1,	0.0);	(	639261.7,	4177400.1,	19.0,	19.0,	0.0);
(	639306.2,	4177422.8,	18.5,	18.5,	0.0);	(	639350.8,	4177445.5,	18.0,	18.0,	0.0);
(	639395.3,	4177468.2,	18.3,	18.3,	0.0);	(	639439.9,	4177490.9,	18.1,	18.1,	0.0);
(	639484.4,	4177513.6,	17.6,	17.6,	0.0);	(	639184.7,	4177323.1,	19.6,	19.6,	0.0);
(	639229.2,	4177345.8,	18.8,	18.8,	0.0);	(	639273.8,	4177368.5,	18.7,	18.7,	0.0);
(	639318.3,	4177391.2,	19.0,	19.0,	0.0);	(	639362.9,	4177413.9,	18.4,	18.4,	0.0);
(	639407.4,	4177436.6,	18.4,	18.4,	0.0);	(	639452.0,	4177459.3,	18.0,	18.0,	0.0);
(	639496.5,	4177482.0,	18.4,	18.4,	0.0);	(	643024.0,	4179439.0,	10.0,	10.0,	0.0);
(	643141.0,	4179491.0,	9.8,	9.8,	0.0);	(	643228.0,	4179455.0,	9.6,	9.6,	0.0);
(	643205.0,	4179517.0,	9.6,	9.6,	0.0);	(	643271.0,	4179570.0,	9.1,	9.1,	0.0);
(	643279.0,	4179643.0,	8.4,	8.4,	0.0);	(	643343.0,	4179679.0,	8.4,	8.4,	0.0);
(	643365.0,	4179689.0,	8.1,	8.1,	0.0);	(	643324.0,	4179605.0,	8.3,	8.3,	0.0);
(	643265.9,	4179527.1,	9.4,	9.4,	0.0);	(	643583.0,	4179780.0,	7.1,	7.1,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(643231.0,	4179762.0,	8.3,	8.3,	0.0);	(643228.0,	4179817.0,	7.8,	7.8,	0.0);
(643140.0,	4179814.0,	8.2,	8.2,	0.0);	(643354.0,	4179819.0,	7.7,	7.7,	0.0);
(642874.0,	4179802.0,	8.8,	8.8,	0.0);	(643359.0,	4179624.0,	8.2,	8.2,	0.0);
(643386.0,	4179638.0,	8.1,	8.1,	0.0);	(643407.0,	4179598.0,	8.2,	8.2,	0.0);
(643430.0,	4179529.0,	8.9,	8.9,	0.0);	(643426.0,	4179722.0,	8.1,	8.1,	0.0);
(643472.0,	4179745.0,	7.7,	7.7,	0.0);	(643432.0,	4179669.0,	7.9,	7.9,	0.0);
(643484.0,	4179692.0,	7.7,	7.7,	0.0);	(643472.0,	4179637.0,	7.7,	7.7,	0.0);
(642871.0,	4179938.0,	8.4,	8.4,	0.0);	(643366.0,	4180043.0,	8.1,	8.1,	0.0);
(643463.0,	4180039.0,	8.2,	8.2,	0.0);	(643364.0,	4179892.0,	7.4,	7.4,	0.0);
(643026.0,	4179884.0,	8.6,	8.6,	0.0);	(642910.0,	4179882.0,	9.2,	9.2,	0.0);
(638753.0,	4177367.0,	19.2,	19.2,	0.0);	(638775.0,	4177366.0,	19.2,	19.2,	0.0);
(638787.0,	4177366.0,	19.1,	19.1,	0.0);	(638802.0,	4177355.0,	19.2,	19.2,	0.0);
(638814.0,	4177355.0,	19.3,	19.3,	0.0);	(638829.0,	4177355.0,	19.3,	19.3,	0.0);
(638748.0,	4177323.0,	19.2,	19.2,	0.0);	(638763.0,	4177323.0,	19.2,	19.2,	0.0);
(638775.0,	4177317.0,	19.1,	19.1,	0.0);	(638760.0,	4177308.0,	19.4,	19.4,	0.0);
(638750.0,	4177301.0,	19.4,	19.4,	0.0);	(638774.0,	4177305.0,	19.3,	19.3,	0.0);
(638786.0,	4177300.0,	19.2,	19.2,	0.0);	(638800.0,	4177320.0,	19.1,	19.1,	0.0);
(638800.0,	4177301.0,	19.3,	19.3,	0.0);	(638815.0,	4177310.0,	19.3,	19.3,	0.0);
(638831.0,	4177311.0,	19.4,	19.4,	0.0);	(638863.0,	4177280.0,	19.4,	19.4,	0.0);
(638771.0,	4177341.0,	19.3,	19.3,	0.0);	(638788.0,	4177342.0,	19.2,	19.2,	0.0);
(638802.0,	4177336.0,	19.2,	19.2,	0.0);	(638827.0,	4177331.0,	19.3,	19.3,	0.0);
(638843.0,	4177341.0,	19.2,	19.2,	0.0);	(638709.0,	4177362.0,	19.2,	19.2,	0.0);
(638708.0,	4177341.0,	19.2,	19.2,	0.0);	(638677.0,	4177358.0,	19.3,	19.3,	0.0);
(638680.0,	4177336.0,	19.2,	19.2,	0.0);	(638659.0,	4177350.0,	19.2,	19.2,	0.0);
(638664.0,	4177333.0,	19.3,	19.3,	0.0);	(638641.0,	4177342.0,	19.5,	19.5,	0.0);
(638700.0,	4177299.0,	19.4,	19.4,	0.0);	(638712.0,	4177306.0,	19.3,	19.3,	0.0);
(638684.0,	4177316.0,	19.2,	19.2,	0.0);	(638675.0,	4177297.0,	19.6,	19.6,	0.0);
(638651.0,	4177304.0,	19.8,	19.8,	0.0);	(638659.0,	4177290.0,	19.9,	19.9,	0.0);

```
                                        *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                           (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1

               NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.


                              *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                                        (METERS/SEC)

                                            1.54,   3.09,   5.14,   8.23,  10.80,
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08 Met Version: 16216
Profile file: ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08
Surface format: FREE
Profile format: FREE
Surface station no.: 99008 Upper air station no.: 66666
Name: UNKNOWN Name: UNKNOWN
Year: 2004 Year: 2004

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
04	01	01	1	01	-27.4	0.258	-9.000	-9.000	-999.	315.	55.9	0.09	0.77	1.00	4.10	151.	14.0	282.0	2.0
04	01	01	1	02	-33.4	0.328	-9.000	-9.000	-999.	450.	93.2	0.11	0.77	1.00	4.60	148.	14.0	282.0	2.0
04	01	01	1	03	-42.0	0.432	-9.000	-9.000	-999.	682.	170.4	0.11	0.77	1.00	5.70	144.	14.0	281.8	2.0
04	01	01	1	04	-40.3	0.482	-9.000	-9.000	-999.	801.	245.0	0.11	0.77	1.00	6.20	143.	14.0	281.6	2.0
04	01	01	1	05	-29.6	0.534	-9.000	-9.000	-999.	935.	454.9	0.11	0.77	1.00	6.70	143.	14.0	281.5	2.0
04	01	01	1	06	-32.0	0.576	-9.000	-9.000	-999.	1049.	529.7	0.11	0.77	1.00	7.20	142.	14.0	281.4	2.0
04	01	01	1	07	-34.4	0.619	-9.000	-9.000	-999.	1166.	609.6	0.11	0.77	1.00	7.70	135.	14.0	281.2	2.0
04	01	01	1	08	-36.6	0.661	-9.000	-9.000	-999.	1287.	697.1	0.11	0.77	0.73	8.20	143.	14.0	281.2	2.0
04	01	01	1	09	7.0	0.717	0.238	0.005	68.	1454.	-4692.4	0.11	0.77	0.39	8.70	137.	14.0	281.5	2.0
04	01	01	1	10	43.3	0.655	0.675	0.005	251.	1280.	-574.5	0.09	0.77	0.27	8.20	151.	14.0	282.1	2.0
04	01	01	1	11	70.4	0.549	0.930	0.005	405.	989.	-207.5	0.09	0.77	0.23	6.70	164.	14.0	283.1	2.0
04	01	01	1	12	90.7	0.480	1.217	0.005	703.	804.	-107.8	0.09	0.77	0.21	5.70	166.	14.0	284.1	2.0
04	01	01	1	13	92.9	0.395	1.327	0.005	891.	602.	-58.8	0.08	0.77	0.21	4.60	183.	14.0	284.9	2.0
04	01	01	1	14	81.1	0.321	1.332	0.005	1031.	440.	-36.0	0.08	0.77	0.22	3.60	189.	14.0	285.2	2.0
04	01	01	1	15	47.5	0.160	1.139	0.005	1104.	174.	-7.6	0.08	0.77	0.26	1.50	192.	14.0	284.5	2.0
04	01	01	1	16	19.1	0.076	0.847	0.005	1130.	56.	-2.0	0.12	0.77	0.34	0.50	54.	14.0	283.5	2.0
04	01	01	1	17	-2.6	0.061	-9.000	-9.000	-999.	36.	7.7	0.10	0.77	0.59	1.50	341.	14.0	283.1	2.0
04	01	01	1	18	-3.0	0.061	-9.000	-9.000	-999.	37.	6.9	0.11	0.77	1.00	1.50	307.	14.0	282.2	2.0
04	01	01	1	19	-9.1	0.106	-9.000	-9.000	-999.	83.	11.5	0.10	0.77	1.00	2.60	284.	14.0	281.2	2.0
04	01	01	1	20	-22.1	0.207	-9.000	-9.000	-999.	226.	35.6	0.10	0.77	1.00	3.60	267.	14.0	280.4	2.0
04	01	01	1	21	-28.4	0.265	-9.000	-9.000	-999.	327.	58.1	0.10	0.77	1.00	4.10	260.	14.0	279.8	2.0
04	01	01	1	22	-33.8	0.315	-9.000	-9.000	-999.	424.	82.1	0.10	0.77	1.00	4.60	262.	14.0	279.4	2.0
04	01	01	1	23	-33.9	0.315	-9.000	-9.000	-999.	424.	82.0	0.10	0.77	1.00	4.60	250.	14.0	279.2	2.0
04	01	01	1	24	-28.5	0.264	-9.000	-9.000	-999.	327.	57.9	0.10	0.77	1.00	4.10	240.	14.0	279.0	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
04	01	01	01	14.0	1	151.	4.10	282.1	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TRACYV1_PFM , STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
638029.62	4177174.37	0.00002	638074.17	4177197.07	0.00002
638118.72	4177219.76	0.00002	638163.27	4177242.46	0.00002
638207.82	4177265.16	0.00002	638252.38	4177287.86	0.00003
638296.93	4177310.56	0.00003	638341.48	4177333.26	0.00004
638386.03	4177355.96	0.00005	638430.58	4177378.66	0.00006
638475.13	4177401.36	0.00007	638519.68	4177424.06	0.00009
638564.23	4177446.76	0.00013	638742.43	4177537.56	0.00084
638786.98	4177560.26	0.00044	638831.53	4177582.96	0.00026
638876.08	4177605.66	0.00018	638920.63	4177628.36	0.00015
638965.18	4177651.06	0.00013	639009.73	4177673.76	0.00011
639054.28	4177696.45	0.00010	639098.83	4177719.15	0.00009
637986.69	4177358.11	0.00002	638031.24	4177380.81	0.00002
638075.80	4177403.51	0.00002	638120.35	4177426.21	0.00002
638164.90	4177448.91	0.00003	638209.45	4177471.61	0.00003
638254.00	4177494.31	0.00003	638298.55	4177517.01	0.00004
638343.10	4177539.71	0.00005	638387.65	4177562.41	0.00006
638432.20	4177585.11	0.00007	638476.75	4177607.81	0.00010
638521.30	4177630.51	0.00013	638565.85	4177653.21	0.00016
638610.40	4177675.91	0.00018	638654.95	4177698.61	0.00019
638699.50	4177721.31	0.00016	638744.05	4177744.01	0.00014
638788.60	4177766.71	0.00011	638833.15	4177789.41	0.00009
638877.70	4177812.10	0.00008	638922.25	4177834.80	0.00007
638966.80	4177857.50	0.00006	639011.35	4177880.20	0.00005
638015.73	4177306.93	0.00002	638060.28	4177329.63	0.00002
638104.83	4177352.33	0.00002	638149.39	4177375.03	0.00002
638193.94	4177397.73	0.00003	638238.49	4177420.43	0.00003
638283.04	4177443.13	0.00004	638327.59	4177465.83	0.00004
638372.14	4177488.53	0.00005	638416.69	4177511.23	0.00006
638550.34	4177579.33	0.00014	638594.89	4177602.03	0.00020
638639.44	4177624.73	0.00025	638683.99	4177647.43	0.00025
638728.54	4177670.13	0.00021	638773.09	4177692.83	0.00016
638817.64	4177715.53	0.00013	638862.19	4177738.23	0.00010
638906.74	4177760.93	0.00009	638951.29	4177783.62	0.00007
638995.84	4177806.32	0.00007	639040.39	4177829.02	0.00006
639084.94	4177851.72	0.00005	638019.20	4177235.43	0.00002
638063.75	4177258.13	0.00002	638108.30	4177280.82	0.00002
638152.85	4177303.52	0.00002	638197.40	4177326.22	0.00003
638241.96	4177348.92	0.00003	638286.51	4177371.62	0.00003
638331.06	4177394.32	0.00004	638375.61	4177417.02	0.00005
638420.16	4177439.72	0.00006	638464.71	4177462.42	0.00008

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TRACYV1_PFM , STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
638642.91	4177553.22	0.00030	638687.46	4177575.92	0.00042
638732.01	4177598.62	0.00037	638776.56	4177621.32	0.00025
638821.11	4177644.02	0.00017	638865.66	4177666.72	0.00013
638910.21	4177689.42	0.00011	638954.76	4177712.12	0.00009
638999.31	4177734.82	0.00008	639043.86	4177757.51	0.00007
639088.41	4177780.21	0.00007	639132.96	4177802.91	0.00006
639177.51	4177825.61	0.00006	637989.88	4177442.95	0.00002
638034.44	4177465.65	0.00002	638078.99	4177488.35	0.00002
638123.54	4177511.05	0.00002	638168.09	4177533.75	0.00003
638212.64	4177556.45	0.00003	638257.19	4177579.15	0.00004
638301.74	4177601.85	0.00004	638346.29	4177624.55	0.00005
638390.84	4177647.25	0.00007	638435.39	4177669.95	0.00008
638479.94	4177692.65	0.00010	638524.49	4177715.35	0.00012
638569.04	4177738.05	0.00013	638613.59	4177760.75	0.00013
638658.14	4177783.45	0.00013	638702.69	4177806.15	0.00011
638747.24	4177828.85	0.00010	638791.79	4177851.55	0.00008
638836.34	4177874.24	0.00007	638880.89	4177896.94	0.00006
638925.44	4177919.64	0.00006	638969.99	4177942.34	0.00005
638126.00	4176975.00	0.00001	638173.00	4176912.00	0.00001
638223.00	4176912.00	0.00001	638273.00	4176912.00	0.00002
638323.00	4176912.00	0.00002	638173.00	4176962.00	0.00001
638223.00	4176962.00	0.00002	638273.00	4176962.00	0.00002
638323.00	4176962.00	0.00002	638173.00	4177012.00	0.00001
638223.00	4177012.00	0.00002	638273.00	4177012.00	0.00002
638323.00	4177012.00	0.00002	638173.00	4177062.00	0.00002
638223.00	4177062.00	0.00002	638273.00	4177062.00	0.00002
638323.00	4177062.00	0.00002	638173.00	4177112.00	0.00002
638223.00	4177112.00	0.00002	638273.00	4177112.00	0.00002
638323.00	4177112.00	0.00002	638273.00	4177162.00	0.00002
638323.00	4177162.00	0.00003	638357.00	4176916.00	0.00002
638357.00	4176916.00	0.00002	638407.00	4176916.00	0.00002
638557.00	4176916.00	0.00002	638607.00	4176916.00	0.00003
638707.00	4176916.00	0.00003	638357.00	4176966.00	0.00002
638407.00	4176966.00	0.00002	638557.00	4176966.00	0.00003
638607.00	4176966.00	0.00003	638707.00	4176966.00	0.00004
638357.00	4177016.00	0.00002	638407.00	4177016.00	0.00002
638457.00	4177016.00	0.00003	638507.00	4177016.00	0.00003
638557.00	4177016.00	0.00003	638607.00	4177016.00	0.00003
638707.00	4177016.00	0.00004	638357.00	4177066.00	0.00002
638407.00	4177066.00	0.00003	638457.00	4177066.00	0.00003

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TRACYV1_PFM , STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
638507.00	4177066.00	0.00003	638557.00	4177066.00	0.00004
638607.00	4177066.00	0.00004	638657.00	4177066.00	0.00005
638707.00	4177066.00	0.00005	638757.00	4177066.00	0.00006
638807.00	4177066.00	0.00007	638857.00	4177066.00	0.00008
638907.00	4177066.00	0.00009	638357.00	4177116.00	0.00003
638407.00	4177116.00	0.00003	638457.00	4177116.00	0.00003
638507.00	4177116.00	0.00004	638557.00	4177116.00	0.00004
638607.00	4177116.00	0.00005	638657.00	4177116.00	0.00006
638707.00	4177116.00	0.00006	638757.00	4177116.00	0.00007
638807.00	4177116.00	0.00009	638857.00	4177116.00	0.00011
638907.00	4177116.00	0.00013	638357.00	4177166.00	0.00003
638407.00	4177166.00	0.00003	638457.00	4177166.00	0.00004
638507.00	4177166.00	0.00004	638557.00	4177166.00	0.00005
638607.00	4177166.00	0.00006	638657.00	4177166.00	0.00007
638707.00	4177166.00	0.00008	638757.00	4177166.00	0.00010
638807.00	4177166.00	0.00012	638857.00	4177166.00	0.00015
638907.00	4177166.00	0.00018	638357.00	4177216.00	0.00003
638407.00	4177216.00	0.00004	638457.00	4177216.00	0.00004
638507.00	4177216.00	0.00005	638557.00	4177216.00	0.00006
638607.00	4177216.00	0.00007	638657.00	4177216.00	0.00009
638707.00	4177216.00	0.00010	638757.00	4177216.00	0.00013
638807.00	4177216.00	0.00016	638857.00	4177216.00	0.00021
638907.00	4177216.00	0.00026	638457.00	4177266.00	0.00005
638507.00	4177266.00	0.00006	638557.00	4177266.00	0.00007
638607.00	4177266.00	0.00009	638657.00	4177266.00	0.00011
638707.00	4177266.00	0.00014	638757.00	4177266.00	0.00018
638807.00	4177266.00	0.00025	638857.00	4177266.00	0.00033
638557.00	4177316.00	0.00009	639133.00	4177457.00	0.00034
639132.00	4177413.00	0.00035	639130.00	4177375.00	0.00033
639128.00	4177332.00	0.00030	639140.12	4177300.40	0.00026
639177.55	4177479.70	0.00028	639222.10	4177502.40	0.00023
639266.65	4177525.10	0.00019	639311.20	4177547.80	0.00016
639355.75	4177570.50	0.00013	639400.30	4177593.20	0.00012
639444.85	4177615.90	0.00010	639176.55	4177435.70	0.00029
639221.10	4177458.40	0.00025	639265.65	4177481.10	0.00021
639310.20	4177503.80	0.00017	639354.75	4177526.50	0.00015
639399.30	4177549.20	0.00013	639443.85	4177571.90	0.00011
639488.40	4177594.60	0.00010	639174.55	4177397.70	0.00029
639219.10	4177420.40	0.00025	639263.65	4177443.10	0.00022
639308.20	4177465.80	0.00019	639352.75	4177488.50	0.00016

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TRACYV1_PFM , STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
639397.30	4177511.20	0.00014	639441.85	4177533.90	0.00012
639486.40	4177556.60	0.00011	639172.55	4177354.70	0.00027
639217.10	4177377.40	0.00025	639261.65	4177400.10	0.00022
639306.20	4177422.80	0.00019	639350.75	4177445.50	0.00017
639395.30	4177468.20	0.00015	639439.85	4177490.90	0.00013
639484.40	4177513.60	0.00011	639184.67	4177323.10	0.00025
639229.22	4177345.80	0.00023	639273.77	4177368.50	0.00020
639318.32	4177391.20	0.00018	639362.87	4177413.90	0.00016
639407.42	4177436.60	0.00015	639451.97	4177459.30	0.00013
639496.52	4177482.00	0.00012	643024.00	4179439.00	0.00000
643141.00	4179491.00	0.00000	643228.00	4179455.00	0.00000
643205.00	4179517.00	0.00000	643271.00	4179570.00	0.00000
643279.00	4179643.00	0.00000	643343.00	4179679.00	0.00000
643365.00	4179689.00	0.00000	643324.00	4179605.00	0.00000
643265.94	4179527.10	0.00000	643583.00	4179780.00	0.00000
643231.00	4179762.00	0.00000	643228.00	4179817.00	0.00000
643140.00	4179814.00	0.00000	643354.00	4179819.00	0.00000
642874.00	4179802.00	0.00000	643359.00	4179624.00	0.00000
643386.00	4179638.00	0.00000	643407.00	4179598.00	0.00000
643430.00	4179529.00	0.00000	643426.00	4179722.00	0.00000
643472.00	4179745.00	0.00000	643432.00	4179669.00	0.00000
643484.00	4179692.00	0.00000	643472.00	4179637.00	0.00000
642871.00	4179938.00	0.00000	643366.00	4180043.00	0.00000
643463.00	4180039.00	0.00000	643364.00	4179892.00	0.00000
643026.00	4179884.00	0.00000	642910.00	4179882.00	0.00000
638753.00	4177367.00	0.00042	638775.00	4177366.00	0.00053
638787.00	4177366.00	0.00061	638802.00	4177355.00	0.00064
638814.00	4177355.00	0.00074	638829.00	4177355.00	0.00085
638748.00	4177323.00	0.00027	638763.00	4177323.00	0.00030
638775.00	4177317.00	0.00031	638760.00	4177308.00	0.00025
638750.00	4177301.00	0.00022	638774.00	4177305.00	0.00027
638786.00	4177300.00	0.00029	638800.00	4177320.00	0.00040
638800.00	4177301.00	0.00033	638815.00	4177310.00	0.00041
638831.00	4177311.00	0.00047	638863.00	4177280.00	0.00040
638771.00	4177341.00	0.00038	638788.00	4177342.00	0.00046
638802.00	4177336.00	0.00049	638827.00	4177331.00	0.00059
638843.00	4177341.00	0.00075	638709.00	4177362.00	0.00028
638708.00	4177341.00	0.00024	638677.00	4177358.00	0.00021
638680.00	4177336.00	0.00019	638659.00	4177350.00	0.00018
638664.00	4177333.00	0.00017	638641.00	4177342.00	0.00015

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TRACYV1_PFM , STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
638700.00	4177299.00	0.00017	638712.00	4177306.00	0.00019
638684.00	4177316.00	0.00017	638675.00	4177297.00	0.00015
638651.00	4177304.00	0.00013	638659.00	4177290.00	0.00013

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00085 AT	(638829.00, 4177355.00, 19.26, 19.26, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00084 AT	(638742.43, 4177537.56, 18.67, 18.67, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00075 AT	(638843.00, 4177341.00, 19.18, 19.18, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00074 AT	(638814.00, 4177355.00, 19.32, 19.32, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00064 AT	(638802.00, 4177355.00, 19.20, 19.20, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00061 AT	(638787.00, 4177366.00, 19.14, 19.14, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00059 AT	(638827.00, 4177331.00, 19.26, 19.26, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00053 AT	(638775.00, 4177366.00, 19.22, 19.22, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00049 AT	(638802.00, 4177336.00, 19.16, 19.16, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00047 AT	(638831.00, 4177311.00, 19.37, 19.37, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   1 Warning Message(s)
A Total of   375 Informational Message(s)

A Total of   43848 Hours Were Processed

A Total of   375 Calm Hours Identified

A Total of   0 Missing Hours Identified (0.00 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
SO W320   41   APPARM: Input Parameter May Be Out-of-Range for Parameter   QS

   ****
   *** AERMOD Finishes Successfully ***
   ****

```
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE Valley Link: Dublin/Pleasanton Station, 2025 Annual Idling DPM
   TITLETWO Traditional Diesel
   MODELOPT CONC FASTAREA
   AVERTIME ANNUAL
   URBANOPT 4656000 Other_Bay_Area
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL Dublin_Pleasanton_Station_2025_idling.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION STCK1        POINT      597025.790  4173298.380      108.310
** Source Parameters **
   SRCPARAM STCK1         0.000129     4.520   389.100   5.10000     0.550
   URBANSRC ALL

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Scenario 1"
   EMISFACT STCK1        HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED Dublin_Pleasanton_Station_2025_idling.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE ..\..\..\..\metdata\PLEASANTON_2010-2015\PLEASANTON_2010-2015.SFC
   PROFFILE ..\..\..\..\metdata\PLEASANTON_2010-2015\PLEASANTON_2010-2015.PFL
   SURFDATA 23285 2010
   UAIRDATA 23230 2010 OAKLAND/WSO_AP
   SITEDATA 1905 2010
   PROFBASE 99.1 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   PLOTFILE ANNUAL ALL DUBLIN_PLEASANTON_STATION_2025_IDLING.AD\Dublin_Pleasanton_Station_idling_2025_annual_DPM.PLT 31
   SUMMFILE Dublin_Pleasanton_Station_2025_idling.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 MX W403      72       PFLCNV: Turbulence data is being used w/o ADJ_U* option       SigA Data
 MX W402      72       PFLCNV: Turbulence data being used with ADJ_U* w/o DFAULT        Option

 ***********************************
 *** SETUP Finishes Successfully ***
 ***********************************
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

**Model Is Setup For Calculation of Average CONCentration Values.

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for   1 Source(s),
  for Total of   1 Urban Area(s):
  Urban Population =   4656000.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Full Conversion Assumed for NO2.
        6. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:
        FASTAREA - Use hybrid approach to optimize AREA sources;
                   also applies to LINE sources (formerly TOXICS option)
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 1 Source(s);   1 Source Group(s); and   154 Receptor(s)

               with: 1 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                 and: 0 VOLUME source(s)
                 and: 0 AREA type source(s)
                 and: 0 LINE source(s)
                 and: 0 OPENPIT source(s)
                 and: 0 BUOYANT LINE source(s) with   0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 15181

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   99.10 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   3.5 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: Dublin_Pleasanton_Station_2025_idling.err
**File for Summary of Results: Dublin_Pleasanton_Station_2025_idling.sum

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
STCK1	0	0.12900E-03	597025.8	4173298.4	108.3	4.52	389.10	5.10	0.55	NO	YES	NO	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	STCK1 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	4656000.	STCK1 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = STCK1 ; SOURCE TYPE = POINT :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(597065.0,	4173420.0,	102.1,	102.1,	0.0);	(597090.0,	4173420.0,	102.5,	102.5,	0.0);
(597115.0,	4173420.0,	102.6,	102.6,	0.0);	(597040.0,	4173445.0,	102.3,	102.3,	0.0);
(597065.0,	4173445.0,	102.5,	102.5,	0.0);	(597090.0,	4173445.0,	102.7,	102.7,	0.0);
(597115.0,	4173445.0,	102.7,	102.7,	0.0);	(597140.0,	4173445.0,	102.4,	102.4,	0.0);
(597015.0,	4173470.0,	102.3,	102.3,	0.0);	(597040.0,	4173470.0,	102.3,	102.3,	0.0);
(597065.0,	4173470.0,	102.2,	102.2,	0.0);	(597115.0,	4173470.0,	102.6,	102.6,	0.0);
(597140.0,	4173470.0,	102.2,	102.2,	0.0);	(597165.0,	4173470.0,	102.6,	102.6,	0.0);
(597015.0,	4173495.0,	102.6,	102.6,	0.0);	(597040.0,	4173495.0,	102.7,	102.7,	0.0);
(597065.0,	4173495.0,	102.5,	102.5,	0.0);	(597115.0,	4173495.0,	102.7,	102.7,	0.0);
(597140.0,	4173495.0,	102.5,	102.5,	0.0);	(597165.0,	4173495.0,	102.8,	102.8,	0.0);
(597190.0,	4173495.0,	102.8,	102.8,	0.0);	(597015.0,	4173520.0,	102.4,	102.4,	0.0);
(597040.0,	4173520.0,	102.5,	102.5,	0.0);	(597065.0,	4173520.0,	102.4,	102.4,	0.0);
(597115.0,	4173520.0,	102.7,	102.7,	0.0);	(597140.0,	4173520.0,	102.3,	102.3,	0.0);
(597165.0,	4173520.0,	102.6,	102.6,	0.0);	(597190.0,	4173520.0,	102.4,	102.4,	0.0);
(597015.0,	4173545.0,	102.6,	102.6,	0.0);	(597040.0,	4173545.0,	102.8,	102.8,	0.0);
(597065.0,	4173545.0,	102.8,	102.8,	0.0);	(597115.0,	4173545.0,	102.9,	102.9,	0.0);
(597140.0,	4173545.0,	102.7,	102.7,	0.0);	(597165.0,	4173545.0,	102.9,	102.9,	0.0);
(597190.0,	4173545.0,	102.8,	102.8,	0.0);	(597015.0,	4173570.0,	102.9,	102.9,	0.0);
(597040.0,	4173570.0,	103.0,	103.0,	0.0);	(597065.0,	4173570.0,	103.1,	103.1,	0.0);
(597115.0,	4173570.0,	103.2,	103.2,	0.0);	(597140.0,	4173570.0,	103.2,	103.2,	0.0);
(597165.0,	4173570.0,	103.1,	103.1,	0.0);	(597190.0,	4173570.0,	103.3,	103.3,	0.0);
(597015.0,	4173595.0,	103.1,	103.1,	0.0);	(597040.0,	4173595.0,	103.1,	103.1,	0.0);
(597065.0,	4173595.0,	103.3,	103.3,	0.0);	(597115.0,	4173595.0,	103.5,	103.5,	0.0);
(597140.0,	4173595.0,	103.4,	103.4,	0.0);	(597165.0,	4173595.0,	103.3,	103.3,	0.0);
(597190.0,	4173595.0,	103.4,	103.4,	0.0);	(597015.0,	4173620.0,	103.0,	103.0,	0.0);
(597040.0,	4173620.0,	103.2,	103.2,	0.0);	(597065.0,	4173620.0,	103.4,	103.4,	0.0);
(597115.0,	4173620.0,	104.1,	104.1,	0.0);	(597140.0,	4173620.0,	103.7,	103.7,	0.0);
(597165.0,	4173620.0,	103.7,	103.7,	0.0);	(597190.0,	4173620.0,	103.5,	103.5,	0.0);
(597015.0,	4173645.0,	102.8,	102.8,	0.0);	(597040.0,	4173645.0,	103.2,	103.2,	0.0);
(597065.0,	4173645.0,	103.5,	103.5,	0.0);	(597115.0,	4173645.0,	104.1,	104.1,	0.0);
(597140.0,	4173645.0,	104.0,	104.0,	0.0);	(597165.0,	4173645.0,	103.6,	103.6,	0.0);
(597190.0,	4173645.0,	103.7,	103.7,	0.0);	(597015.0,	4173670.0,	102.9,	102.9,	0.0);
(597040.0,	4173670.0,	103.4,	103.4,	0.0);	(597065.0,	4173670.0,	103.7,	103.7,	0.0);
(597115.0,	4173670.0,	104.0,	104.0,	0.0);	(597140.0,	4173670.0,	104.0,	104.0,	0.0);
(597165.0,	4173670.0,	103.8,	103.8,	0.0);	(597190.0,	4173670.0,	103.6,	103.6,	0.0);
(597015.0,	4173695.0,	103.1,	103.1,	0.0);	(597040.0,	4173695.0,	103.5,	103.5,	0.0);
(597065.0,	4173695.0,	103.9,	103.9,	0.0);	(597115.0,	4173695.0,	104.1,	104.1,	0.0);
(597140.0,	4173695.0,	104.1,	104.1,	0.0);	(597165.0,	4173695.0,	104.0,	104.0,	0.0);
(597190.0,	4173695.0,	103.8,	103.8,	0.0);	(597015.0,	4173720.0,	103.4,	103.4,	0.0);
(597040.0,	4173720.0,	103.7,	103.7,	0.0);	(597065.0,	4173720.0,	103.9,	103.9,	0.0);
(597115.0,	4173720.0,	104.1,	104.1,	0.0);	(597140.0,	4173720.0,	104.1,	104.1,	0.0);
(597165.0,	4173720.0,	104.2,	104.2,	0.0);	(597190.0,	4173720.0,	104.1,	104.1,	0.0);
(597232.8,	4173605.0,	103.1,	103.1,	0.0);	(597257.8,	4173605.0,	102.9,	102.9,	0.0);
(597282.8,	4173605.0,	102.8,	102.8,	0.0);	(597307.8,	4173605.0,	103.0,	103.0,	0.0);
(597232.8,	4173630.0,	103.4,	103.4,	0.0);	(597257.8,	4173630.0,	103.1,	103.1,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(597282.8,	4173630.0,	103.1,	103.1,	0.0);	(597307.8,	4173630.0,	103.2,	103.2,	0.0);
(597232.8,	4173655.0,	103.4,	103.4,	0.0);	(597257.8,	4173655.0,	103.2,	103.2,	0.0);
(597282.8,	4173655.0,	103.3,	103.3,	0.0);	(597307.8,	4173655.0,	103.4,	103.4,	0.0);
(597232.8,	4173680.0,	103.7,	103.7,	0.0);	(597257.8,	4173680.0,	103.5,	103.5,	0.0);
(597282.8,	4173680.0,	103.6,	103.6,	0.0);	(597307.8,	4173680.0,	103.7,	103.7,	0.0);
(597232.8,	4173705.0,	103.8,	103.8,	0.0);	(597257.8,	4173705.0,	103.7,	103.7,	0.0);
(597282.8,	4173705.0,	103.6,	103.6,	0.0);	(597307.8,	4173705.0,	103.6,	103.6,	0.0);
(597232.8,	4173730.0,	103.9,	103.9,	0.0);	(597257.8,	4173730.0,	103.6,	103.6,	0.0);
(597282.8,	4173730.0,	103.6,	103.6,	0.0);	(597307.8,	4173730.0,	103.5,	103.5,	0.0);
(597232.8,	4173755.0,	103.9,	103.9,	0.0);	(597257.8,	4173755.0,	103.6,	103.6,	0.0);
(597282.8,	4173755.0,	103.7,	103.7,	0.0);	(597307.8,	4173755.0,	103.8,	103.8,	0.0);
(597160.0,	4172930.0,	100.9,	100.9,	0.0);	(597185.0,	4172930.0,	100.7,	100.7,	0.0);
(597210.0,	4172930.0,	100.9,	100.9,	0.0);	(597235.0,	4172930.0,	100.7,	100.7,	0.0);
(597260.0,	4172930.0,	100.6,	100.6,	0.0);	(597285.0,	4172930.0,	100.8,	100.8,	0.0);
(597310.0,	4172930.0,	100.9,	100.9,	0.0);	(597160.0,	4172955.0,	100.7,	100.7,	0.0);
(597185.0,	4172955.0,	100.6,	100.6,	0.0);	(597210.0,	4172955.0,	100.7,	100.7,	0.0);
(597235.0,	4172955.0,	100.7,	100.7,	0.0);	(597260.0,	4172955.0,	100.8,	100.8,	0.0);
(597285.0,	4172955.0,	100.8,	100.8,	0.0);	(597310.0,	4172955.0,	100.8,	100.8,	0.0);
(597160.0,	4172980.0,	100.7,	100.7,	0.0);	(597185.0,	4172980.0,	100.6,	100.6,	0.0);
(597210.0,	4172980.0,	100.6,	100.6,	0.0);	(597235.0,	4172980.0,	100.7,	100.7,	0.0);
(597260.0,	4172980.0,	100.7,	100.7,	0.0);	(597285.0,	4172980.0,	100.6,	100.6,	0.0);
(597310.0,	4172980.0,	100.9,	100.9,	0.0);	(597160.0,	4173005.0,	100.6,	100.6,	0.0);
(597185.0,	4173005.0,	100.5,	100.5,	0.0);	(597210.0,	4173005.0,	100.6,	100.6,	0.0);
(597235.0,	4173005.0,	100.6,	100.6,	0.0);	(597260.0,	4173005.0,	100.8,	100.8,	0.0);
(597285.0,	4173005.0,	100.7,	100.7,	0.0);	(597310.0,	4173005.0,	100.8,	100.8,	0.0);
(597160.0,	4173030.0,	100.7,	100.7,	0.0);	(597185.0,	4173030.0,	100.5,	100.5,	0.0);
(597210.0,	4173030.0,	100.6,	100.6,	0.0);	(597235.0,	4173030.0,	100.7,	100.7,	0.0);
(597260.0,	4173030.0,	100.8,	100.8,	0.0);	(597285.0,	4173030.0,	100.9,	100.9,	0.0);
(597310.0,	4173030.0,	101.0,	101.0,	0.0);	(597160.0,	4173055.0,	101.1,	101.1,	0.0);
(597185.0,	4173055.0,	100.6,	100.6,	0.0);	(597210.0,	4173055.0,	100.8,	100.8,	0.0);
(597235.0,	4173055.0,	100.7,	100.7,	0.0);	(597260.0,	4173055.0,	100.9,	100.9,	0.0);
(597285.0,	4173055.0,	101.0,	101.0,	0.0);	(597310.0,	4173055.0,	101.1,	101.1,	0.0);

```
                                                *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                                   (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1

               NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.


                                      *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                                                 (METERS/SEC)

                                                       1.54,   3.09,   5.14,   8.23,  10.80,
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\..\..\..\metdata\PLEASANTON_2010-2015\PLEASANTON_2010-2015.SFC Met Version: 15181
Profile file: ..\..\..\..\metdata\PLEASANTON_2010-2015\PLEASANTON_2010-2015.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23285 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2010 Year: 2010

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
10	01	01	1	01	-0.8	0.028	-9.000	-9.000	-999.	11.	2.3	0.03	0.99	1.00	0.80	164.	10.0	281.4	6.2
10	01	01	1	02	-2.9	0.055	-9.000	-9.000	-999.	31.	5.3	0.13	0.99	1.00	1.20	250.	10.0	281.4	6.2
10	01	01	1	03	-1.4	0.037	-9.000	-9.000	-999.	17.	3.4	0.08	0.99	1.00	0.90	353.	10.0	281.4	6.2
10	01	01	1	04	-1.1	0.033	-9.000	-9.000	-999.	15.	3.0	0.08	0.99	1.00	0.80	345.	10.0	281.4	6.2
10	01	01	1	05	-1.0	0.035	-9.000	-9.000	-999.	16.	3.8	0.03	0.99	1.00	1.00	156.	10.0	281.0	6.2
10	01	01	1	06	-0.7	0.033	-9.000	-9.000	-999.	14.	4.5	0.14	0.99	1.00	0.70	9.	10.0	281.4	6.2
10	01	01	1	07	-1.3	0.037	-9.000	-9.000	-999.	17.	3.5	0.13	0.99	1.00	0.80	212.	10.0	281.4	6.2
10	01	01	1	08	-0.8	0.031	-9.000	-9.000	-999.	13.	3.4	0.03	0.99	0.75	0.90	194.	10.0	281.4	6.2
10	01	01	1	09	1.0	0.070	0.059	0.010	8.	45.	-32.2	0.03	0.99	0.40	0.90	152.	10.0	281.5	6.2
10	01	01	1	10	7.6	0.126	0.228	0.009	56.	107.	-23.6	0.11	0.99	0.28	1.20	330.	10.0	282.2	6.2
10	01	01	1	11	86.1	0.141	0.845	0.006	253.	127.	-3.0	0.11	0.99	0.23	1.00	319.	10.0	283.4	6.2
10	01	01	1	12	50.9	0.109	0.762	0.005	315.	86.	-2.3	0.13	0.99	0.22	0.70	216.	10.0	285.0	6.2
10	01	01	1	13	104.6	0.161	1.094	0.005	453.	155.	-3.6	0.08	0.99	0.21	1.30	138.	10.0	286.6	6.2
10	01	01	1	14	94.3	0.245	1.142	0.005	570.	290.	-14.0	0.08	0.99	0.22	2.40	149.	10.0	288.4	6.2
10	01	01	1	15	67.0	0.169	1.063	0.005	648.	169.	-6.5	0.08	0.99	0.25	1.50	127.	10.0	288.6	6.2
10	01	01	1	16	2.4	0.107	0.353	0.005	651.	85.	-45.4	0.22	0.99	0.34	0.90	42.	10.0	288.9	6.2
10	01	01	1	17	-1.3	0.042	-9.000	-9.000	-999.	22.	5.2	0.03	0.99	0.58	1.20	158.	10.0	288.8	6.2
10	01	01	1	18	-2.2	0.045	-9.000	-9.000	-999.	23.	3.8	0.03	0.99	1.00	1.30	199.	10.0	287.9	6.2
10	01	01	1	19	-7.4	0.089	-9.000	-9.000	-999.	64.	8.8	0.14	0.99	1.00	1.90	292.	10.0	287.2	6.2
10	01	01	1	20	-1.7	0.049	-9.000	-9.000	-999.	27.	6.4	0.08	0.99	1.00	1.20	149.	10.0	285.8	6.2
10	01	01	1	21	-1.2	0.042	-9.000	-9.000	-999.	20.	5.6	0.22	0.99	1.00	0.80	53.	10.0	285.6	6.2
10	01	01	1	22	-1.1	0.039	-9.000	-9.000	-999.	18.	4.6	0.03	0.99	1.00	1.10	169.	10.0	285.5	6.2
10	01	01	1	23	-2.2	0.054	-9.000	-9.000	-999.	30.	6.3	0.08	0.99	1.00	1.30	131.	10.0	285.4	6.2
10	01	01	1	24	-0.6	0.025	-9.000	-9.000	-999.	9.	2.1	0.03	0.99	1.00	0.70	163.	10.0	284.8	6.2

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
10	01	01	01	6.2	0	-999.	-99.00	281.4	999.0	-99.00	-99.00
10	01	01	01	10.0	1	164.	0.80	-999.0	35.4	-99.00	0.41

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
597065.00	4173420.00	0.00052	597090.00	4173420.00	0.00048
597115.00	4173420.00	0.00047	597040.00	4173445.00	0.00046
597065.00	4173445.00	0.00044	597090.00	4173445.00	0.00041
597115.00	4173445.00	0.00039	597140.00	4173445.00	0.00039
597015.00	4173470.00	0.00040	597040.00	4173470.00	0.00040
597065.00	4173470.00	0.00038	597115.00	4173470.00	0.00034
597140.00	4173470.00	0.00033	597165.00	4173470.00	0.00034
597015.00	4173495.00	0.00036	597040.00	4173495.00	0.00036
597065.00	4173495.00	0.00035	597115.00	4173495.00	0.00031
597140.00	4173495.00	0.00030	597165.00	4173495.00	0.00030
597190.00	4173495.00	0.00030	597015.00	4173520.00	0.00033
597040.00	4173520.00	0.00033	597065.00	4173520.00	0.00032
597115.00	4173520.00	0.00029	597140.00	4173520.00	0.00028
597165.00	4173520.00	0.00027	597190.00	4173520.00	0.00027
597015.00	4173545.00	0.00031	597040.00	4173545.00	0.00031
597065.00	4173545.00	0.00030	597115.00	4173545.00	0.00028
597140.00	4173545.00	0.00026	597165.00	4173545.00	0.00025
597190.00	4173545.00	0.00025	597015.00	4173570.00	0.00030
597040.00	4173570.00	0.00029	597065.00	4173570.00	0.00029
597115.00	4173570.00	0.00026	597140.00	4173570.00	0.00025
597165.00	4173570.00	0.00024	597190.00	4173570.00	0.00023
597015.00	4173595.00	0.00028	597040.00	4173595.00	0.00028
597065.00	4173595.00	0.00027	597115.00	4173595.00	0.00025
597140.00	4173595.00	0.00024	597165.00	4173595.00	0.00023
597190.00	4173595.00	0.00022	597015.00	4173620.00	0.00026
597040.00	4173620.00	0.00026	597065.00	4173620.00	0.00026
597115.00	4173620.00	0.00024	597140.00	4173620.00	0.00023
597165.00	4173620.00	0.00022	597190.00	4173620.00	0.00021
597015.00	4173645.00	0.00025	597040.00	4173645.00	0.00025
597065.00	4173645.00	0.00024	597115.00	4173645.00	0.00023
597140.00	4173645.00	0.00022	597165.00	4173645.00	0.00020
597190.00	4173645.00	0.00020	597015.00	4173670.00	0.00024
597040.00	4173670.00	0.00023	597065.00	4173670.00	0.00023
597115.00	4173670.00	0.00021	597140.00	4173670.00	0.00021
597165.00	4173670.00	0.00020	597190.00	4173670.00	0.00019
597015.00	4173695.00	0.00022	597040.00	4173695.00	0.00022
597065.00	4173695.00	0.00022	597115.00	4173695.00	0.00020
597140.00	4173695.00	0.00020	597165.00	4173695.00	0.00019
597190.00	4173695.00	0.00018	597015.00	4173720.00	0.00021
597040.00	4173720.00	0.00021	597065.00	4173720.00	0.00021

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
597115.00	4173720.00	0.00019	597140.00	4173720.00	0.00019
597165.00	4173720.00	0.00018	597190.00	4173720.00	0.00017
597232.75	4173605.00	0.00020	597257.75	4173605.00	0.00019
597282.75	4173605.00	0.00019	597307.75	4173605.00	0.00019
597232.75	4173630.00	0.00019	597257.75	4173630.00	0.00018
597282.75	4173630.00	0.00018	597307.75	4173630.00	0.00018
597232.75	4173655.00	0.00018	597257.75	4173655.00	0.00017
597282.75	4173655.00	0.00017	597307.75	4173655.00	0.00017
597232.75	4173680.00	0.00017	597257.75	4173680.00	0.00016
597282.75	4173680.00	0.00016	597307.75	4173680.00	0.00016
597232.75	4173705.00	0.00016	597257.75	4173705.00	0.00016
597282.75	4173705.00	0.00015	597307.75	4173705.00	0.00015
597232.75	4173730.00	0.00016	597257.75	4173730.00	0.00015
597282.75	4173730.00	0.00014	597307.75	4173730.00	0.00014
597232.75	4173755.00	0.00015	597257.75	4173755.00	0.00014
597282.75	4173755.00	0.00014	597307.75	4173755.00	0.00013
597160.00	4172930.00	0.00017	597185.00	4172930.00	0.00016
597210.00	4172930.00	0.00016	597235.00	4172930.00	0.00016
597260.00	4172930.00	0.00015	597285.00	4172930.00	0.00014
597310.00	4172930.00	0.00014	597160.00	4172955.00	0.00018
597185.00	4172955.00	0.00017	597210.00	4172955.00	0.00017
597235.00	4172955.00	0.00016	597260.00	4172955.00	0.00016
597285.00	4172955.00	0.00015	597310.00	4172955.00	0.00015
597160.00	4172980.00	0.00019	597185.00	4172980.00	0.00018
597210.00	4172980.00	0.00018	597235.00	4172980.00	0.00017
597260.00	4172980.00	0.00017	597285.00	4172980.00	0.00016
597310.00	4172980.00	0.00015	597160.00	4173005.00	0.00020
597185.00	4173005.00	0.00019	597210.00	4173005.00	0.00019
597235.00	4173005.00	0.00018	597260.00	4173005.00	0.00017
597285.00	4173005.00	0.00017	597310.00	4173005.00	0.00016
597160.00	4173030.00	0.00021	597185.00	4173030.00	0.00021
597210.00	4173030.00	0.00020	597235.00	4173030.00	0.00019
597260.00	4173030.00	0.00019	597285.00	4173030.00	0.00018
597310.00	4173030.00	0.00018	597160.00	4173055.00	0.00023
597185.00	4173055.00	0.00022	597210.00	4173055.00	0.00021
597235.00	4173055.00	0.00021	597260.00	4173055.00	0.00020
597285.00	4173055.00	0.00020	597310.00	4173055.00	0.00019

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)				OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00052 AT	597065.00,	4173420.00,	102.15,	102.15,	0.00)	DC
	2ND HIGHEST VALUE IS	0.00048 AT	597090.00,	4173420.00,	102.50,	102.50,	0.00)	DC
	3RD HIGHEST VALUE IS	0.00047 AT	597115.00,	4173420.00,	102.59,	102.59,	0.00)	DC
	4TH HIGHEST VALUE IS	0.00046 AT	597040.00,	4173445.00,	102.35,	102.35,	0.00)	DC
	5TH HIGHEST VALUE IS	0.00044 AT	597065.00,	4173445.00,	102.51,	102.51,	0.00)	DC
	6TH HIGHEST VALUE IS	0.00041 AT	597090.00,	4173445.00,	102.70,	102.70,	0.00)	DC
	7TH HIGHEST VALUE IS	0.00040 AT	597015.00,	4173470.00,	102.26,	102.26,	0.00)	DC
	8TH HIGHEST VALUE IS	0.00040 AT	597040.00,	4173470.00,	102.29,	102.29,	0.00)	DC
	9TH HIGHEST VALUE IS	0.00039 AT	597115.00,	4173445.00,	102.70,	102.70,	0.00)	DC
	10TH HIGHEST VALUE IS	0.00039 AT	597140.00,	4173445.00,	102.44,	102.44,	0.00)	DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   17 Warning Message(s)
A Total of   892 Informational Message(s)

A Total of   43824 Hours Were Processed

A Total of   218 Calm Hours Identified

A Total of   674 Missing Hours Identified (1.54 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
MX W403   72   PFLCNV: Turbulence data is being used w/o ADJ_U* option   SigA Data
MX W402   72   PFLCNV: Turbulence data being used with ADJ_U* w/o DFAULT   Option
MX W403   1   PFLCNV: Turbulence data is being used w/o ADJ_U* option   SigA Data
MX W441   14167   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081407
MX W441   14168   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081408
MX W441   14169   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081409
MX W441   14170   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081410
MX W441   14171   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081411
MX W441   14172   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081412
MX W441   14173   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081413
MX W441   14174   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081414
MX W441   14175   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081415
MX W441   14176   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081416
MX W441   14177   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081417
MX W441   14178   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081418
MX W450   26305   CHKDAT: Record Out of Sequence in Meteorological File at: 14010101
MX W450   26305   CHKDAT: Record Out of Sequence in Meteorological File at: 1 year gap

   ****
   *** AERMOD Finishes Successfully ***
   ****

```
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE Valley Link: Dublin/Pleasanton Station, 2040 Annual Idling DPM
   TITLETWO Traditional Diesel
   MODELOPT CONC FASTAREA
   AVERTIME ANNUAL
   URBANOPT 4656000 Other_Bay_Area
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL Dublin_Pleasanton_Station_2040_Idling.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION STCK1        POINT      597025.790  4173298.380      108.310
** Source Parameters **
   SRCPARAM STCK1         0.000158     4.520   389.100   5.10000     0.550
   URBANSRC ALL

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Scenario 1"
   EMISFACT STCK1        HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED Dublin_Pleasanton_Station_2040_Idling.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE ..\..\..\..\metdata\PLEASANTON_2010-2015\PLEASANTON_2010-2015.SFC
   PROFFILE ..\..\..\..\metdata\PLEASANTON_2010-2015\PLEASANTON_2010-2015.PFL
   SURFDATA 23285 2010
   UAIRDATA 23230 2010 OAKLAND/WSO_AP
   SITEDATA 1905 2010
   PROFBASE 99.1 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   PLOTFILE ANNUAL ALL DUBLIN_PLEASANTON_STATION_2040_IDLING.AD\Dublin_Pleasanton_Station_idling_2040_annual_DPM.PLT 31
   SUMMFILE Dublin_Pleasanton_Station_2040_Idling.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 MX W403      72       PFLCNV: Turbulence data is being used w/o ADJ_U* option       SigA Data
 MX W402      72       PFLCNV: Turbulence data being used with ADJ_U* w/o DFAULT        Option

 ***********************************
 *** SETUP Finishes Successfully ***
 ***********************************
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

**Model Is Setup For Calculation of Average CONCentration Values.

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for   1 Source(s),
  for Total of   1 Urban Area(s):
  Urban Population =   4656000.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Full Conversion Assumed for NO2.
        6. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:
        FASTAREA - Use hybrid approach to optimize AREA sources;
                   also applies to LINE sources (formerly TOXICS option)
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 1 Source(s);   1 Source Group(s); and   154 Receptor(s)

               with: 1 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                 and: 0 VOLUME source(s)
                 and: 0 AREA type source(s)
                 and: 0 LINE source(s)
                 and: 0 OPENPIT source(s)
                 and: 0 BUOYANT LINE source(s) with   0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 15181

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   99.10 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   3.5 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: Dublin_Pleasanton_Station_2040_Idling.err
**File for Summary of Results: Dublin_Pleasanton_Station_2040_Idling.sum

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
STCK1	0	0.15800E-03	597025.8	4173298.4	108.3	4.52	389.10	5.10	0.55	NO	YES	NO	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	STCK1 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	4656000.	STCK1 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = STCK1 ; SOURCE TYPE = POINT :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	597065.0,	4173420.0,	102.1,	102.1,	0.0);	(	597090.0,	4173420.0,	102.5,	102.5,	0.0);
(	597115.0,	4173420.0,	102.6,	102.6,	0.0);	(	597040.0,	4173445.0,	102.3,	102.3,	0.0);
(	597065.0,	4173445.0,	102.5,	102.5,	0.0);	(	597090.0,	4173445.0,	102.7,	102.7,	0.0);
(	597115.0,	4173445.0,	102.7,	102.7,	0.0);	(	597140.0,	4173445.0,	102.4,	102.4,	0.0);
(	597015.0,	4173470.0,	102.3,	102.3,	0.0);	(	597040.0,	4173470.0,	102.3,	102.3,	0.0);
(	597065.0,	4173470.0,	102.2,	102.2,	0.0);	(	597115.0,	4173470.0,	102.6,	102.6,	0.0);
(	597140.0,	4173470.0,	102.2,	102.2,	0.0);	(	597165.0,	4173470.0,	102.6,	102.6,	0.0);
(	597015.0,	4173495.0,	102.6,	102.6,	0.0);	(	597040.0,	4173495.0,	102.7,	102.7,	0.0);
(	597065.0,	4173495.0,	102.5,	102.5,	0.0);	(	597115.0,	4173495.0,	102.7,	102.7,	0.0);
(	597140.0,	4173495.0,	102.5,	102.5,	0.0);	(	597165.0,	4173495.0,	102.8,	102.8,	0.0);
(	597190.0,	4173495.0,	102.8,	102.8,	0.0);	(	597015.0,	4173520.0,	102.4,	102.4,	0.0);
(	597040.0,	4173520.0,	102.5,	102.5,	0.0);	(	597065.0,	4173520.0,	102.4,	102.4,	0.0);
(	597115.0,	4173520.0,	102.7,	102.7,	0.0);	(	597140.0,	4173520.0,	102.3,	102.3,	0.0);
(	597165.0,	4173520.0,	102.6,	102.6,	0.0);	(	597190.0,	4173520.0,	102.4,	102.4,	0.0);
(	597015.0,	4173545.0,	102.6,	102.6,	0.0);	(	597040.0,	4173545.0,	102.8,	102.8,	0.0);
(	597065.0,	4173545.0,	102.8,	102.8,	0.0);	(	597115.0,	4173545.0,	102.9,	102.9,	0.0);
(	597140.0,	4173545.0,	102.7,	102.7,	0.0);	(	597165.0,	4173545.0,	102.9,	102.9,	0.0);
(	597190.0,	4173545.0,	102.8,	102.8,	0.0);	(	597015.0,	4173570.0,	102.9,	102.9,	0.0);
(	597040.0,	4173570.0,	103.0,	103.0,	0.0);	(	597065.0,	4173570.0,	103.1,	103.1,	0.0);
(	597115.0,	4173570.0,	103.2,	103.2,	0.0);	(	597140.0,	4173570.0,	103.2,	103.2,	0.0);
(	597165.0,	4173570.0,	103.1,	103.1,	0.0);	(	597190.0,	4173570.0,	103.3,	103.3,	0.0);
(	597015.0,	4173595.0,	103.1,	103.1,	0.0);	(	597040.0,	4173595.0,	103.1,	103.1,	0.0);
(	597065.0,	4173595.0,	103.3,	103.3,	0.0);	(	597115.0,	4173595.0,	103.5,	103.5,	0.0);
(	597140.0,	4173595.0,	103.4,	103.4,	0.0);	(	597165.0,	4173595.0,	103.3,	103.3,	0.0);
(	597190.0,	4173595.0,	103.4,	103.4,	0.0);	(	597015.0,	4173620.0,	103.0,	103.0,	0.0);
(	597040.0,	4173620.0,	103.2,	103.2,	0.0);	(	597065.0,	4173620.0,	103.4,	103.4,	0.0);
(	597115.0,	4173620.0,	104.1,	104.1,	0.0);	(	597140.0,	4173620.0,	103.7,	103.7,	0.0);
(	597165.0,	4173620.0,	103.7,	103.7,	0.0);	(	597190.0,	4173620.0,	103.5,	103.5,	0.0);
(	597015.0,	4173645.0,	102.8,	102.8,	0.0);	(	597040.0,	4173645.0,	103.2,	103.2,	0.0);
(	597065.0,	4173645.0,	103.5,	103.5,	0.0);	(	597115.0,	4173645.0,	104.1,	104.1,	0.0);
(	597140.0,	4173645.0,	104.0,	104.0,	0.0);	(	597165.0,	4173645.0,	103.6,	103.6,	0.0);
(	597190.0,	4173645.0,	103.7,	103.7,	0.0);	(	597015.0,	4173670.0,	102.9,	102.9,	0.0);
(	597040.0,	4173670.0,	103.4,	103.4,	0.0);	(	597065.0,	4173670.0,	103.7,	103.7,	0.0);
(	597115.0,	4173670.0,	104.0,	104.0,	0.0);	(	597140.0,	4173670.0,	104.0,	104.0,	0.0);
(	597165.0,	4173670.0,	103.8,	103.8,	0.0);	(	597190.0,	4173670.0,	103.6,	103.6,	0.0);
(	597015.0,	4173695.0,	103.1,	103.1,	0.0);	(	597040.0,	4173695.0,	103.5,	103.5,	0.0);
(	597065.0,	4173695.0,	103.9,	103.9,	0.0);	(	597115.0,	4173695.0,	104.1,	104.1,	0.0);
(	597140.0,	4173695.0,	104.1,	104.1,	0.0);	(	597165.0,	4173695.0,	104.0,	104.0,	0.0);
(	597190.0,	4173695.0,	103.8,	103.8,	0.0);	(	597015.0,	4173720.0,	103.4,	103.4,	0.0);
(	597040.0,	4173720.0,	103.7,	103.7,	0.0);	(	597065.0,	4173720.0,	103.9,	103.9,	0.0);
(	597115.0,	4173720.0,	104.1,	104.1,	0.0);	(	597140.0,	4173720.0,	104.1,	104.1,	0.0);
(	597165.0,	4173720.0,	104.2,	104.2,	0.0);	(	597190.0,	4173720.0,	104.1,	104.1,	0.0);
(	597232.8,	4173605.0,	103.1,	103.1,	0.0);	(	597257.8,	4173605.0,	102.9,	102.9,	0.0);
(	597282.8,	4173605.0,	102.8,	102.8,	0.0);	(	597307.8,	4173605.0,	103.0,	103.0,	0.0);
(	597232.8,	4173630.0,	103.4,	103.4,	0.0);	(	597257.8,	4173630.0,	103.1,	103.1,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(597282.8,	4173630.0,	103.1,	103.1,	0.0);	(597307.8,	4173630.0,	103.2,	103.2,	0.0);
(597232.8,	4173655.0,	103.4,	103.4,	0.0);	(597257.8,	4173655.0,	103.2,	103.2,	0.0);
(597282.8,	4173655.0,	103.3,	103.3,	0.0);	(597307.8,	4173655.0,	103.4,	103.4,	0.0);
(597232.8,	4173680.0,	103.7,	103.7,	0.0);	(597257.8,	4173680.0,	103.5,	103.5,	0.0);
(597282.8,	4173680.0,	103.6,	103.6,	0.0);	(597307.8,	4173680.0,	103.7,	103.7,	0.0);
(597232.8,	4173705.0,	103.8,	103.8,	0.0);	(597257.8,	4173705.0,	103.7,	103.7,	0.0);
(597282.8,	4173705.0,	103.6,	103.6,	0.0);	(597307.8,	4173705.0,	103.6,	103.6,	0.0);
(597232.8,	4173730.0,	103.9,	103.9,	0.0);	(597257.8,	4173730.0,	103.6,	103.6,	0.0);
(597282.8,	4173730.0,	103.6,	103.6,	0.0);	(597307.8,	4173730.0,	103.5,	103.5,	0.0);
(597232.8,	4173755.0,	103.9,	103.9,	0.0);	(597257.8,	4173755.0,	103.6,	103.6,	0.0);
(597282.8,	4173755.0,	103.7,	103.7,	0.0);	(597307.8,	4173755.0,	103.8,	103.8,	0.0);
(597160.0,	4172930.0,	100.9,	100.9,	0.0);	(597185.0,	4172930.0,	100.7,	100.7,	0.0);
(597210.0,	4172930.0,	100.9,	100.9,	0.0);	(597235.0,	4172930.0,	100.7,	100.7,	0.0);
(597260.0,	4172930.0,	100.6,	100.6,	0.0);	(597285.0,	4172930.0,	100.8,	100.8,	0.0);
(597310.0,	4172930.0,	100.9,	100.9,	0.0);	(597160.0,	4172955.0,	100.7,	100.7,	0.0);
(597185.0,	4172955.0,	100.6,	100.6,	0.0);	(597210.0,	4172955.0,	100.7,	100.7,	0.0);
(597235.0,	4172955.0,	100.7,	100.7,	0.0);	(597260.0,	4172955.0,	100.8,	100.8,	0.0);
(597285.0,	4172955.0,	100.8,	100.8,	0.0);	(597310.0,	4172955.0,	100.8,	100.8,	0.0);
(597160.0,	4172980.0,	100.7,	100.7,	0.0);	(597185.0,	4172980.0,	100.6,	100.6,	0.0);
(597210.0,	4172980.0,	100.6,	100.6,	0.0);	(597235.0,	4172980.0,	100.7,	100.7,	0.0);
(597260.0,	4172980.0,	100.7,	100.7,	0.0);	(597285.0,	4172980.0,	100.6,	100.6,	0.0);
(597310.0,	4172980.0,	100.9,	100.9,	0.0);	(597160.0,	4173005.0,	100.6,	100.6,	0.0);
(597185.0,	4173005.0,	100.5,	100.5,	0.0);	(597210.0,	4173005.0,	100.6,	100.6,	0.0);
(597235.0,	4173005.0,	100.6,	100.6,	0.0);	(597260.0,	4173005.0,	100.8,	100.8,	0.0);
(597285.0,	4173005.0,	100.7,	100.7,	0.0);	(597310.0,	4173005.0,	100.8,	100.8,	0.0);
(597160.0,	4173030.0,	100.7,	100.7,	0.0);	(597185.0,	4173030.0,	100.5,	100.5,	0.0);
(597210.0,	4173030.0,	100.6,	100.6,	0.0);	(597235.0,	4173030.0,	100.7,	100.7,	0.0);
(597260.0,	4173030.0,	100.8,	100.8,	0.0);	(597285.0,	4173030.0,	100.9,	100.9,	0.0);
(597310.0,	4173030.0,	101.0,	101.0,	0.0);	(597160.0,	4173055.0,	101.1,	101.1,	0.0);
(597185.0,	4173055.0,	100.6,	100.6,	0.0);	(597210.0,	4173055.0,	100.8,	100.8,	0.0);
(597235.0,	4173055.0,	100.7,	100.7,	0.0);	(597260.0,	4173055.0,	100.9,	100.9,	0.0);
(597285.0,	4173055.0,	101.0,	101.0,	0.0);	(597310.0,	4173055.0,	101.1,	101.1,	0.0);

```
*** MODELOPTs:    NonDFAULT  CONC  ELEV  FASTAREA  URBAN  SigA Data

                                           *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                            (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1

               NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.


                                 *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                                         (METERS/SEC)

                                               1.54,   3.09,   5.14,   8.23,  10.80,
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\..\..\..\metdata\PLEASANTON_2010-2015\PLEASANTON_2010-2015.SFC Met Version: 15181
Profile file: ..\..\..\..\metdata\PLEASANTON_2010-2015\PLEASANTON_2010-2015.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23285 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2010 Year: 2010

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
10	01	01	1	01	-0.8	0.028	-9.000	-9.000	-999.	11.	2.3	0.03	0.99	1.00	0.80	164.	10.0	281.4	6.2
10	01	01	1	02	-2.9	0.055	-9.000	-9.000	-999.	31.	5.3	0.13	0.99	1.00	1.20	250.	10.0	281.4	6.2
10	01	01	1	03	-1.4	0.037	-9.000	-9.000	-999.	17.	3.4	0.08	0.99	1.00	0.90	353.	10.0	281.4	6.2
10	01	01	1	04	-1.1	0.033	-9.000	-9.000	-999.	15.	3.0	0.08	0.99	1.00	0.80	345.	10.0	281.4	6.2
10	01	01	1	05	-1.0	0.035	-9.000	-9.000	-999.	16.	3.8	0.03	0.99	1.00	1.00	156.	10.0	281.0	6.2
10	01	01	1	06	-0.7	0.033	-9.000	-9.000	-999.	14.	4.5	0.14	0.99	1.00	0.70	9.	10.0	281.4	6.2
10	01	01	1	07	-1.3	0.037	-9.000	-9.000	-999.	17.	3.5	0.13	0.99	1.00	0.80	212.	10.0	281.4	6.2
10	01	01	1	08	-0.8	0.031	-9.000	-9.000	-999.	13.	3.4	0.03	0.99	0.75	0.90	194.	10.0	281.4	6.2
10	01	01	1	09	1.0	0.070	0.059	0.010	8.	45.	-32.2	0.03	0.99	0.40	0.90	152.	10.0	281.5	6.2
10	01	01	1	10	7.6	0.126	0.228	0.009	56.	107.	-23.6	0.11	0.99	0.28	1.20	330.	10.0	282.2	6.2
10	01	01	1	11	86.1	0.141	0.845	0.006	253.	127.	-3.0	0.11	0.99	0.23	1.00	319.	10.0	283.4	6.2
10	01	01	1	12	50.9	0.109	0.762	0.005	315.	86.	-2.3	0.13	0.99	0.22	0.70	216.	10.0	285.0	6.2
10	01	01	1	13	104.6	0.161	1.094	0.005	453.	155.	-3.6	0.08	0.99	0.21	1.30	138.	10.0	286.6	6.2
10	01	01	1	14	94.3	0.245	1.142	0.005	570.	290.	-14.0	0.08	0.99	0.22	2.40	149.	10.0	288.4	6.2
10	01	01	1	15	67.0	0.169	1.063	0.005	648.	169.	-6.5	0.08	0.99	0.25	1.50	127.	10.0	288.6	6.2
10	01	01	1	16	2.4	0.107	0.353	0.005	651.	85.	-45.4	0.22	0.99	0.34	0.90	42.	10.0	288.9	6.2
10	01	01	1	17	-1.3	0.042	-9.000	-9.000	-999.	22.	5.2	0.03	0.99	0.58	1.20	158.	10.0	288.8	6.2
10	01	01	1	18	-2.2	0.045	-9.000	-9.000	-999.	23.	3.8	0.03	0.99	1.00	1.30	199.	10.0	287.9	6.2
10	01	01	1	19	-7.4	0.089	-9.000	-9.000	-999.	64.	8.8	0.14	0.99	1.00	1.90	292.	10.0	287.2	6.2
10	01	01	1	20	-1.7	0.049	-9.000	-9.000	-999.	27.	6.4	0.08	0.99	1.00	1.20	149.	10.0	285.8	6.2
10	01	01	1	21	-1.2	0.042	-9.000	-9.000	-999.	20.	5.6	0.22	0.99	1.00	0.80	53.	10.0	285.6	6.2
10	01	01	1	22	-1.1	0.039	-9.000	-9.000	-999.	18.	4.6	0.03	0.99	1.00	1.10	169.	10.0	285.5	6.2
10	01	01	1	23	-2.2	0.054	-9.000	-9.000	-999.	30.	6.3	0.08	0.99	1.00	1.30	131.	10.0	285.4	6.2
10	01	01	1	24	-0.6	0.025	-9.000	-9.000	-999.	9.	2.1	0.03	0.99	1.00	0.70	163.	10.0	284.8	6.2

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
10	01	01	01	6.2	0	-999.	-99.00	281.4	999.0	-99.00	-99.00
10	01	01	01	10.0	1	164.	0.80	-999.0	35.4	-99.00	0.41

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
597065.00	4173420.00	0.00063	597090.00	4173420.00	0.00059
597115.00	4173420.00	0.00058	597040.00	4173445.00	0.00056
597065.00	4173445.00	0.00054	597090.00	4173445.00	0.00050
597115.00	4173445.00	0.00048	597140.00	4173445.00	0.00048
597015.00	4173470.00	0.00049	597040.00	4173470.00	0.00049
597065.00	4173470.00	0.00047	597115.00	4173470.00	0.00042
597140.00	4173470.00	0.00041	597165.00	4173470.00	0.00041
597015.00	4173495.00	0.00044	597040.00	4173495.00	0.00044
597065.00	4173495.00	0.00043	597115.00	4173495.00	0.00038
597140.00	4173495.00	0.00037	597165.00	4173495.00	0.00037
597190.00	4173495.00	0.00037	597015.00	4173520.00	0.00041
597040.00	4173520.00	0.00041	597065.00	4173520.00	0.00039
597115.00	4173520.00	0.00036	597140.00	4173520.00	0.00034
597165.00	4173520.00	0.00033	597190.00	4173520.00	0.00033
597015.00	4173545.00	0.00039	597040.00	4173545.00	0.00038
597065.00	4173545.00	0.00037	597115.00	4173545.00	0.00034
597140.00	4173545.00	0.00032	597165.00	4173545.00	0.00031
597190.00	4173545.00	0.00030	597015.00	4173570.00	0.00037
597040.00	4173570.00	0.00036	597065.00	4173570.00	0.00035
597115.00	4173570.00	0.00032	597140.00	4173570.00	0.00031
597165.00	4173570.00	0.00029	597190.00	4173570.00	0.00028
597015.00	4173595.00	0.00035	597040.00	4173595.00	0.00034
597065.00	4173595.00	0.00033	597115.00	4173595.00	0.00031
597140.00	4173595.00	0.00029	597165.00	4173595.00	0.00028
597190.00	4173595.00	0.00027	597015.00	4173620.00	0.00032
597040.00	4173620.00	0.00032	597065.00	4173620.00	0.00031
597115.00	4173620.00	0.00029	597140.00	4173620.00	0.00028
597165.00	4173620.00	0.00026	597190.00	4173620.00	0.00025
597015.00	4173645.00	0.00030	597040.00	4173645.00	0.00030
597065.00	4173645.00	0.00030	597115.00	4173645.00	0.00028
597140.00	4173645.00	0.00026	597165.00	4173645.00	0.00025
597190.00	4173645.00	0.00024	597015.00	4173670.00	0.00029
597040.00	4173670.00	0.00029	597065.00	4173670.00	0.00028
597115.00	4173670.00	0.00026	597140.00	4173670.00	0.00025
597165.00	4173670.00	0.00024	597190.00	4173670.00	0.00023
597015.00	4173695.00	0.00027	597040.00	4173695.00	0.00027
597065.00	4173695.00	0.00027	597115.00	4173695.00	0.00025
597140.00	4173695.00	0.00024	597165.00	4173695.00	0.00023
597190.00	4173695.00	0.00022	597015.00	4173720.00	0.00026
597040.00	4173720.00	0.00026	597065.00	4173720.00	0.00025

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
597115.00	4173720.00	0.00024	597140.00	4173720.00	0.00023
597165.00	4173720.00	0.00022	597190.00	4173720.00	0.00021
597232.75	4173605.00	0.00024	597257.75	4173605.00	0.00024
597282.75	4173605.00	0.00023	597307.75	4173605.00	0.00023
597232.75	4173630.00	0.00023	597257.75	4173630.00	0.00022
597282.75	4173630.00	0.00022	597307.75	4173630.00	0.00022
597232.75	4173655.00	0.00022	597257.75	4173655.00	0.00021
597282.75	4173655.00	0.00021	597307.75	4173655.00	0.00020
597232.75	4173680.00	0.00021	597257.75	4173680.00	0.00020
597282.75	4173680.00	0.00020	597307.75	4173680.00	0.00019
597232.75	4173705.00	0.00020	597257.75	4173705.00	0.00019
597282.75	4173705.00	0.00019	597307.75	4173705.00	0.00018
597232.75	4173730.00	0.00019	597257.75	4173730.00	0.00018
597282.75	4173730.00	0.00018	597307.75	4173730.00	0.00017
597232.75	4173755.00	0.00018	597257.75	4173755.00	0.00018
597282.75	4173755.00	0.00017	597307.75	4173755.00	0.00017
597160.00	4172930.00	0.00020	597185.00	4172930.00	0.00020
597210.00	4172930.00	0.00020	597235.00	4172930.00	0.00019
597260.00	4172930.00	0.00018	597285.00	4172930.00	0.00018
597310.00	4172930.00	0.00017	597160.00	4172955.00	0.00022
597185.00	4172955.00	0.00021	597210.00	4172955.00	0.00021
597235.00	4172955.00	0.00020	597260.00	4172955.00	0.00019
597285.00	4172955.00	0.00019	597310.00	4172955.00	0.00018
597160.00	4172980.00	0.00023	597185.00	4172980.00	0.00022
597210.00	4172980.00	0.00022	597235.00	4172980.00	0.00021
597260.00	4172980.00	0.00020	597285.00	4172980.00	0.00019
597310.00	4172980.00	0.00019	597160.00	4173005.00	0.00025
597185.00	4173005.00	0.00024	597210.00	4173005.00	0.00023
597235.00	4173005.00	0.00022	597260.00	4173005.00	0.00021
597285.00	4173005.00	0.00021	597310.00	4173005.00	0.00020
597160.00	4173030.00	0.00026	597185.00	4173030.00	0.00025
597210.00	4173030.00	0.00025	597235.00	4173030.00	0.00024
597260.00	4173030.00	0.00023	597285.00	4173030.00	0.00022
597310.00	4173030.00	0.00022	597160.00	4173055.00	0.00028
597185.00	4173055.00	0.00027	597210.00	4173055.00	0.00026
597235.00	4173055.00	0.00025	597260.00	4173055.00	0.00025
597285.00	4173055.00	0.00024	597310.00	4173055.00	0.00024

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00063 AT (597065.00, 4173420.00, 102.15, 102.15, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00059 AT (597090.00, 4173420.00, 102.50, 102.50, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00058 AT (597115.00, 4173420.00, 102.59, 102.59, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00056 AT (597040.00, 4173445.00, 102.35, 102.35, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00054 AT (597065.00, 4173445.00, 102.51, 102.51, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00050 AT (597090.00, 4173445.00, 102.70, 102.70, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00049 AT (597015.00, 4173470.00, 102.26, 102.26, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00049 AT (597040.00, 4173470.00, 102.29, 102.29, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00048 AT (597115.00, 4173445.00, 102.70, 102.70, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00048 AT (597140.00, 4173445.00, 102.44, 102.44, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   17 Warning Message(s)
A Total of   892 Informational Message(s)

A Total of   43824 Hours Were Processed

A Total of   218 Calm Hours Identified

A Total of   674 Missing Hours Identified (1.54 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
MX W403   72   PFLCNV: Turbulence data is being used w/o ADJ_U* option   SigA Data
MX W402   72   PFLCNV: Turbulence data being used with ADJ_U* w/o DFAULT   Option
MX W403   1   PFLCNV: Turbulence data is being used w/o ADJ_U* option   SigA Data
MX W441   14167   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081407
MX W441   14168   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081408
MX W441   14169   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081409
MX W441   14170   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081410
MX W441   14171   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081411
MX W441   14172   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081412
MX W441   14173   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081413
MX W441   14174   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081414
MX W441   14175   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081415
MX W441   14176   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081416
MX W441   14177   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081417
MX W441   14178   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081418
MX W450   26305   CHKDAT: Record Out of Sequence in Meteorological File at: 14010101
MX W450   26305   CHKDAT: Record Out of Sequence in Meteorological File at: 1 year gap

   ****
   *** AERMOD Finishes Successfully ***
   ****

```
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE Valley Link: Ellis Station, 2040 Annual Idling DPM
   TITLETWO Traditional Diesel
   MODELOPT CONC FASTAREA
   AVERTIME ANNUAL
   URBANOPT 4656000 Other_Bay_Area
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL Ellis_Station_2040_Idling.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION ELLIS_STR    AREAPOLY   635639.400  4175871.384       24.000
** DESCRSRC Ellis Station: Platform
   LOCATION STCK1        POINT      635699.770  4175907.230       23.140
** Source Parameters **
   SRCPARAM ELLIS_STR          0.0     3.000         8     0.700
   AREAVERT ELLIS_STR    635639.400 4175871.384 635772.303 4175937.985
   AREAVERT ELLIS_STR    635776.803 4175929.285 635771.403 4175926.585
   AREAVERT ELLIS_STR    635768.703 4175931.685 635647.200 4175870.184
   AREAVERT ELLIS_STR    635649.600 4175865.084 635644.200 4175862.384
   SRCPARAM STCK1        0.0000753     4.520   389.100   5.10000     0.550
   URBANSRC ALL

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Scenario 1"
   EMISFACT STCK1        HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED Ellis_Station_2040_Idling.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08.SFC
   PROFFILE ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08.PFL
   SURFDATA 99008 2004
   UAIRDATA 66666 2004
   PROFBASE 158.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   PLOTFILE ANNUAL ALL ELLIS_STATION_2040_IDLING.AD\Ellis_Station_idling_2040_annuan_DPM.PLT 31
   SUMMFILE Ellis_Station_2040_Idling.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 SO W320      41       APPARM: Input Parameter May Be Out-of-Range for Parameter           QS

 ***********************************
```

```
*** SETUP Finishes Successfully ***
**********************************
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

**Model Is Setup For Calculation of Average CONCentration Values.

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for   2 Source(s),
  for Total of   1 Urban Area(s):
  Urban Population =   4656000.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Full Conversion Assumed for NO2.
        6. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:
        FASTAREA - Use hybrid approach to optimize AREA sources;
                   also applies to LINE sources (formerly TOXICS option)
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 2 Source(s);   1 Source Group(s); and   153 Receptor(s)

               with: 1 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 0 VOLUME source(s)
                and: 1 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with   0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   158.00 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   3.5 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: Ellis_Station_2040_Idling.err
**File for Summary of Results: Ellis_Station_2040_Idling.sum

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
STCK1	0	0.75300E-04	635699.8	4175907.2	23.1	4.52	389.10	5.10	0.55	NO	YES	NO	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
ELLIS_STR	0	0.00000E+00	635639.4	4175871.4	24.0	3.00	8	0.70	YES	

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	ELLIS_STR , STCK1 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	4656000.	ELLIS_STR , STCK1 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = STCK1 ; SOURCE TYPE = POINT :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(635912.0,	4175812.0,	23.1,	23.1,	0.0);	(635986.0,	4175895.0,	22.5,	22.5,	0.0);
(635977.0,	4175832.0,	23.0,	23.0,	0.0);	(635945.0,	4175746.0,	23.5,	23.5,	0.0);
(636019.0,	4175842.0,	23.1,	23.1,	0.0);	(635903.0,	4175733.0,	23.4,	23.4,	0.0);
(636063.0,	4175861.0,	23.1,	23.1,	0.0);	(636094.0,	4175941.0,	22.7,	22.7,	0.0);
(636156.0,	4175942.0,	23.0,	23.0,	0.0);	(636211.0,	4175941.0,	22.7,	22.7,	0.0);
(636121.0,	4175886.0,	23.3,	23.3,	0.0);	(636133.0,	4175844.0,	23.6,	23.6,	0.0);
(635176.3,	4175731.3,	27.7,	27.7,	0.0);	(635198.6,	4175742.7,	28.1,	28.1,	0.0);
(635220.8,	4175754.0,	28.3,	28.3,	0.0);	(635243.1,	4175765.4,	28.1,	28.1,	0.0);
(635265.4,	4175776.8,	28.1,	28.1,	0.0);	(635287.7,	4175788.1,	27.8,	27.8,	0.0);
(635309.9,	4175799.4,	27.5,	27.5,	0.0);	(635332.2,	4175810.8,	26.8,	26.8,	0.0);
(635354.5,	4175822.1,	27.5,	27.5,	0.0);	(635376.8,	4175833.5,	26.0,	26.0,	0.0);
(635399.0,	4175844.8,	25.6,	25.6,	0.0);	(635421.3,	4175856.2,	25.5,	25.5,	0.0);
(635443.6,	4175867.5,	25.4,	25.4,	0.0);	(635465.9,	4175878.9,	25.1,	25.1,	0.0);
(635488.1,	4175890.2,	24.8,	24.8,	0.0);	(635510.4,	4175901.6,	24.5,	24.5,	0.0);
(635532.7,	4175912.9,	24.2,	24.2,	0.0);	(635555.0,	4175924.3,	23.9,	23.9,	0.0);
(635577.2,	4175935.6,	23.5,	23.5,	0.0);	(635599.5,	4175947.0,	22.9,	22.9,	0.0);
(635621.8,	4175958.3,	23.4,	23.4,	0.0);	(635644.1,	4175969.7,	23.1,	23.1,	0.0);
(635666.3,	4175981.0,	21.8,	21.8,	0.0);	(635688.6,	4175992.4,	21.9,	21.9,	0.0);
(635710.9,	4176003.7,	21.6,	21.6,	0.0);	(635733.2,	4176015.1,	21.4,	21.4,	0.0);
(635755.4,	4176026.4,	21.2,	21.2,	0.0);	(635777.7,	4176037.8,	21.2,	21.2,	0.0);
(635800.0,	4176049.1,	20.9,	20.9,	0.0);	(635822.2,	4176060.5,	20.9,	20.9,	0.0);
(635844.5,	4176071.8,	21.0,	21.0,	0.0);	(635866.8,	4176083.2,	21.1,	21.1,	0.0);
(635889.1,	4176094.5,	21.1,	21.1,	0.0);	(635911.4,	4176105.9,	21.1,	21.1,	0.0);
(635933.6,	4176117.2,	21.0,	21.0,	0.0);	(635955.9,	4176128.6,	21.0,	21.0,	0.0);
(635978.2,	4176139.9,	20.6,	20.6,	0.0);	(636000.5,	4176151.3,	20.5,	20.5,	0.0);
(636022.7,	4176162.6,	20.4,	20.4,	0.0);	(636045.0,	4176174.0,	20.3,	20.3,	0.0);
(636067.3,	4176185.3,	20.3,	20.3,	0.0);	(636089.6,	4176196.7,	20.3,	20.3,	0.0);
(636111.8,	4176208.0,	20.3,	20.3,	0.0);	(636134.1,	4176219.4,	20.2,	20.2,	0.0);
(636156.4,	4176230.7,	20.1,	20.1,	0.0);	(636178.7,	4176242.1,	20.1,	20.1,	0.0);
(636200.9,	4176253.4,	20.0,	20.0,	0.0);	(636223.2,	4176264.8,	20.3,	20.3,	0.0);
(636245.5,	4176276.1,	20.5,	20.5,	0.0);	(636267.8,	4176287.5,	19.9,	19.9,	0.0);
(636290.0,	4176298.8,	20.5,	20.5,	0.0);	(636312.3,	4176310.2,	20.7,	20.7,	0.0);
(636334.6,	4176321.5,	20.9,	20.9,	0.0);	(636356.9,	4176332.9,	20.1,	20.1,	0.0);
(636379.1,	4176344.2,	20.1,	20.1,	0.0);	(636401.4,	4176355.6,	20.0,	20.0,	0.0);
(636423.7,	4176366.9,	19.9,	19.9,	0.0);	(636446.0,	4176378.3,	19.9,	19.9,	0.0);
(636468.2,	4176389.6,	19.8,	19.8,	0.0);	(636490.5,	4176401.0,	19.7,	19.7,	0.0);
(636512.8,	4176412.3,	19.7,	19.7,	0.0);	(636535.1,	4176423.7,	19.7,	19.7,	0.0);
(636557.3,	4176435.0,	19.8,	19.8,	0.0);	(636579.6,	4176446.4,	19.6,	19.6,	0.0);
(636601.9,	4176457.7,	19.8,	19.8,	0.0);	(635159.3,	4175791.3,	27.4,	27.4,	0.0);
(635181.6,	4175802.7,	27.9,	27.9,	0.0);	(635203.8,	4175814.0,	27.8,	27.8,	0.0);
(635226.1,	4175825.4,	27.0,	27.0,	0.0);	(635248.4,	4175836.8,	27.4,	27.4,	0.0);
(635270.7,	4175848.1,	27.4,	27.4,	0.0);	(635292.9,	4175859.4,	27.1,	27.1,	0.0);
(635315.2,	4175870.8,	26.7,	26.7,	0.0);	(635337.5,	4175882.1,	26.8,	26.8,	0.0);
(635359.8,	4175893.5,	25.7,	25.7,	0.0);	(635382.0,	4175904.8,	25.2,	25.2,	0.0);
(635404.3,	4175916.2,	25.6,	25.6,	0.0);	(635426.6,	4175927.5,	25.2,	25.2,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(635448.9,	4175938.9,	24.9,	24.9,	0.0);	(635471.1,	4175950.2,	24.6,	24.6,	0.0);
(635493.4,	4175961.6,	24.2,	24.2,	0.0);	(635515.7,	4175972.9,	23.9,	23.9,	0.0);
(635538.0,	4175984.3,	23.4,	23.4,	0.0);	(635560.2,	4175995.6,	22.6,	22.6,	0.0);
(635582.5,	4176007.0,	22.7,	22.7,	0.0);	(635604.8,	4176018.3,	22.8,	22.8,	0.0);
(635627.1,	4176029.7,	22.0,	22.0,	0.0);	(635649.3,	4176041.0,	21.8,	21.8,	0.0);
(635671.6,	4176052.4,	21.1,	21.1,	0.0);	(635693.9,	4176063.7,	20.8,	20.8,	0.0);
(635716.2,	4176075.1,	21.1,	21.1,	0.0);	(635738.4,	4176086.4,	21.3,	21.3,	0.0);
(635760.7,	4176097.8,	21.1,	21.1,	0.0);	(635783.0,	4176109.1,	20.7,	20.7,	0.0);
(635805.2,	4176120.5,	20.7,	20.7,	0.0);	(635827.5,	4176131.8,	20.9,	20.9,	0.0);
(635849.8,	4176143.2,	20.4,	20.4,	0.0);	(635872.1,	4176154.5,	20.1,	20.1,	0.0);
(635894.4,	4176165.9,	20.7,	20.7,	0.0);	(635916.6,	4176177.2,	20.9,	20.9,	0.0);
(635938.9,	4176188.6,	20.4,	20.4,	0.0);	(635961.2,	4176199.9,	20.5,	20.5,	0.0);
(635983.5,	4176211.3,	20.2,	20.2,	0.0);	(636005.7,	4176222.6,	20.2,	20.2,	0.0);
(636028.0,	4176234.0,	20.1,	20.1,	0.0);	(636050.3,	4176245.3,	20.2,	20.2,	0.0);
(636072.6,	4176256.7,	19.6,	19.6,	0.0);	(636094.8,	4176268.0,	20.2,	20.2,	0.0);
(636117.1,	4176279.4,	20.1,	20.1,	0.0);	(636139.4,	4176290.7,	20.1,	20.1,	0.0);
(636161.7,	4176302.1,	19.9,	19.9,	0.0);	(636183.9,	4176313.4,	19.2,	19.2,	0.0);
(636206.2,	4176324.8,	19.8,	19.8,	0.0);	(636228.5,	4176336.1,	19.8,	19.8,	0.0);
(636250.8,	4176347.5,	19.6,	19.6,	0.0);	(636273.0,	4176358.8,	19.7,	19.7,	0.0);
(636295.3,	4176370.2,	20.1,	20.1,	0.0);	(636317.6,	4176381.5,	20.1,	20.1,	0.0);
(636339.9,	4176392.9,	19.9,	19.9,	0.0);	(636362.1,	4176404.2,	20.1,	20.1,	0.0);
(636384.4,	4176415.6,	19.5,	19.5,	0.0);	(636406.7,	4176426.9,	19.4,	19.4,	0.0);
(636429.0,	4176438.3,	19.7,	19.7,	0.0);	(636451.2,	4176449.6,	19.6,	19.6,	0.0);
(636473.5,	4176461.0,	19.5,	19.5,	0.0);	(636495.8,	4176472.3,	19.6,	19.6,	0.0);
(636518.1,	4176483.7,	19.6,	19.6,	0.0);	(636540.3,	4176495.0,	19.5,	19.5,	0.0);
(636562.6,	4176506.4,	18.8,	18.8,	0.0);	(636584.9,	4176517.7,	19.5,	19.5,	0.0);
(635912.0,	4175629.0,	24.3,	24.3,	0.0);	(635963.0,	4175654.0,	24.2,	24.2,	0.0);
(636051.0,	4175672.0,	24.4,	24.4,	0.0);	(635927.0,	4175565.0,	24.8,	24.8,	0.0);
(635933.0,	4175515.0,	25.3,	25.3,	0.0);	(635990.0,	4175573.0,	24.7,	24.7,	0.0);
(636008.0,	4175508.0,	25.3,	25.3,	0.0);	(636036.0,	4175603.0,	24.9,	24.9,	0.0);
(635988.0,	4175751.0,	23.5,	23.5,	0.0);	(636034.0,	4175771.0,	23.4,	23.4,	0.0);
(636072.0,	4175788.0,	23.6,	23.6,	0.0);					

```
                                               *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                                 (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1

               NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.


                                     *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                                               (METERS/SEC)

                                                    1.54,   3.09,   5.14,   8.23,  10.80,
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08 Met Version: 16216
Profile file: ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08
Surface format: FREE
Profile format: FREE
Surface station no.: 99008 Upper air station no.: 66666
Name: UNKNOWN Name: UNKNOWN
Year: 2004 Year: 2004

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
04	01	01	1	01	-27.4	0.258	-9.000	-9.000	-999.	315.	55.9	0.09	0.77	1.00	4.10	151.	14.0	282.0	2.0
04	01	01	1	02	-33.4	0.328	-9.000	-9.000	-999.	450.	93.2	0.11	0.77	1.00	4.60	148.	14.0	282.0	2.0
04	01	01	1	03	-42.0	0.432	-9.000	-9.000	-999.	682.	170.4	0.11	0.77	1.00	5.70	144.	14.0	281.8	2.0
04	01	01	1	04	-40.3	0.482	-9.000	-9.000	-999.	801.	245.0	0.11	0.77	1.00	6.20	143.	14.0	281.6	2.0
04	01	01	1	05	-29.6	0.534	-9.000	-9.000	-999.	935.	454.9	0.11	0.77	1.00	6.70	143.	14.0	281.5	2.0
04	01	01	1	06	-32.0	0.576	-9.000	-9.000	-999.	1049.	529.7	0.11	0.77	1.00	7.20	142.	14.0	281.4	2.0
04	01	01	1	07	-34.4	0.619	-9.000	-9.000	-999.	1166.	609.6	0.11	0.77	1.00	7.70	135.	14.0	281.2	2.0
04	01	01	1	08	-36.6	0.661	-9.000	-9.000	-999.	1287.	697.1	0.11	0.77	0.73	8.20	143.	14.0	281.2	2.0
04	01	01	1	09	7.0	0.717	0.238	0.005	68.	1454.	-4692.4	0.11	0.77	0.39	8.70	137.	14.0	281.5	2.0
04	01	01	1	10	43.3	0.655	0.675	0.005	251.	1280.	-574.5	0.09	0.77	0.27	8.20	151.	14.0	282.1	2.0
04	01	01	1	11	70.4	0.549	0.930	0.005	405.	989.	-207.5	0.09	0.77	0.23	6.70	164.	14.0	283.1	2.0
04	01	01	1	12	90.7	0.480	1.217	0.005	703.	804.	-107.8	0.09	0.77	0.21	5.70	166.	14.0	284.1	2.0
04	01	01	1	13	92.9	0.395	1.327	0.005	891.	602.	-58.8	0.08	0.77	0.21	4.60	183.	14.0	284.9	2.0
04	01	01	1	14	81.1	0.321	1.332	0.005	1031.	440.	-36.0	0.08	0.77	0.22	3.60	189.	14.0	285.2	2.0
04	01	01	1	15	47.5	0.160	1.139	0.005	1104.	174.	-7.6	0.08	0.77	0.26	1.50	192.	14.0	284.5	2.0
04	01	01	1	16	19.1	0.076	0.847	0.005	1130.	56.	-2.0	0.12	0.77	0.34	0.50	54.	14.0	283.5	2.0
04	01	01	1	17	-2.6	0.061	-9.000	-9.000	-999.	36.	7.7	0.10	0.77	0.59	1.50	341.	14.0	283.1	2.0
04	01	01	1	18	-3.0	0.061	-9.000	-9.000	-999.	37.	6.9	0.11	0.77	1.00	1.50	307.	14.0	282.2	2.0
04	01	01	1	19	-9.1	0.106	-9.000	-9.000	-999.	83.	11.5	0.10	0.77	1.00	2.60	284.	14.0	281.2	2.0
04	01	01	1	20	-22.1	0.207	-9.000	-9.000	-999.	226.	35.6	0.10	0.77	1.00	3.60	267.	14.0	280.4	2.0
04	01	01	1	21	-28.4	0.265	-9.000	-9.000	-999.	327.	58.1	0.10	0.77	1.00	4.10	260.	14.0	279.8	2.0
04	01	01	1	22	-33.8	0.315	-9.000	-9.000	-999.	424.	82.1	0.10	0.77	1.00	4.60	262.	14.0	279.4	2.0
04	01	01	1	23	-33.9	0.315	-9.000	-9.000	-999.	424.	82.0	0.10	0.77	1.00	4.60	250.	14.0	279.2	2.0
04	01	01	1	24	-28.5	0.264	-9.000	-9.000	-999.	327.	57.9	0.10	0.77	1.00	4.10	240.	14.0	279.0	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
04	01	01	01	14.0	1	151.	4.10	282.1	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): ELLIS_STR , STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
635912.00	4175812.00	0.00060	635986.00	4175895.00	0.00044
635977.00	4175832.00	0.00046	635945.00	4175746.00	0.00038
636019.00	4175842.00	0.00039	635903.00	4175733.00	0.00042
636063.00	4175861.00	0.00032	636094.00	4175941.00	0.00026
636156.00	4175942.00	0.00021	636211.00	4175941.00	0.00018
636121.00	4175886.00	0.00026	636133.00	4175844.00	0.00025
635176.28	4175731.35	0.00002	635198.55	4175742.70	0.00003
635220.83	4175754.05	0.00003	635243.10	4175765.40	0.00003
635265.38	4175776.75	0.00003	635287.65	4175788.10	0.00004
635309.93	4175799.45	0.00004	635332.20	4175810.80	0.00005
635354.48	4175822.15	0.00005	635376.75	4175833.50	0.00006
635399.03	4175844.85	0.00007	635421.30	4175856.20	0.00008
635443.58	4175867.55	0.00009	635465.85	4175878.90	0.00011
635488.13	4175890.25	0.00013	635510.40	4175901.60	0.00016
635532.68	4175912.95	0.00020	635554.95	4175924.30	0.00027
635577.23	4175935.65	0.00036	635599.50	4175947.00	0.00050
635621.78	4175958.35	0.00070	635644.05	4175969.69	0.00085
635666.33	4175981.04	0.00070	635688.60	4175992.39	0.00049
635710.88	4176003.74	0.00036	635733.15	4176015.09	0.00028
635755.43	4176026.44	0.00022	635777.70	4176037.79	0.00019
635799.98	4176049.14	0.00016	635822.25	4176060.49	0.00015
635844.53	4176071.84	0.00013	635866.81	4176083.19	0.00013
635889.08	4176094.54	0.00012	635911.36	4176105.89	0.00011
635933.63	4176117.24	0.00011	635955.91	4176128.59	0.00010
635978.18	4176139.94	0.00009	636000.46	4176151.29	0.00009
636022.73	4176162.64	0.00008	636045.01	4176173.99	0.00008
636067.28	4176185.34	0.00007	636089.56	4176196.69	0.00007
636111.83	4176208.04	0.00007	636134.11	4176219.39	0.00006
636156.38	4176230.74	0.00006	636178.66	4176242.09	0.00006
636200.93	4176253.44	0.00005	636223.21	4176264.79	0.00005
636245.48	4176276.14	0.00005	636267.76	4176287.49	0.00005
636290.03	4176298.84	0.00005	636312.31	4176310.19	0.00004
636334.58	4176321.54	0.00004	636356.86	4176332.89	0.00004
636379.13	4176344.24	0.00004	636401.41	4176355.59	0.00004
636423.68	4176366.94	0.00004	636445.96	4176378.29	0.00003
636468.23	4176389.64	0.00003	636490.51	4176400.99	0.00003
636512.78	4176412.34	0.00003	636535.06	4176423.69	0.00003
636557.34	4176435.04	0.00003	636579.61	4176446.38	0.00003
636601.89	4176457.73	0.00003	635159.28	4175791.35	0.00003
635181.55	4175802.70	0.00003	635203.83	4175814.05	0.00003

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): ELLIS_STR , STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
635226.10	4175825.40	0.00003	635248.38	4175836.75	0.00004
635270.65	4175848.10	0.00004	635292.93	4175859.45	0.00004
635315.20	4175870.80	0.00005	635337.48	4175882.15	0.00005
635359.75	4175893.50	0.00006	635382.03	4175904.85	0.00007
635404.30	4175916.20	0.00008	635426.58	4175927.55	0.00009
635448.85	4175938.90	0.00011	635471.13	4175950.25	0.00013
635493.40	4175961.60	0.00016	635515.68	4175972.95	0.00020
635537.95	4175984.30	0.00026	635560.23	4175995.65	0.00031
635582.50	4176007.00	0.00038	635604.78	4176018.35	0.00042
635627.05	4176029.69	0.00039	635649.33	4176041.04	0.00034
635671.60	4176052.39	0.00027	635693.88	4176063.74	0.00022
635716.15	4176075.09	0.00019	635738.43	4176086.44	0.00016
635760.70	4176097.79	0.00014	635782.98	4176109.14	0.00012
635805.25	4176120.49	0.00011	635827.53	4176131.84	0.00010
635849.81	4176143.19	0.00010	635872.08	4176154.54	0.00009
635894.36	4176165.89	0.00008	635916.63	4176177.24	0.00008
635938.91	4176188.59	0.00007	635961.18	4176199.94	0.00007
635983.46	4176211.29	0.00007	636005.73	4176222.64	0.00006
636028.01	4176233.99	0.00006	636050.28	4176245.34	0.00006
636072.56	4176256.69	0.00005	636094.83	4176268.04	0.00005
636117.11	4176279.39	0.00005	636139.38	4176290.74	0.00005
636161.66	4176302.09	0.00005	636183.93	4176313.44	0.00004
636206.21	4176324.79	0.00004	636228.48	4176336.14	0.00004
636250.76	4176347.49	0.00004	636273.03	4176358.84	0.00004
636295.31	4176370.19	0.00004	636317.58	4176381.54	0.00004
636339.86	4176392.89	0.00003	636362.13	4176404.24	0.00003
636384.41	4176415.59	0.00003	636406.68	4176426.94	0.00003
636428.96	4176438.29	0.00003	636451.23	4176449.64	0.00003
636473.51	4176460.99	0.00003	636495.78	4176472.34	0.00003
636518.06	4176483.69	0.00003	636540.34	4176495.04	0.00003
636562.61	4176506.38	0.00002	636584.89	4176517.73	0.00002
635912.00	4175629.00	0.00023	635963.00	4175654.00	0.00024
636051.00	4175672.00	0.00021	635927.00	4175565.00	0.00016
635933.00	4175515.00	0.00012	635990.00	4175573.00	0.00016
636008.00	4175508.00	0.00012	636036.00	4175603.00	0.00016
635988.00	4175751.00	0.00034	636034.00	4175771.00	0.00031
636072.00	4175788.00	0.00028			

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00085 AT	(635644.05, 4175969.69, 23.12, 23.12, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00070 AT	(635621.78, 4175958.35, 23.41, 23.41, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00070 AT	(635666.33, 4175981.04, 21.81, 21.81, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00060 AT	(635912.00, 4175812.00, 23.11, 23.11, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00050 AT	(635599.50, 4175947.00, 22.95, 22.95, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00049 AT	(635688.60, 4175992.39, 21.95, 21.95, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00046 AT	(635977.00, 4175832.00, 22.99, 22.99, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00044 AT	(635986.00, 4175895.00, 22.53, 22.53, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00042 AT	(635903.00, 4175733.00, 23.36, 23.36, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00042 AT	(635604.78, 4176018.35, 22.77, 22.77, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   1 Warning Message(s)
A Total of   375 Informational Message(s)

A Total of   43848 Hours Were Processed

A Total of   375 Calm Hours Identified

A Total of   0 Missing Hours Identified (0.00 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
SO W320   41   APPARM: Input Parameter May Be Out-of-Range for Parameter   QS

   ****
   *** AERMOD Finishes Successfully ***
   ****

```
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE Valley Link: Greenvile Station, 2025 Annual Idling DPM
   TITLETWO Traditional Diesel
   MODELOPT CONC FASTAREA
   AVERTIME ANNUAL
   URBANOPT 4656000 Other_Bay_Area
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL Greenville_Station_2025_Idling.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION GRNVIL_STR   AREAPOLY   614907.614  4175362.255      201.490
** DESCRSRC Greenville Station: Platform and Pedestrian Crossing
   LOCATION STCK1        POINT      614904.910  4175286.390      195.340
** Source Parameters **
   SRCPARAM GRNVIL_STR         0.0     3.000        22     0.700
   AREAVERT GRNVIL_STR   614907.614 4175362.255 614877.999 4175360.896
   AREAVERT GRNVIL_STR   614882.346 4175296.233 614889.954 4175296.505
   AREAVERT GRNVIL_STR   614887.508 4175355.191 614894.573 4175355.191
   AREAVERT GRNVIL_STR   614894.573 4175348.398 614893.486 4175348.670
   AREAVERT GRNVIL_STR   614900.550 4175226.407 614901.093 4175226.407
   AREAVERT GRNVIL_STR   614901.365 4175219.072 614889.139 4175219.072
   AREAVERT GRNVIL_STR   614889.139 4175213.094 614908.701 4175213.094
   AREAVERT GRNVIL_STR   614908.701 4175220.158 614905.984 4175219.615
   AREAVERT GRNVIL_STR   614905.169 4175226.679 614906.527 4175226.951
   AREAVERT GRNVIL_STR   614900.006 4175348.398 614899.191 4175348.670
   AREAVERT GRNVIL_STR   614898.648 4175355.462 614907.614 4175355.734
   SRCPARAM STCK1         0.000129     4.520   389.100   5.10000     0.550
   URBANSRC ALL

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Scenario 1"
   EMISFACT STCK1        HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED Greenville_Station_2025_Idling.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE ..\..\..\..\metdata\AQMD\724927_Livermore\724927.SFC
   PROFFILE ..\..\..\..\metdata\AQMD\724927_Livermore\724927.PFL
   SURFDATA 23285 2009
   UAIRDATA 23230 2009 OAKLAND/WSO_AP
   PROFBASE 137.2 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   PLOTFILE ANNUAL ALL GREENVILLE_STATION_2025_IDLING.AD\Greenvill_Station_idling_2025_annual_DPM.PLT 31
   SUMMFILE Greenville_Station_2025_Idling.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
```

```
              ***  NONE  ***


   ********   WARNING MESSAGES   ********
SO W320      41       APPARM: Input Parameter May Be Out-of-Range for Parameter           QS

**********************************
*** SETUP Finishes Successfully ***
**********************************
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

**Model Is Setup For Calculation of Average CONCentration Values.

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for   2 Source(s),
  for Total of   1 Urban Area(s):
  Urban Population =   4656000.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Full Conversion Assumed for NO2.
        6. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:
        FASTAREA - Use hybrid approach to optimize AREA sources;
                   also applies to LINE sources (formerly TOXICS option)
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 2 Source(s);   1 Source Group(s); and   4 Receptor(s)

               with: 1 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                 and: 0 VOLUME source(s)
                 and: 1 AREA type source(s)
                 and: 0 LINE source(s)
                 and: 0 OPENPIT source(s)
                 and: 0 BUOYANT LINE source(s) with   0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   137.20 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   3.5 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: Greenville_Station_2025_Idling.err
**File for Summary of Results: Greenville_Station_2025_Idling.sum

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
STCK1	0	0.12900E-03	614904.9	4175286.4	195.3	4.52	389.10	5.10	0.55	NO	YES	NO	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
GRNVIL_STR	0	0.00000E+00	614907.6	4175362.3	201.5	3.00	22	0.70	YES	

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	GRNVIL_STR , STCK1 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	4656000.	GRNVIL_STR , STCK1 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = STCK1 ; SOURCE TYPE = POINT :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(614505.5, 4175037.9,	177.1,	177.1,	0.0);	(614458.6, 4175054.4,	177.1,	177.1,	0.0);
(614363.5, 4175063.8,	175.2,	175.2,	0.0);	(614319.0, 4175073.1,	175.2,	175.2,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

```
1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\..\..\..\metdata\AQMD\724927_Livermore\724927.SFC Met Version: 14134
Profile file: ..\..\..\..\metdata\AQMD\724927_Livermore\724927.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23285 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2009 Year: 2009

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
09	01	01	1	01	-12.6	0.221	-9.000	-9.000	-999.	250.	77.5	0.11	0.90	1.00	2.86	51.	10.0	279.2	2.0
09	01	01	1	02	-23.5	0.413	-9.000	-9.000	-999.	637.	269.8	0.11	0.90	1.00	4.86	48.	10.0	279.2	2.0
09	01	01	1	03	-11.1	0.195	-9.000	-9.000	-999.	254.	59.8	0.07	0.90	1.00	2.86	94.	10.0	278.8	2.0
09	01	01	1	04	-9.5	0.166	-9.000	-9.000	-999.	164.	43.7	0.11	0.90	1.00	2.36	53.	10.0	278.1	2.0
09	01	01	1	05	-11.1	0.195	-9.000	-9.000	-999.	206.	59.6	0.07	0.90	1.00	2.86	63.	10.0	278.1	2.0
09	01	01	1	06	-8.2	0.143	-9.000	-9.000	-999.	131.	32.3	0.07	0.90	1.00	2.36	72.	10.0	278.1	2.0
09	01	01	1	07	-8.2	0.143	-9.000	-9.000	-999.	130.	32.3	0.07	0.90	1.00	2.36	75.	10.0	278.1	2.0
09	01	01	1	08	-4.1	0.078	-9.000	-9.000	-999.	53.	10.3	0.11	0.90	0.75	1.76	13.	10.0	277.5	2.0
09	01	01	1	09	-6.3	0.246	-9.000	-9.000	-999.	292.	211.6	0.12	0.90	0.40	2.86	347.	10.0	278.1	2.0
09	01	01	1	10	6.6	0.303	0.261	0.016	96.	401.	-378.3	0.11	0.90	0.27	3.36	51.	10.0	278.8	2.0
09	01	01	1	11	15.4	0.317	0.422	0.017	176.	429.	-186.8	0.07	0.90	0.23	3.86	94.	10.0	279.9	2.0
09	01	01	1	12	47.5	0.448	0.742	0.017	309.	720.	-170.5	0.11	0.90	0.22	4.86	56.	10.0	280.9	2.0
09	01	01	1	13	49.0	0.405	0.820	0.014	403.	621.	-122.0	0.07	0.90	0.21	4.86	63.	10.0	281.4	2.0
09	01	01	1	14	42.7	0.405	0.809	0.014	444.	619.	-139.5	0.11	0.90	0.22	4.36	59.	10.0	282.0	2.0
09	01	01	1	15	60.8	0.372	0.922	0.014	463.	545.	-75.6	0.07	0.90	0.25	4.36	72.	10.0	281.4	2.0
09	01	01	1	16	14.1	0.309	0.569	0.016	467.	414.	-187.5	0.11	0.90	0.34	3.36	54.	10.0	282.0	2.0
09	01	01	1	17	-30.4	0.311	-9.000	-9.000	-999.	417.	89.1	0.07	0.90	0.58	4.36	61.	10.0	280.4	2.0
09	01	01	1	18	-27.0	0.239	-9.000	-9.000	-999.	282.	45.2	0.11	0.90	1.00	3.36	47.	10.0	279.9	2.0
09	01	01	1	19	-14.9	0.131	-9.000	-9.000	-999.	120.	13.7	0.07	0.90	1.00	2.86	64.	10.0	279.2	2.0
09	01	01	1	20	-5.8	0.078	-9.000	-9.000	-999.	53.	7.3	0.11	0.90	1.00	1.76	47.	10.0	278.8	2.0
09	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	0.90	1.00	0.00	0.	10.0	277.5	2.0
09	01	01	1	22	-4.9	0.070	-9.000	-9.000	-999.	44.	6.2	0.07	0.90	1.00	1.76	82.	10.0	276.4	2.0
09	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	0.90	1.00	0.00	0.	10.0	277.0	2.0
09	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	0.90	1.00	0.00	0.	10.0	277.0	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
09	01	01	01	10.0	1	51.	2.86	279.3	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): GRNVIL_STR , STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
614505.51	4175037.94	0.00020	614458.58	4175054.37	0.00019
614363.54	4175063.75	0.00015	614318.95	4175073.14	0.00014

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00020 AT	(614505.51, 4175037.94, 177.09, 177.09, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00019 AT	(614458.58, 4175054.37, 177.05, 177.05, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00015 AT	(614363.54, 4175063.75, 175.21, 175.21, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00014 AT	(614318.95, 4175073.14, 175.22, 175.22, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	6TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	7TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	8TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	9TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	10TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   2 Warning Message(s)
A Total of   15235 Informational Message(s)

A Total of   43872 Hours Were Processed

A Total of   13448 Calm Hours Identified

A Total of   1787 Missing Hours Identified (4.07 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
SO W320   41   APPARM: Input Parameter May Be Out-of-Range for Parameter   QS
MX W481   43873   MAIN: Data Remaining After End of Year. Number of Hours=   48

   ****
   *** AERMOD Finishes Successfully ***
   ****

```
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE Valley Link: Greenvile Station, 2040 Annual Idling DPM
   TITLETWO Traditional Diesel
   MODELOPT CONC FASTAREA
   AVERTIME ANNUAL
   URBANOPT 4656000 Other_Bay_Area
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL Greenville_Station_2040_Idling.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION GRNVIL_STR   AREAPOLY   614907.614  4175362.255      201.490
** DESCRSRC Greenville Station: Platform and Pedestrian Crossing
   LOCATION STCK1        POINT      614904.910  4175286.390      195.340
** Source Parameters **
   SRCPARAM GRNVIL_STR         0.0     3.000        22     0.700
   AREAVERT GRNVIL_STR   614907.614 4175362.255 614877.999 4175360.896
   AREAVERT GRNVIL_STR   614882.346 4175296.233 614889.954 4175296.505
   AREAVERT GRNVIL_STR   614887.508 4175355.191 614894.573 4175355.191
   AREAVERT GRNVIL_STR   614894.573 4175348.398 614893.486 4175348.670
   AREAVERT GRNVIL_STR   614900.550 4175226.407 614901.093 4175226.407
   AREAVERT GRNVIL_STR   614901.365 4175219.072 614889.139 4175219.072
   AREAVERT GRNVIL_STR   614889.139 4175213.094 614908.701 4175213.094
   AREAVERT GRNVIL_STR   614908.701 4175220.158 614905.984 4175219.615
   AREAVERT GRNVIL_STR   614905.169 4175226.679 614906.527 4175226.951
   AREAVERT GRNVIL_STR   614900.006 4175348.398 614899.191 4175348.670
   AREAVERT GRNVIL_STR   614898.648 4175355.462 614907.614 4175355.734
   SRCPARAM STCK1         0.000158     4.520   389.100   5.10000     0.550
   URBANSRC ALL

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Scenario 1"
   EMISFACT STCK1        HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED Greenville_Station_2040_Idling.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE ..\..\..\..\metdata\AQMD\724927_Livermore\724927.SFC
   PROFFILE ..\..\..\..\metdata\AQMD\724927_Livermore\724927.PFL
   SURFDATA 23285 2009
   UAIRDATA 23230 2009 OAKLAND/WSO_AP
   PROFBASE 137.2 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   PLOTFILE ANNUAL ALL GREENVILLE_STATION_2040_IDLING.AD\Greenvill_Station_idling_2040_annual_DPM.PLT 31
   SUMMFILE Greenville_Station_2040_Idling.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
```

```
              ***  NONE  ***


   ********   WARNING MESSAGES   ********
SO W320      41       APPARM: Input Parameter May Be Out-of-Range for Parameter           QS

**********************************
*** SETUP Finishes Successfully ***
**********************************
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

**Model Is Setup For Calculation of Average CONCentration Values.

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for   2 Source(s),
  for Total of   1 Urban Area(s):
  Urban Population =   4656000.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Full Conversion Assumed for NO2.
        6. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:
        FASTAREA - Use hybrid approach to optimize AREA sources;
                   also applies to LINE sources (formerly TOXICS option)
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 2 Source(s);   1 Source Group(s); and   4 Receptor(s)

               with: 1 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                 and: 0 VOLUME source(s)
                 and: 1 AREA type source(s)
                 and: 0 LINE source(s)
                 and: 0 OPENPIT source(s)
                 and: 0 BUOYANT LINE source(s) with   0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   137.20 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   3.5 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: Greenville_Station_2040_Idling.err
**File for Summary of Results: Greenville_Station_2040_Idling.sum

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
STCK1	0	0.15800E-03	614904.9	4175286.4	195.3	4.52	389.10	5.10	0.55	NO	YES	NO	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
GRNVIL_STR	0	0.00000E+00	614907.6	4175362.3	201.5	3.00	22	0.70	YES	

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	GRNVIL_STR , STCK1 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	4656000.	GRNVIL_STR , STCK1 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = STCK1 ; SOURCE TYPE = POINT :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(614505.5, 4175037.9,	177.1,	177.1,	0.0);	(614458.6, 4175054.4,	177.1,	177.1,	0.0);
(614363.5, 4175063.8,	175.2,	175.2,	0.0);	(614319.0, 4175073.1,	175.2,	175.2,	0.0);

```
                                                 *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                                    (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1

               NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.


                                   *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                                                 (METERS/SEC)

                                                    1.54,   3.09,   5.14,   8.23,  10.80,
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\..\..\..\metdata\AQMD\724927_Livermore\724927.SFC Met Version: 14134
Profile file: ..\..\..\..\metdata\AQMD\724927_Livermore\724927.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23285 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2009 Year: 2009

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
09	01	01	1	01	-12.6	0.221	-9.000	-9.000	-999.	250.	77.5	0.11	0.90	1.00	2.86	51.	10.0	279.2	2.0
09	01	01	1	02	-23.5	0.413	-9.000	-9.000	-999.	637.	269.8	0.11	0.90	1.00	4.86	48.	10.0	279.2	2.0
09	01	01	1	03	-11.1	0.195	-9.000	-9.000	-999.	254.	59.8	0.07	0.90	1.00	2.86	94.	10.0	278.8	2.0
09	01	01	1	04	-9.5	0.166	-9.000	-9.000	-999.	164.	43.7	0.11	0.90	1.00	2.36	53.	10.0	278.1	2.0
09	01	01	1	05	-11.1	0.195	-9.000	-9.000	-999.	206.	59.6	0.07	0.90	1.00	2.86	63.	10.0	278.1	2.0
09	01	01	1	06	-8.2	0.143	-9.000	-9.000	-999.	131.	32.3	0.07	0.90	1.00	2.36	72.	10.0	278.1	2.0
09	01	01	1	07	-8.2	0.143	-9.000	-9.000	-999.	130.	32.3	0.07	0.90	1.00	2.36	75.	10.0	278.1	2.0
09	01	01	1	08	-4.1	0.078	-9.000	-9.000	-999.	53.	10.3	0.11	0.90	0.75	1.76	13.	10.0	277.5	2.0
09	01	01	1	09	-6.3	0.246	-9.000	-9.000	-999.	292.	211.6	0.12	0.90	0.40	2.86	347.	10.0	278.1	2.0
09	01	01	1	10	6.6	0.303	0.261	0.016	96.	401.	-378.3	0.11	0.90	0.27	3.36	51.	10.0	278.8	2.0
09	01	01	1	11	15.4	0.317	0.422	0.017	176.	429.	-186.8	0.07	0.90	0.23	3.86	94.	10.0	279.9	2.0
09	01	01	1	12	47.5	0.448	0.742	0.017	309.	720.	-170.5	0.11	0.90	0.22	4.86	56.	10.0	280.9	2.0
09	01	01	1	13	49.0	0.405	0.820	0.014	403.	621.	-122.0	0.07	0.90	0.21	4.86	63.	10.0	281.4	2.0
09	01	01	1	14	42.7	0.405	0.809	0.014	444.	619.	-139.5	0.11	0.90	0.22	4.36	59.	10.0	282.0	2.0
09	01	01	1	15	60.8	0.372	0.922	0.014	463.	545.	-75.6	0.07	0.90	0.25	4.36	72.	10.0	281.4	2.0
09	01	01	1	16	14.1	0.309	0.569	0.016	467.	414.	-187.5	0.11	0.90	0.34	3.36	54.	10.0	282.0	2.0
09	01	01	1	17	-30.4	0.311	-9.000	-9.000	-999.	417.	89.1	0.07	0.90	0.58	4.36	61.	10.0	280.4	2.0
09	01	01	1	18	-27.0	0.239	-9.000	-9.000	-999.	282.	45.2	0.11	0.90	1.00	3.36	47.	10.0	279.9	2.0
09	01	01	1	19	-14.9	0.131	-9.000	-9.000	-999.	120.	13.7	0.07	0.90	1.00	2.86	64.	10.0	279.2	2.0
09	01	01	1	20	-5.8	0.078	-9.000	-9.000	-999.	53.	7.3	0.11	0.90	1.00	1.76	47.	10.0	278.8	2.0
09	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	0.90	1.00	0.00	0.	10.0	277.5	2.0
09	01	01	1	22	-4.9	0.070	-9.000	-9.000	-999.	44.	6.2	0.07	0.90	1.00	1.76	82.	10.0	276.4	2.0
09	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	0.90	1.00	0.00	0.	10.0	277.0	2.0
09	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	0.90	1.00	0.00	0.	10.0	277.0	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
09	01	01	01	10.0	1	51.	2.86	279.3	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): GRNVIL_STR , STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
614505.51	4175037.94	0.00024	614458.58	4175054.37	0.00023
614363.54	4175063.75	0.00019	614318.95	4175073.14	0.00017

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00024 AT	(614505.51, 4175037.94, 177.09, 177.09, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00023 AT	(614458.58, 4175054.37, 177.05, 177.05, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00019 AT	(614363.54, 4175063.75, 175.21, 175.21, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00017 AT	(614318.95, 4175073.14, 175.22, 175.22, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	6TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	7TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	8TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	9TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	10TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   2 Warning Message(s)
A Total of   15235 Informational Message(s)

A Total of   43872 Hours Were Processed

A Total of   13448 Calm Hours Identified

A Total of   1787 Missing Hours Identified (4.07 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
SO W320   41   APPARM: Input Parameter May Be Out-of-Range for Parameter   QS
MX W481   43873   MAIN: Data Remaining After End of Year. Number of Hours=   48

   ****
   *** AERMOD Finishes Successfully ***
   ****

```
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE Valley Link: Greenvile Station Alt, 2025 Annual Idling DPM
   TITLETWO Traditional Diesel
   MODELOPT CONC FASTAREA
   AVERTIME ANNUAL
   URBANOPT 4656000 Other_Bay_Area
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL Greenville_Station_Alt_2025_Idling.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION GNVILALT_STR AREAPOLY   614927.604  4175545.455      205.370
** DESCRSRC Greenville Station Alternative: Platform
   LOCATION STCK1        POINT      614934.780  4175511.200      203.500
** Source Parameters **
   SRCPARAM GNVILALT_STR       0.0     3.000        10     0.700
   AREAVERT GNVILALT_STR 614927.604 4175545.455 614932.495 4175546.270
   AREAVERT GNVILALT_STR 614939.289 4175436.486 614934.397 4175436.486
   AREAVERT GNVILALT_STR 614929.506 4175508.226 614904.778 4175507.411
   AREAVERT GNVILALT_STR 614905.049 4175510.672 614927.060 4175511.759
   AREAVERT GNVILALT_STR 614927.060 4175513.118 614930.050 4175513.118
   SRCPARAM STCK1         0.000129     4.520   389.100   5.10000     0.550
   URBANSRC ALL

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Scenario 1"
   EMISFACT STCK1        HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED Greenville_Station_Alt_2025_Idling.rou
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE ..\..\..\..\metdata\AQMD\724927_Livermore\724927.SFC
   PROFFILE ..\..\..\..\metdata\AQMD\724927_Livermore\724927.PFL
   SURFDATA 23285 2009
   UAIRDATA 23230 2009 OAKLAND/WSO_AP
   PROFBASE 137.2 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   PLOTFILE ANNUAL ALL GREENVILLE_STATION_ALT_2025_IDLING.AD\Greenvill_Station_Alt_2025_annual_idling_DPM.PLT 31
   SUMMFILE Greenville_Station_Alt_2025_Idling.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 SO W320      41       APPARM: Input Parameter May Be Out-of-Range for Parameter           QS
```

```
**********************************
*** SETUP Finishes Successfully ***
**********************************
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

**Model Is Setup For Calculation of Average CONCentration Values.

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for   2 Source(s),
  for Total of   1 Urban Area(s):
  Urban Population =   4656000.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Full Conversion Assumed for NO2.
        6. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:
        FASTAREA - Use hybrid approach to optimize AREA sources;
                   also applies to LINE sources (formerly TOXICS option)
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 2 Source(s);   1 Source Group(s); and   4 Receptor(s)

               with: 1 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                 and: 0 VOLUME source(s)
                 and: 1 AREA type source(s)
                 and: 0 LINE source(s)
                 and: 0 OPENPIT source(s)
                 and: 0 BUOYANT LINE source(s) with   0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   137.20 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   3.5 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: Greenville_Station_Alt_2025_Idling.err
**File for Summary of Results: Greenville_Station_Alt_2025_Idling.sum

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
STCK1	0	0.12900E-03	614934.8	4175511.2	203.5	4.52	389.10	5.10	0.55	NO	YES	NO	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
GNVILALT_STR	0	0.00000E+00	614927.6	4175545.5	205.4	3.00	10	0.70	YES	

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	GNVILALT_STR, STCK1 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	4656000.	GNVILALT_STR, STCK1 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = STCK1 ; SOURCE TYPE = POINT :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(614505.0,	4175037.8,	177.1,	177.1,	0.0);	(614468.6,	4175048.0,	177.1,	177.1,	0.0);
(614360.9,	4175065.8,	175.2,	175.2,	0.0);	(614321.9,	4175072.6,	175.2,	175.2,	0.0);

```
                                             *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                              (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1

               NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.


                                   *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                                            (METERS/SEC)

                                                  1.54,   3.09,   5.14,   8.23,  10.80,
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\..\..\..\metdata\AQMD\724927_Livermore\724927.SFC Met Version: 14134
Profile file: ..\..\..\..\metdata\AQMD\724927_Livermore\724927.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23285 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2009 Year: 2009

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
09	01	01	1	01	-12.6	0.221	-9.000	-9.000	-999.	250.	77.5	0.11	0.90	1.00	2.86	51.	10.0	279.2	2.0
09	01	01	1	02	-23.5	0.413	-9.000	-9.000	-999.	637.	269.8	0.11	0.90	1.00	4.86	48.	10.0	279.2	2.0
09	01	01	1	03	-11.1	0.195	-9.000	-9.000	-999.	254.	59.8	0.07	0.90	1.00	2.86	94.	10.0	278.8	2.0
09	01	01	1	04	-9.5	0.166	-9.000	-9.000	-999.	164.	43.7	0.11	0.90	1.00	2.36	53.	10.0	278.1	2.0
09	01	01	1	05	-11.1	0.195	-9.000	-9.000	-999.	206.	59.6	0.07	0.90	1.00	2.86	63.	10.0	278.1	2.0
09	01	01	1	06	-8.2	0.143	-9.000	-9.000	-999.	131.	32.3	0.07	0.90	1.00	2.36	72.	10.0	278.1	2.0
09	01	01	1	07	-8.2	0.143	-9.000	-9.000	-999.	130.	32.3	0.07	0.90	1.00	2.36	75.	10.0	278.1	2.0
09	01	01	1	08	-4.1	0.078	-9.000	-9.000	-999.	53.	10.3	0.11	0.90	0.75	1.76	13.	10.0	277.5	2.0
09	01	01	1	09	-6.3	0.246	-9.000	-9.000	-999.	292.	211.6	0.12	0.90	0.40	2.86	347.	10.0	278.1	2.0
09	01	01	1	10	6.6	0.303	0.261	0.016	96.	401.	-378.3	0.11	0.90	0.27	3.36	51.	10.0	278.8	2.0
09	01	01	1	11	15.4	0.317	0.422	0.017	176.	429.	-186.8	0.07	0.90	0.23	3.86	94.	10.0	279.9	2.0
09	01	01	1	12	47.5	0.448	0.742	0.017	309.	720.	-170.5	0.11	0.90	0.22	4.86	56.	10.0	280.9	2.0
09	01	01	1	13	49.0	0.405	0.820	0.014	403.	621.	-122.0	0.07	0.90	0.21	4.86	63.	10.0	281.4	2.0
09	01	01	1	14	42.7	0.405	0.809	0.014	444.	619.	-139.5	0.11	0.90	0.22	4.36	59.	10.0	282.0	2.0
09	01	01	1	15	60.8	0.372	0.922	0.014	463.	545.	-75.6	0.07	0.90	0.25	4.36	72.	10.0	281.4	2.0
09	01	01	1	16	14.1	0.309	0.569	0.016	467.	414.	-187.5	0.11	0.90	0.34	3.36	54.	10.0	282.0	2.0
09	01	01	1	17	-30.4	0.311	-9.000	-9.000	-999.	417.	89.1	0.07	0.90	0.58	4.36	61.	10.0	280.4	2.0
09	01	01	1	18	-27.0	0.239	-9.000	-9.000	-999.	282.	45.2	0.11	0.90	1.00	3.36	47.	10.0	279.9	2.0
09	01	01	1	19	-14.9	0.131	-9.000	-9.000	-999.	120.	13.7	0.07	0.90	1.00	2.86	64.	10.0	279.2	2.0
09	01	01	1	20	-5.8	0.078	-9.000	-9.000	-999.	53.	7.3	0.11	0.90	1.00	1.76	47.	10.0	278.8	2.0
09	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	0.90	1.00	0.00	0.	10.0	277.5	2.0
09	01	01	1	22	-4.9	0.070	-9.000	-9.000	-999.	44.	6.2	0.07	0.90	1.00	1.76	82.	10.0	276.4	2.0
09	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	0.90	1.00	0.00	0.	10.0	277.0	2.0
09	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	0.90	1.00	0.00	0.	10.0	277.0	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
09	01	01	01	10.0	1	51.	2.86	279.3	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): GNVILALT_STR, STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
614505.02	4175037.85	0.00009	614468.57	4175048.03	0.00009
614360.90	4175065.83	0.00010	614321.91	4175072.61	0.00010

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00010 AT	(614360.90, 4175065.83, 175.21, 175.21, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00010 AT	(614321.91, 4175072.61, 175.23, 175.23, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00009 AT	(614468.57, 4175048.03, 177.05, 177.05, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00009 AT	(614505.02, 4175037.85, 177.09, 177.09, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	6TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	7TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	8TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	9TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	10TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   2 Warning Message(s)
A Total of   15235 Informational Message(s)

A Total of   43872 Hours Were Processed

A Total of   13448 Calm Hours Identified

A Total of   1787 Missing Hours Identified (4.07 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
SO W320   41   APPARM: Input Parameter May Be Out-of-Range for Parameter   QS
MX W481   43873   MAIN: Data Remaining After End of Year. Number of Hours=   48

   ****
   *** AERMOD Finishes Successfully ***
   ****

```
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE Valley Link: Greenvile Station Alt, 2025 Annual Idling DPM
   TITLETWO Traditional Diesel
   MODELOPT CONC FASTAREA
   AVERTIME ANNUAL
   URBANOPT 4656000 Other_Bay_Area
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL Greenville_Station_Alt_2040_Idling.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION GNVILALT_STR AREAPOLY   614927.604  4175545.455      205.370
** DESCRSRC Greenville Station Alternative: Platform
   LOCATION STCK1        POINT      614934.780  4175511.200      203.500
** Source Parameters **
   SRCPARAM GNVILALT_STR       0.0     3.000        10     0.700
   AREAVERT GNVILALT_STR 614927.604 4175545.455 614932.495 4175546.270
   AREAVERT GNVILALT_STR 614939.289 4175436.486 614934.397 4175436.486
   AREAVERT GNVILALT_STR 614929.506 4175508.226 614904.778 4175507.411
   AREAVERT GNVILALT_STR 614905.049 4175510.672 614927.060 4175511.759
   AREAVERT GNVILALT_STR 614927.060 4175513.118 614930.050 4175513.118
   SRCPARAM STCK1         0.000158     4.520   389.100   5.10000     0.550
   URBANSRC ALL

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Scenario 1"
   EMISFACT STCK1        HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED Greenville_Station_Alt_2040_Idling.rou
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE ..\..\..\..\metdata\AQMD\724927_Livermore\724927.SFC
   PROFFILE ..\..\..\..\metdata\AQMD\724927_Livermore\724927.PFL
   SURFDATA 23285 2009
   UAIRDATA 23230 2009 OAKLAND/WSO_AP
   PROFBASE 137.2 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   PLOTFILE ANNUAL ALL GREENVILLE_STATION_ALT_2040_IDLING.AD\Greenvill_Station_Alt_2040_annual_idling_DPM.PLT 31
   SUMMFILE Greenville_Station_Alt_2040_Idling.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 SO W320      41       APPARM: Input Parameter May Be Out-of-Range for Parameter           QS
```

```
**********************************
*** SETUP Finishes Successfully ***
**********************************
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

**Model Is Setup For Calculation of Average CONCentration Values.

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for   2 Source(s),
  for Total of   1 Urban Area(s):
  Urban Population =   4656000.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Full Conversion Assumed for NO2.
        6. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:
        FASTAREA - Use hybrid approach to optimize AREA sources;
                   also applies to LINE sources (formerly TOXICS option)
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 2 Source(s);   1 Source Group(s); and   4 Receptor(s)

               with: 1 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                 and: 0 VOLUME source(s)
                 and: 1 AREA type source(s)
                 and: 0 LINE source(s)
                 and: 0 OPENPIT source(s)
                 and: 0 BUOYANT LINE source(s) with   0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   137.20 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   3.5 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: Greenville_Station_Alt_2040_Idling.err
**File for Summary of Results: Greenville_Station_Alt_2040_Idling.sum

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
STCK1	0	0.15800E-03	614934.8	4175511.2	203.5	4.52	389.10	5.10	0.55	NO	YES	NO	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
GNVILALT_STR	0	0.00000E+00	614927.6	4175545.5	205.4	3.00	10	0.70	YES	

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	GNVILALT_STR, STCK1 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	4656000.	GNVILALT_STR, STCK1 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = STCK1 ; SOURCE TYPE = POINT :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(614505.0,	4175037.8,	177.1,	177.1,	0.0);	(614468.6,	4175048.0,	177.1,	177.1,	0.0);
(614360.9,	4175065.8,	175.2,	175.2,	0.0);	(614321.9,	4175072.6,	175.2,	175.2,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

```
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\..\..\..\metdata\AQMD\724927_Livermore\724927.SFC Met Version: 14134
Profile file: ..\..\..\..\metdata\AQMD\724927_Livermore\724927.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23285 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2009 Year: 2009

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
09	01	01	1	01	-12.6	0.221	-9.000	-9.000	-999.	250.	77.5	0.11	0.90	1.00	2.86	51.	10.0	279.2	2.0
09	01	01	1	02	-23.5	0.413	-9.000	-9.000	-999.	637.	269.8	0.11	0.90	1.00	4.86	48.	10.0	279.2	2.0
09	01	01	1	03	-11.1	0.195	-9.000	-9.000	-999.	254.	59.8	0.07	0.90	1.00	2.86	94.	10.0	278.8	2.0
09	01	01	1	04	-9.5	0.166	-9.000	-9.000	-999.	164.	43.7	0.11	0.90	1.00	2.36	53.	10.0	278.1	2.0
09	01	01	1	05	-11.1	0.195	-9.000	-9.000	-999.	206.	59.6	0.07	0.90	1.00	2.86	63.	10.0	278.1	2.0
09	01	01	1	06	-8.2	0.143	-9.000	-9.000	-999.	131.	32.3	0.07	0.90	1.00	2.36	72.	10.0	278.1	2.0
09	01	01	1	07	-8.2	0.143	-9.000	-9.000	-999.	130.	32.3	0.07	0.90	1.00	2.36	75.	10.0	278.1	2.0
09	01	01	1	08	-4.1	0.078	-9.000	-9.000	-999.	53.	10.3	0.11	0.90	0.75	1.76	13.	10.0	277.5	2.0
09	01	01	1	09	-6.3	0.246	-9.000	-9.000	-999.	292.	211.6	0.12	0.90	0.40	2.86	347.	10.0	278.1	2.0
09	01	01	1	10	6.6	0.303	0.261	0.016	96.	401.	-378.3	0.11	0.90	0.27	3.36	51.	10.0	278.8	2.0
09	01	01	1	11	15.4	0.317	0.422	0.017	176.	429.	-186.8	0.07	0.90	0.23	3.86	94.	10.0	279.9	2.0
09	01	01	1	12	47.5	0.448	0.742	0.017	309.	720.	-170.5	0.11	0.90	0.22	4.86	56.	10.0	280.9	2.0
09	01	01	1	13	49.0	0.405	0.820	0.014	403.	621.	-122.0	0.07	0.90	0.21	4.86	63.	10.0	281.4	2.0
09	01	01	1	14	42.7	0.405	0.809	0.014	444.	619.	-139.5	0.11	0.90	0.22	4.36	59.	10.0	282.0	2.0
09	01	01	1	15	60.8	0.372	0.922	0.014	463.	545.	-75.6	0.07	0.90	0.25	4.36	72.	10.0	281.4	2.0
09	01	01	1	16	14.1	0.309	0.569	0.016	467.	414.	-187.5	0.11	0.90	0.34	3.36	54.	10.0	282.0	2.0
09	01	01	1	17	-30.4	0.311	-9.000	-9.000	-999.	417.	89.1	0.07	0.90	0.58	4.36	61.	10.0	280.4	2.0
09	01	01	1	18	-27.0	0.239	-9.000	-9.000	-999.	282.	45.2	0.11	0.90	1.00	3.36	47.	10.0	279.9	2.0
09	01	01	1	19	-14.9	0.131	-9.000	-9.000	-999.	120.	13.7	0.07	0.90	1.00	2.86	64.	10.0	279.2	2.0
09	01	01	1	20	-5.8	0.078	-9.000	-9.000	-999.	53.	7.3	0.11	0.90	1.00	1.76	47.	10.0	278.8	2.0
09	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	0.90	1.00	0.00	0.	10.0	277.5	2.0
09	01	01	1	22	-4.9	0.070	-9.000	-9.000	-999.	44.	6.2	0.07	0.90	1.00	1.76	82.	10.0	276.4	2.0
09	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	0.90	1.00	0.00	0.	10.0	277.0	2.0
09	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	0.90	1.00	0.00	0.	10.0	277.0	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
09	01	01	01	10.0	1	51.	2.86	279.3	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): GNVILALT_STR, STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
614505.02	4175037.85	0.00011	614468.57	4175048.03	0.00011
614360.90	4175065.83	0.00012	614321.91	4175072.61	0.00012

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00012 AT	(614360.90, 4175065.83, 175.21, 175.21, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00012 AT	(614321.91, 4175072.61, 175.23, 175.23, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00011 AT	(614468.57, 4175048.03, 177.05, 177.05, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00011 AT	(614505.02, 4175037.85, 177.09, 177.09, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	6TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	7TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	8TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	9TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	10TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   2 Warning Message(s)
A Total of   15235 Informational Message(s)

A Total of   43872 Hours Were Processed

A Total of   13448 Calm Hours Identified

A Total of   1787 Missing Hours Identified (4.07 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
SO W320   41   APPARM: Input Parameter May Be Out-of-Range for Parameter   QS
MX W481   43873   MAIN: Data Remaining After End of Year. Number of Hours=   48

   ****
   *** AERMOD Finishes Successfully ***
   ****

```
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE Valley Link: Isabel Station, 2025 Annual Idling DPM
   TITLETWO Traditional Diesel
   MODELOPT CONC FASTAREA
   AVERTIME ANNUAL
   URBANOPT 4656000 Other_Bay_Area
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL Isabel_Station_2025_idling.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION ISABEL_STR   AREAPOLY   605694.561  4173307.420      126.730
** DESCRSRC Isabel Station: Platform and Pedestrian Overcross
   LOCATION STCK1        POINT      605793.110  4173296.280      127.260
** Source Parameters **
   SRCPARAM ISABEL_STR         0.0     3.000         8     0.700
   AREAVERT ISABEL_STR   605694.561 4173307.420 605879.390 4173307.420
   AREAVERT ISABEL_STR   605880.145 4173298.367 605789.616 4173297.613
   AREAVERT ISABEL_STR   605757.931 4173147.486 605751.896 4173148.994
   AREAVERT ISABEL_STR   605782.826 4173296.858 605693.052 4173297.613
   SRCPARAM STCK1         0.000129     4.520   389.100   5.10000     0.550
   URBANSRC ALL

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Scenario 1"
   EMISFACT STCK1        HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED Isabel_Station_2025_idling.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE ..\..\..\..\metdata\AQMD\724927_Livermore\724927.SFC
   PROFFILE ..\..\..\..\metdata\AQMD\724927_Livermore\724927.PFL
   SURFDATA 23285 2009
   UAIRDATA 23230 2009 OAKLAND/WSO_AP
   PROFBASE 137.2 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   PLOTFILE ANNUAL ALL ISABEL_STATION_2025_IDLING.AD\Isabel_Station_idling_2025_annual_DPM.PLT 31
   SUMMFILE Isabel_Station_2025_idling.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 SO W320      41       APPARM: Input Parameter May Be Out-of-Range for Parameter           QS

 ***********************************
```

```
*** SETUP Finishes Successfully ***
**********************************
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

**Model Is Setup For Calculation of Average CONCentration Values.

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for   2 Source(s),
  for Total of   1 Urban Area(s):
  Urban Population =   4656000.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Full Conversion Assumed for NO2.
        6. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:
        FASTAREA - Use hybrid approach to optimize AREA sources;
                   also applies to LINE sources (formerly TOXICS option)
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 2 Source(s);   1 Source Group(s); and   150 Receptor(s)

               with: 1 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 0 VOLUME source(s)
                and: 1 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with   0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   137.20 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   3.5 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: Isabel_Station_2025_idling.err
**File for Summary of Results: Isabel_Station_2025_idling.sum

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER EMISSION RATE PART. CATS.	(GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
STCK1	0	0.12900E-03	605793.1	4173296.3	127.3	4.52	389.10	5.10	0.55	NO	YES	NO	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
ISABEL_STR	0	0.00000E+00	605694.6	4173307.4	126.7	3.00	8	0.70	YES	

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	ISABEL_STR , STCK1 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	4656000.	ISABEL_STR , STCK1 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = STCK1 ; SOURCE TYPE = POINT :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	606326.4,	4172978.1,	130.6,	130.6,	0.0);	(	606326.4,	4172978.1,	130.6,	130.6,	0.0);
(	606351.4,	4172978.1,	131.2,	131.2,	0.0);	(	606376.4,	4172978.1,	131.5,	131.5,	0.0);
(	606401.4,	4172978.1,	131.1,	131.1,	0.0);	(	606426.4,	4172978.1,	131.2,	131.2,	0.0);
(	606451.4,	4172978.1,	131.3,	131.3,	0.0);	(	606476.4,	4172978.1,	131.3,	131.3,	0.0);
(	606501.4,	4172978.1,	130.9,	130.9,	0.0);	(	606526.4,	4172978.1,	131.3,	131.3,	0.0);
(	606551.4,	4172978.1,	131.4,	131.4,	0.0);	(	606576.4,	4172978.1,	131.8,	131.8,	0.0);
(	606601.4,	4172978.1,	131.9,	131.9,	0.0);	(	606651.4,	4172978.1,	132.1,	132.1,	0.0);
(	606676.4,	4172978.1,	132.3,	132.3,	0.0);	(	606701.4,	4172978.1,	132.6,	132.6,	0.0);
(	606726.4,	4172978.1,	133.0,	133.0,	0.0);	(	606751.4,	4172978.1,	133.4,	133.4,	0.0);
(	606776.4,	4172978.1,	133.6,	133.6,	0.0);	(	606801.4,	4172978.1,	134.0,	134.0,	0.0);
(	606826.4,	4172978.1,	134.3,	134.3,	0.0);	(	606326.4,	4173003.1,	130.5,	130.5,	0.0);
(	606351.4,	4173003.1,	131.1,	131.1,	0.0);	(	606376.4,	4173003.1,	131.5,	131.5,	0.0);
(	606401.4,	4173003.1,	131.0,	131.0,	0.0);	(	606426.4,	4173003.1,	131.2,	131.2,	0.0);
(	606451.4,	4173003.1,	131.1,	131.1,	0.0);	(	606476.4,	4173003.1,	131.3,	131.3,	0.0);
(	606501.4,	4173003.1,	131.3,	131.3,	0.0);	(	606526.4,	4173003.1,	131.2,	131.2,	0.0);
(	606576.4,	4173003.1,	131.5,	131.5,	0.0);	(	606601.4,	4173003.1,	131.8,	131.8,	0.0);
(	606651.4,	4173003.1,	132.2,	132.2,	0.0);	(	606676.4,	4173003.1,	132.3,	132.3,	0.0);
(	606701.4,	4173003.1,	132.7,	132.7,	0.0);	(	606726.4,	4173003.1,	133.1,	133.1,	0.0);
(	606751.4,	4173003.1,	133.5,	133.5,	0.0);	(	606776.4,	4173003.1,	133.7,	133.7,	0.0);
(	606801.4,	4173003.1,	134.2,	134.2,	0.0);	(	606326.4,	4173028.1,	130.4,	130.4,	0.0);
(	606351.4,	4173028.1,	130.9,	130.9,	0.0);	(	606376.4,	4173028.1,	131.3,	131.3,	0.0);
(	606401.4,	4173028.1,	131.0,	131.0,	0.0);	(	606426.4,	4173028.1,	131.5,	131.5,	0.0);
(	606451.4,	4173028.1,	131.5,	131.5,	0.0);	(	606476.4,	4173028.1,	131.6,	131.6,	0.0);
(	606501.4,	4173028.1,	131.6,	131.6,	0.0);	(	606526.4,	4173028.1,	131.6,	131.6,	0.0);
(	606576.4,	4173028.1,	131.6,	131.6,	0.0);	(	606601.4,	4173028.1,	131.8,	131.8,	0.0);
(	606651.4,	4173028.1,	132.4,	132.4,	0.0);	(	606676.4,	4173028.1,	132.5,	132.5,	0.0);
(	606701.4,	4173028.1,	132.8,	132.8,	0.0);	(	606726.4,	4173028.1,	133.2,	133.2,	0.0);
(	606751.4,	4173028.1,	133.7,	133.7,	0.0);	(	606776.4,	4173028.1,	133.8,	133.8,	0.0);
(	606326.4,	4173053.1,	130.3,	130.3,	0.0);	(	606351.4,	4173053.1,	130.8,	130.8,	0.0);
(	606376.4,	4173053.1,	131.1,	131.1,	0.0);	(	606401.4,	4173053.1,	130.8,	130.8,	0.0);
(	606426.4,	4173053.1,	131.2,	131.2,	0.0);	(	606451.4,	4173053.1,	131.7,	131.7,	0.0);
(	606476.4,	4173053.1,	131.3,	131.3,	0.0);	(	606501.4,	4173053.1,	131.4,	131.4,	0.0);
(	606526.4,	4173053.1,	131.2,	131.2,	0.0);	(	606576.4,	4173053.1,	131.9,	131.9,	0.0);
(	606601.4,	4173053.1,	131.9,	131.9,	0.0);	(	606651.4,	4173053.1,	132.4,	132.4,	0.0);
(	606676.4,	4173053.1,	132.4,	132.4,	0.0);	(	606701.4,	4173053.1,	133.0,	133.0,	0.0);
(	606726.4,	4173053.1,	133.4,	133.4,	0.0);	(	606751.4,	4173053.1,	133.8,	133.8,	0.0);
(	606326.4,	4173078.1,	130.2,	130.2,	0.0);	(	606351.4,	4173078.1,	130.6,	130.6,	0.0);
(	606376.4,	4173078.1,	130.9,	130.9,	0.0);	(	606401.4,	4173078.1,	130.5,	130.5,	0.0);
(	606426.4,	4173078.1,	131.1,	131.1,	0.0);	(	606451.4,	4173078.1,	131.6,	131.6,	0.0);
(	606476.4,	4173078.1,	131.0,	131.0,	0.0);	(	606501.4,	4173078.1,	131.2,	131.2,	0.0);
(	606526.4,	4173078.1,	131.7,	131.7,	0.0);	(	606576.4,	4173078.1,	131.8,	131.8,	0.0);
(	606601.4,	4173078.1,	132.0,	132.0,	0.0);	(	606651.4,	4173078.1,	132.6,	132.6,	0.0);
(	606676.4,	4173078.1,	132.7,	132.7,	0.0);	(	606701.4,	4173078.1,	133.1,	133.1,	0.0);
(	606726.4,	4173078.1,	133.5,	133.5,	0.0);	(	606326.4,	4173103.1,	130.1,	130.1,	0.0);
(	606351.4,	4173103.1,	130.6,	130.6,	0.0);	(	606376.4,	4173103.1,	130.6,	130.6,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(606401.4,	4173103.1,	130.3,	130.3,	0.0);	(606426.4,	4173103.1,	131.0,	131.0,	0.0);
(606451.4,	4173103.1,	131.7,	131.7,	0.0);	(606476.4,	4173103.1,	131.6,	131.6,	0.0);
(606501.4,	4173103.1,	131.7,	131.7,	0.0);	(606526.4,	4173103.1,	131.9,	131.9,	0.0);
(606576.4,	4173103.1,	131.9,	131.9,	0.0);	(606601.4,	4173103.1,	132.3,	132.3,	0.0);
(606651.4,	4173103.1,	132.8,	132.8,	0.0);	(606676.4,	4173103.1,	132.8,	132.8,	0.0);
(606701.4,	4173103.1,	133.2,	133.2,	0.0);	(606326.4,	4173128.1,	130.0,	130.0,	0.0);
(606351.4,	4173128.1,	130.2,	130.2,	0.0);	(606376.4,	4173128.1,	130.1,	130.1,	0.0);
(606401.4,	4173128.1,	130.1,	130.1,	0.0);	(606426.4,	4173128.1,	130.6,	130.6,	0.0);
(606451.4,	4173128.1,	131.0,	131.0,	0.0);	(606476.4,	4173128.1,	131.1,	131.1,	0.0);
(606501.4,	4173128.1,	131.3,	131.3,	0.0);	(606651.4,	4173128.1,	132.9,	132.9,	0.0);
(606326.4,	4173153.1,	129.8,	129.8,	0.0);	(606351.4,	4173153.1,	129.9,	129.9,	0.0);
(606376.4,	4173153.1,	129.9,	129.9,	0.0);	(606401.4,	4173153.1,	129.9,	129.9,	0.0);
(606426.4,	4173153.1,	130.3,	130.3,	0.0);	(606451.4,	4173153.1,	130.5,	130.5,	0.0);
(606608.0,	4173140.0,	132.7,	132.7,	0.0);	(606577.0,	4173126.0,	131.7,	131.7,	0.0);
(606532.0,	4173120.0,	131.9,	131.9,	0.0);	(606267.0,	4173431.0,	131.7,	131.7,	0.0);
(606280.0,	4173487.0,	133.4,	133.4,	0.0);	(606272.0,	4173530.0,	134.6,	134.6,	0.0);
(606273.0,	4173570.0,	135.7,	135.7,	0.0);	(606316.7,	4173425.8,	131.7,	131.7,	0.0);
(606366.5,	4173420.5,	132.2,	132.2,	0.0);	(606416.2,	4173415.3,	133.2,	133.2,	0.0);
(606465.9,	4173410.1,	133.2,	133.2,	0.0);	(606515.6,	4173404.9,	134.2,	134.2,	0.0);
(606565.4,	4173399.6,	135.0,	135.0,	0.0);	(606329.7,	4173481.8,	133.2,	133.2,	0.0);
(606379.5,	4173476.5,	133.8,	133.8,	0.0);	(606429.2,	4173471.3,	134.3,	134.3,	0.0);
(606478.9,	4173466.1,	135.0,	135.0,	0.0);	(606528.6,	4173460.9,	135.6,	135.6,	0.0);
(606578.4,	4173455.6,	136.5,	136.5,	0.0);	(606321.7,	4173524.8,	134.5,	134.5,	0.0);
(606371.5,	4173519.5,	134.9,	134.9,	0.0);	(606421.2,	4173514.3,	135.5,	135.5,	0.0);
(606470.9,	4173509.1,	136.0,	136.0,	0.0);	(606520.6,	4173503.9,	136.5,	136.5,	0.0);
(606570.4,	4173498.6,	137.3,	137.3,	0.0);	(606322.7,	4173564.8,	136.0,	136.0,	0.0);
(606372.5,	4173559.5,	136.1,	136.1,	0.0);	(606422.2,	4173554.3,	136.8,	136.8,	0.0);
(606471.9,	4173549.1,	137.4,	137.4,	0.0);	(606521.6,	4173543.9,	136.9,	136.9,	0.0);
(606571.4,	4173538.6,	138.5,	138.5,	0.0);	(606053.0,	4172865.0,	129.8,	129.8,	0.0);
(606051.0,	4172837.0,	130.0,	130.0,	0.0);	(606067.0,	4172883.0,	130.0,	130.0,	0.0);

```
                                         *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                            (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1

               NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.


                               *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                                         (METERS/SEC)

                                               1.54,   3.09,   5.14,   8.23,  10.80,
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\..\..\..\metdata\AQMD\724927_Livermore\724927.SFC Met Version: 14134
Profile file: ..\..\..\..\metdata\AQMD\724927_Livermore\724927.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23285 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2009 Year: 2009

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
09	01	01	1	01	-12.6	0.221	-9.000	-9.000	-999.	250.	77.5	0.11	0.90	1.00	2.86	51.	10.0	279.2	2.0
09	01	01	1	02	-23.5	0.413	-9.000	-9.000	-999.	637.	269.8	0.11	0.90	1.00	4.86	48.	10.0	279.2	2.0
09	01	01	1	03	-11.1	0.195	-9.000	-9.000	-999.	254.	59.8	0.07	0.90	1.00	2.86	94.	10.0	278.8	2.0
09	01	01	1	04	-9.5	0.166	-9.000	-9.000	-999.	164.	43.7	0.11	0.90	1.00	2.36	53.	10.0	278.1	2.0
09	01	01	1	05	-11.1	0.195	-9.000	-9.000	-999.	206.	59.6	0.07	0.90	1.00	2.86	63.	10.0	278.1	2.0
09	01	01	1	06	-8.2	0.143	-9.000	-9.000	-999.	131.	32.3	0.07	0.90	1.00	2.36	72.	10.0	278.1	2.0
09	01	01	1	07	-8.2	0.143	-9.000	-9.000	-999.	130.	32.3	0.07	0.90	1.00	2.36	75.	10.0	278.1	2.0
09	01	01	1	08	-4.1	0.078	-9.000	-9.000	-999.	53.	10.3	0.11	0.90	0.75	1.76	13.	10.0	277.5	2.0
09	01	01	1	09	-6.3	0.246	-9.000	-9.000	-999.	292.	211.6	0.12	0.90	0.40	2.86	347.	10.0	278.1	2.0
09	01	01	1	10	6.6	0.303	0.261	0.016	96.	401.	-378.3	0.11	0.90	0.27	3.36	51.	10.0	278.8	2.0
09	01	01	1	11	15.4	0.317	0.422	0.017	176.	429.	-186.8	0.07	0.90	0.23	3.86	94.	10.0	279.9	2.0
09	01	01	1	12	47.5	0.448	0.742	0.017	309.	720.	-170.5	0.11	0.90	0.22	4.86	56.	10.0	280.9	2.0
09	01	01	1	13	49.0	0.405	0.820	0.014	403.	621.	-122.0	0.07	0.90	0.21	4.86	63.	10.0	281.4	2.0
09	01	01	1	14	42.7	0.405	0.809	0.014	444.	619.	-139.5	0.11	0.90	0.22	4.36	59.	10.0	282.0	2.0
09	01	01	1	15	60.8	0.372	0.922	0.014	463.	545.	-75.6	0.07	0.90	0.25	4.36	72.	10.0	281.4	2.0
09	01	01	1	16	14.1	0.309	0.569	0.016	467.	414.	-187.5	0.11	0.90	0.34	3.36	54.	10.0	282.0	2.0
09	01	01	1	17	-30.4	0.311	-9.000	-9.000	-999.	417.	89.1	0.07	0.90	0.58	4.36	61.	10.0	280.4	2.0
09	01	01	1	18	-27.0	0.239	-9.000	-9.000	-999.	282.	45.2	0.11	0.90	1.00	3.36	47.	10.0	279.9	2.0
09	01	01	1	19	-14.9	0.131	-9.000	-9.000	-999.	120.	13.7	0.07	0.90	1.00	2.86	64.	10.0	279.2	2.0
09	01	01	1	20	-5.8	0.078	-9.000	-9.000	-999.	53.	7.3	0.11	0.90	1.00	1.76	47.	10.0	278.8	2.0
09	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	0.90	1.00	0.00	0.	10.0	277.5	2.0
09	01	01	1	22	-4.9	0.070	-9.000	-9.000	-999.	44.	6.2	0.07	0.90	1.00	1.76	82.	10.0	276.4	2.0
09	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	0.90	1.00	0.00	0.	10.0	277.0	2.0
09	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	0.90	1.00	0.00	0.	10.0	277.0	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
09	01	01	01	10.0	1	51.	2.86	279.3	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): ISABEL_STR , STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
606326.42	4172978.07	0.00021	606326.42	4172978.07	0.00021
606351.42	4172978.07	0.00021	606376.42	4172978.07	0.00020
606401.42	4172978.07	0.00019	606426.42	4172978.07	0.00019
606451.42	4172978.07	0.00018	606476.42	4172978.07	0.00017
606501.42	4172978.07	0.00017	606526.42	4172978.07	0.00016
606551.42	4172978.07	0.00015	606576.42	4172978.07	0.00015
606601.42	4172978.07	0.00014	606651.42	4172978.07	0.00013
606676.42	4172978.07	0.00013	606701.42	4172978.07	0.00012
606726.42	4172978.07	0.00012	606751.42	4172978.07	0.00011
606776.42	4172978.07	0.00011	606801.42	4172978.07	0.00011
606826.42	4172978.07	0.00010	606326.42	4173003.07	0.00023
606351.42	4173003.07	0.00022	606376.42	4173003.07	0.00021
606401.42	4173003.07	0.00020	606426.42	4173003.07	0.00019
606451.42	4173003.07	0.00019	606476.42	4173003.07	0.00018
606501.42	4173003.07	0.00017	606526.42	4173003.07	0.00016
606576.42	4173003.07	0.00015	606601.42	4173003.07	0.00015
606651.42	4173003.07	0.00013	606676.42	4173003.07	0.00013
606701.42	4173003.07	0.00012	606726.42	4173003.07	0.00012
606751.42	4173003.07	0.00012	606776.42	4173003.07	0.00011
606801.42	4173003.07	0.00011	606326.42	4173028.07	0.00024
606351.42	4173028.07	0.00023	606376.42	4173028.07	0.00022
606401.42	4173028.07	0.00021	606426.42	4173028.07	0.00020
606451.42	4173028.07	0.00019	606476.42	4173028.07	0.00019
606501.42	4173028.07	0.00018	606526.42	4173028.07	0.00017
606576.42	4173028.07	0.00016	606601.42	4173028.07	0.00015
606651.42	4173028.07	0.00014	606676.42	4173028.07	0.00013
606701.42	4173028.07	0.00013	606726.42	4173028.07	0.00012
606751.42	4173028.07	0.00012	606776.42	4173028.07	0.00011
606326.42	4173053.07	0.00026	606351.42	4173053.07	0.00025
606376.42	4173053.07	0.00023	606401.42	4173053.07	0.00022
606426.42	4173053.07	0.00021	606451.42	4173053.07	0.00020
606476.42	4173053.07	0.00019	606501.42	4173053.07	0.00018
606526.42	4173053.07	0.00017	606576.42	4173053.07	0.00016
606601.42	4173053.07	0.00015	606651.42	4173053.07	0.00014
606676.42	4173053.07	0.00013	606701.42	4173053.07	0.00013
606726.42	4173053.07	0.00012	606751.42	4173053.07	0.00012
606326.42	4173078.07	0.00027	606351.42	4173078.07	0.00026
606376.42	4173078.07	0.00024	606401.42	4173078.07	0.00023
606426.42	4173078.07	0.00022	606451.42	4173078.07	0.00021
606476.42	4173078.07	0.00020	606501.42	4173078.07	0.00019

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): ISABEL_STR , STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
606526.42	4173078.07	0.00018	606576.42	4173078.07	0.00016
606601.42	4173078.07	0.00015	606651.42	4173078.07	0.00014
606676.42	4173078.07	0.00013	606701.42	4173078.07	0.00013
606726.42	4173078.07	0.00012	606326.42	4173103.07	0.00028
606351.42	4173103.07	0.00027	606376.42	4173103.07	0.00025
606401.42	4173103.07	0.00024	606426.42	4173103.07	0.00022
606451.42	4173103.07	0.00021	606476.42	4173103.07	0.00020
606501.42	4173103.07	0.00019	606526.42	4173103.07	0.00018
606576.42	4173103.07	0.00016	606601.42	4173103.07	0.00016
606651.42	4173103.07	0.00014	606676.42	4173103.07	0.00013
606701.42	4173103.07	0.00013	606326.42	4173128.07	0.00029
606351.42	4173128.07	0.00027	606376.42	4173128.07	0.00026
606401.42	4173128.07	0.00024	606426.42	4173128.07	0.00023
606451.42	4173128.07	0.00021	606476.42	4173128.07	0.00020
606501.42	4173128.07	0.00019	606651.42	4173128.07	0.00014
606326.42	4173153.07	0.00030	606351.42	4173153.07	0.00028
606376.42	4173153.07	0.00026	606401.42	4173153.07	0.00024
606426.42	4173153.07	0.00023	606451.42	4173153.07	0.00022
606608.00	4173140.00	0.00015	606577.00	4173126.00	0.00016
606532.00	4173120.00	0.00018	606267.00	4173431.00	0.00024
606280.00	4173487.00	0.00020	606272.00	4173530.00	0.00018
606273.00	4173570.00	0.00016	606316.73	4173425.77	0.00021
606366.45	4173420.55	0.00019	606416.18	4173415.32	0.00017
606465.90	4173410.09	0.00016	606515.63	4173404.87	0.00014
606565.36	4173399.64	0.00013	606329.73	4173481.77	0.00018
606379.45	4173476.55	0.00016	606429.18	4173471.32	0.00015
606478.90	4173466.09	0.00013	606528.63	4173460.87	0.00012
606578.36	4173455.64	0.00011	606321.73	4173524.77	0.00016
606371.45	4173519.55	0.00015	606421.18	4173514.32	0.00013
606470.90	4173509.09	0.00012	606520.63	4173503.87	0.00011
606570.36	4173498.64	0.00011	606322.73	4173564.77	0.00014
606372.45	4173559.55	0.00013	606422.18	4173554.32	0.00012
606471.90	4173549.09	0.00011	606521.63	4173543.87	0.00011
606571.36	4173538.64	0.00010	606053.00	4172865.00	0.00011
606051.00	4172837.00	0.00009	606067.00	4172883.00	0.00012

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)				OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00030 AT	606326.42,	4173153.07,	129.81,	129.81,	0.00)	DC
	2ND HIGHEST VALUE IS	0.00029 AT	606326.42,	4173128.07,	130.01,	130.01,	0.00)	DC
	3RD HIGHEST VALUE IS	0.00028 AT	606326.42,	4173103.07,	130.10,	130.10,	0.00)	DC
	4TH HIGHEST VALUE IS	0.00028 AT	606351.42,	4173153.07,	129.90,	129.90,	0.00)	DC
	5TH HIGHEST VALUE IS	0.00027 AT	606351.42,	4173128.07,	130.21,	130.21,	0.00)	DC
	6TH HIGHEST VALUE IS	0.00027 AT	606326.42,	4173078.07,	130.19,	130.19,	0.00)	DC
	7TH HIGHEST VALUE IS	0.00027 AT	606351.42,	4173103.07,	130.57,	130.57,	0.00)	DC
	8TH HIGHEST VALUE IS	0.00026 AT	606376.42,	4173153.07,	129.86,	129.86,	0.00)	DC
	9TH HIGHEST VALUE IS	0.00026 AT	606326.42,	4173053.07,	130.31,	130.31,	0.00)	DC
	10TH HIGHEST VALUE IS	0.00026 AT	606376.42,	4173128.07,	130.12,	130.12,	0.00)	DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   2 Warning Message(s)
A Total of   15235 Informational Message(s)

A Total of   43872 Hours Were Processed

A Total of   13448 Calm Hours Identified

A Total of   1787 Missing Hours Identified (4.07 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
SO W320   41   APPARM: Input Parameter May Be Out-of-Range for Parameter   QS
MX W481   43873   MAIN: Data Remaining After End of Year. Number of Hours=   48

   ****
   *** AERMOD Finishes Successfully ***
   ****

```
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE Valley Link: Isabel Station, 2040 Annual Idling DPM
   TITLETWO Traditional Diesel
   MODELOPT CONC FASTAREA
   AVERTIME ANNUAL
   URBANOPT 4656000 Other_Bay_Area
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL Isabel_Station_2040_Ideling.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION ISABEL_STR   AREAPOLY   605694.561  4173307.420      126.730
** DESCRSRC Isabel Station: Platform and Pedestrian Overcross
   LOCATION STCK1        POINT      605793.110  4173296.280      127.260
** Source Parameters **
   SRCPARAM ISABEL_STR         0.0     3.000         8     0.700
   AREAVERT ISABEL_STR   605694.561 4173307.420 605879.390 4173307.420
   AREAVERT ISABEL_STR   605880.145 4173298.367 605789.616 4173297.613
   AREAVERT ISABEL_STR   605757.931 4173147.486 605751.896 4173148.994
   AREAVERT ISABEL_STR   605782.826 4173296.858 605693.052 4173297.613
   SRCPARAM STCK1         0.000158     4.520   389.100   5.10000     0.550
   URBANSRC ALL

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Scenario 1"
   EMISFACT STCK1        HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED Isabel_Station_2040_Ideling.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE ..\..\..\..\metdata\AQMD\724927_Livermore\724927.SFC
   PROFFILE ..\..\..\..\metdata\AQMD\724927_Livermore\724927.PFL
   SURFDATA 23285 2009
   UAIRDATA 23230 2009 OAKLAND/WSO_AP
   PROFBASE 137.2 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   PLOTFILE ANNUAL ALL ISABEL_STATION_2040_IDELING.AD\Isabel_Station_idling_2040_annual_DPM.PLT 31
   SUMMFILE Isabel_Station_2040_Ideling.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 SO W320      41       APPARM: Input Parameter May Be Out-of-Range for Parameter           QS

 ***********************************
```

```
*** SETUP Finishes Successfully ***
**********************************
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

**Model Is Setup For Calculation of Average CONCentration Values.

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for   2 Source(s),
  for Total of   1 Urban Area(s):
  Urban Population =   4656000.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Full Conversion Assumed for NO2.
        6. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:
        FASTAREA - Use hybrid approach to optimize AREA sources;
                   also applies to LINE sources (formerly TOXICS option)
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 2 Source(s);   1 Source Group(s); and   150 Receptor(s)

               with: 1 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 0 VOLUME source(s)
                and: 1 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with   0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   137.20 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   3.5 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: Isabel_Station_2040_Ideling.err
**File for Summary of Results: Isabel_Station_2040_Ideling.sum

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
STCK1	0	0.15800E-03	605793.1	4173296.3	127.3	4.52	389.10	5.10	0.55	NO	YES	NO	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
ISABEL_STR	0	0.00000E+00	605694.6	4173307.4	126.7	3.00	8	0.70	YES	

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	ISABEL_STR , STCK1 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	4656000.	ISABEL_STR , STCK1 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = STCK1 ; SOURCE TYPE = POINT :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	606326.4,	4172978.1,	130.6,	130.6,	0.0);	(606326.4,	4172978.1,	130.6,	130.6,	0.0);
(	606351.4,	4172978.1,	131.2,	131.2,	0.0);	(606376.4,	4172978.1,	131.5,	131.5,	0.0);
(	606401.4,	4172978.1,	131.1,	131.1,	0.0);	(606426.4,	4172978.1,	131.2,	131.2,	0.0);
(	606451.4,	4172978.1,	131.3,	131.3,	0.0);	(606476.4,	4172978.1,	131.3,	131.3,	0.0);
(	606501.4,	4172978.1,	130.9,	130.9,	0.0);	(606526.4,	4172978.1,	131.3,	131.3,	0.0);
(	606551.4,	4172978.1,	131.4,	131.4,	0.0);	(606576.4,	4172978.1,	131.8,	131.8,	0.0);
(	606601.4,	4172978.1,	131.9,	131.9,	0.0);	(606651.4,	4172978.1,	132.1,	132.1,	0.0);
(	606676.4,	4172978.1,	132.3,	132.3,	0.0);	(606701.4,	4172978.1,	132.6,	132.6,	0.0);
(	606726.4,	4172978.1,	133.0,	133.0,	0.0);	(606751.4,	4172978.1,	133.4,	133.4,	0.0);
(	606776.4,	4172978.1,	133.6,	133.6,	0.0);	(606801.4,	4172978.1,	134.0,	134.0,	0.0);
(	606826.4,	4172978.1,	134.3,	134.3,	0.0);	(606326.4,	4173003.1,	130.5,	130.5,	0.0);
(	606351.4,	4173003.1,	131.1,	131.1,	0.0);	(606376.4,	4173003.1,	131.5,	131.5,	0.0);
(	606401.4,	4173003.1,	131.0,	131.0,	0.0);	(606426.4,	4173003.1,	131.2,	131.2,	0.0);
(	606451.4,	4173003.1,	131.1,	131.1,	0.0);	(606476.4,	4173003.1,	131.3,	131.3,	0.0);
(	606501.4,	4173003.1,	131.3,	131.3,	0.0);	(606526.4,	4173003.1,	131.2,	131.2,	0.0);
(	606576.4,	4173003.1,	131.5,	131.5,	0.0);	(606601.4,	4173003.1,	131.8,	131.8,	0.0);
(	606651.4,	4173003.1,	132.2,	132.2,	0.0);	(606676.4,	4173003.1,	132.3,	132.3,	0.0);
(	606701.4,	4173003.1,	132.7,	132.7,	0.0);	(606726.4,	4173003.1,	133.1,	133.1,	0.0);
(	606751.4,	4173003.1,	133.5,	133.5,	0.0);	(606776.4,	4173003.1,	133.7,	133.7,	0.0);
(	606801.4,	4173003.1,	134.2,	134.2,	0.0);	(606326.4,	4173028.1,	130.4,	130.4,	0.0);
(	606351.4,	4173028.1,	130.9,	130.9,	0.0);	(606376.4,	4173028.1,	131.3,	131.3,	0.0);
(	606401.4,	4173028.1,	131.0,	131.0,	0.0);	(606426.4,	4173028.1,	131.5,	131.5,	0.0);
(	606451.4,	4173028.1,	131.5,	131.5,	0.0);	(606476.4,	4173028.1,	131.6,	131.6,	0.0);
(	606501.4,	4173028.1,	131.6,	131.6,	0.0);	(606526.4,	4173028.1,	131.6,	131.6,	0.0);
(	606576.4,	4173028.1,	131.6,	131.6,	0.0);	(606601.4,	4173028.1,	131.8,	131.8,	0.0);
(	606651.4,	4173028.1,	132.4,	132.4,	0.0);	(606676.4,	4173028.1,	132.5,	132.5,	0.0);
(	606701.4,	4173028.1,	132.8,	132.8,	0.0);	(606726.4,	4173028.1,	133.2,	133.2,	0.0);
(	606751.4,	4173028.1,	133.7,	133.7,	0.0);	(606776.4,	4173028.1,	133.8,	133.8,	0.0);
(	606326.4,	4173053.1,	130.3,	130.3,	0.0);	(606351.4,	4173053.1,	130.8,	130.8,	0.0);
(	606376.4,	4173053.1,	131.1,	131.1,	0.0);	(606401.4,	4173053.1,	130.8,	130.8,	0.0);
(	606426.4,	4173053.1,	131.2,	131.2,	0.0);	(606451.4,	4173053.1,	131.7,	131.7,	0.0);
(	606476.4,	4173053.1,	131.3,	131.3,	0.0);	(606501.4,	4173053.1,	131.4,	131.4,	0.0);
(	606526.4,	4173053.1,	131.2,	131.2,	0.0);	(606576.4,	4173053.1,	131.9,	131.9,	0.0);
(	606601.4,	4173053.1,	131.9,	131.9,	0.0);	(606651.4,	4173053.1,	132.4,	132.4,	0.0);
(	606676.4,	4173053.1,	132.4,	132.4,	0.0);	(606701.4,	4173053.1,	133.0,	133.0,	0.0);
(	606726.4,	4173053.1,	133.4,	133.4,	0.0);	(606751.4,	4173053.1,	133.8,	133.8,	0.0);
(	606326.4,	4173078.1,	130.2,	130.2,	0.0);	(606351.4,	4173078.1,	130.6,	130.6,	0.0);
(	606376.4,	4173078.1,	130.9,	130.9,	0.0);	(606401.4,	4173078.1,	130.5,	130.5,	0.0);
(	606426.4,	4173078.1,	131.1,	131.1,	0.0);	(606451.4,	4173078.1,	131.6,	131.6,	0.0);
(	606476.4,	4173078.1,	131.0,	131.0,	0.0);	(606501.4,	4173078.1,	131.2,	131.2,	0.0);
(	606526.4,	4173078.1,	131.7,	131.7,	0.0);	(606576.4,	4173078.1,	131.8,	131.8,	0.0);
(	606601.4,	4173078.1,	132.0,	132.0,	0.0);	(606651.4,	4173078.1,	132.6,	132.6,	0.0);
(	606676.4,	4173078.1,	132.7,	132.7,	0.0);	(606701.4,	4173078.1,	133.1,	133.1,	0.0);
(	606726.4,	4173078.1,	133.5,	133.5,	0.0);	(606326.4,	4173103.1,	130.1,	130.1,	0.0);
(	606351.4,	4173103.1,	130.6,	130.6,	0.0);	(606376.4,	4173103.1,	130.6,	130.6,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(606401.4,	4173103.1,	130.3,	130.3,	0.0);	(606426.4,	4173103.1,	131.0,	131.0,	0.0);
(606451.4,	4173103.1,	131.7,	131.7,	0.0);	(606476.4,	4173103.1,	131.6,	131.6,	0.0);
(606501.4,	4173103.1,	131.7,	131.7,	0.0);	(606526.4,	4173103.1,	131.9,	131.9,	0.0);
(606576.4,	4173103.1,	131.9,	131.9,	0.0);	(606601.4,	4173103.1,	132.3,	132.3,	0.0);
(606651.4,	4173103.1,	132.8,	132.8,	0.0);	(606676.4,	4173103.1,	132.8,	132.8,	0.0);
(606701.4,	4173103.1,	133.2,	133.2,	0.0);	(606326.4,	4173128.1,	130.0,	130.0,	0.0);
(606351.4,	4173128.1,	130.2,	130.2,	0.0);	(606376.4,	4173128.1,	130.1,	130.1,	0.0);
(606401.4,	4173128.1,	130.1,	130.1,	0.0);	(606426.4,	4173128.1,	130.6,	130.6,	0.0);
(606451.4,	4173128.1,	131.0,	131.0,	0.0);	(606476.4,	4173128.1,	131.1,	131.1,	0.0);
(606501.4,	4173128.1,	131.3,	131.3,	0.0);	(606651.4,	4173128.1,	132.9,	132.9,	0.0);
(606326.4,	4173153.1,	129.8,	129.8,	0.0);	(606351.4,	4173153.1,	129.9,	129.9,	0.0);
(606376.4,	4173153.1,	129.9,	129.9,	0.0);	(606401.4,	4173153.1,	129.9,	129.9,	0.0);
(606426.4,	4173153.1,	130.3,	130.3,	0.0);	(606451.4,	4173153.1,	130.5,	130.5,	0.0);
(606608.0,	4173140.0,	132.7,	132.7,	0.0);	(606577.0,	4173126.0,	131.7,	131.7,	0.0);
(606532.0,	4173120.0,	131.9,	131.9,	0.0);	(606267.0,	4173431.0,	131.7,	131.7,	0.0);
(606280.0,	4173487.0,	133.4,	133.4,	0.0);	(606272.0,	4173530.0,	134.6,	134.6,	0.0);
(606273.0,	4173570.0,	135.7,	135.7,	0.0);	(606316.7,	4173425.8,	131.7,	131.7,	0.0);
(606366.5,	4173420.5,	132.2,	132.2,	0.0);	(606416.2,	4173415.3,	133.2,	133.2,	0.0);
(606465.9,	4173410.1,	133.2,	133.2,	0.0);	(606515.6,	4173404.9,	134.2,	134.2,	0.0);
(606565.4,	4173399.6,	135.0,	135.0,	0.0);	(606329.7,	4173481.8,	133.2,	133.2,	0.0);
(606379.5,	4173476.5,	133.8,	133.8,	0.0);	(606429.2,	4173471.3,	134.3,	134.3,	0.0);
(606478.9,	4173466.1,	135.0,	135.0,	0.0);	(606528.6,	4173460.9,	135.6,	135.6,	0.0);
(606578.4,	4173455.6,	136.5,	136.5,	0.0);	(606321.7,	4173524.8,	134.5,	134.5,	0.0);
(606371.5,	4173519.5,	134.9,	134.9,	0.0);	(606421.2,	4173514.3,	135.5,	135.5,	0.0);
(606470.9,	4173509.1,	136.0,	136.0,	0.0);	(606520.6,	4173503.9,	136.5,	136.5,	0.0);
(606570.4,	4173498.6,	137.3,	137.3,	0.0);	(606322.7,	4173564.8,	136.0,	136.0,	0.0);
(606372.5,	4173559.5,	136.1,	136.1,	0.0);	(606422.2,	4173554.3,	136.8,	136.8,	0.0);
(606471.9,	4173549.1,	137.4,	137.4,	0.0);	(606521.6,	4173543.9,	136.9,	136.9,	0.0);
(606571.4,	4173538.6,	138.5,	138.5,	0.0);	(606053.0,	4172865.0,	129.8,	129.8,	0.0);
(606051.0,	4172837.0,	130.0,	130.0,	0.0);	(606067.0,	4172883.0,	130.0,	130.0,	0.0);

```
*** MODELOPTs:    NonDFAULT  CONC  ELEV  FASTAREA  URBAN

                              *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1

               NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.


                          *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                                (METERS/SEC)

                                         1.54,   3.09,   5.14,   8.23,  10.80,
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\..\..\..\metdata\AQMD\724927_Livermore\724927.SFC Met Version: 14134
Profile file: ..\..\..\..\metdata\AQMD\724927_Livermore\724927.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23285 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2009 Year: 2009

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
09	01	01	1	01	-12.6	0.221	-9.000	-9.000	-999.	250.	77.5	0.11	0.90	1.00	2.86	51.	10.0	279.2	2.0
09	01	01	1	02	-23.5	0.413	-9.000	-9.000	-999.	637.	269.8	0.11	0.90	1.00	4.86	48.	10.0	279.2	2.0
09	01	01	1	03	-11.1	0.195	-9.000	-9.000	-999.	254.	59.8	0.07	0.90	1.00	2.86	94.	10.0	278.8	2.0
09	01	01	1	04	-9.5	0.166	-9.000	-9.000	-999.	164.	43.7	0.11	0.90	1.00	2.36	53.	10.0	278.1	2.0
09	01	01	1	05	-11.1	0.195	-9.000	-9.000	-999.	206.	59.6	0.07	0.90	1.00	2.86	63.	10.0	278.1	2.0
09	01	01	1	06	-8.2	0.143	-9.000	-9.000	-999.	131.	32.3	0.07	0.90	1.00	2.36	72.	10.0	278.1	2.0
09	01	01	1	07	-8.2	0.143	-9.000	-9.000	-999.	130.	32.3	0.07	0.90	1.00	2.36	75.	10.0	278.1	2.0
09	01	01	1	08	-4.1	0.078	-9.000	-9.000	-999.	53.	10.3	0.11	0.90	0.75	1.76	13.	10.0	277.5	2.0
09	01	01	1	09	-6.3	0.246	-9.000	-9.000	-999.	292.	211.6	0.12	0.90	0.40	2.86	347.	10.0	278.1	2.0
09	01	01	1	10	6.6	0.303	0.261	0.016	96.	401.	-378.3	0.11	0.90	0.27	3.36	51.	10.0	278.8	2.0
09	01	01	1	11	15.4	0.317	0.422	0.017	176.	429.	-186.8	0.07	0.90	0.23	3.86	94.	10.0	279.9	2.0
09	01	01	1	12	47.5	0.448	0.742	0.017	309.	720.	-170.5	0.11	0.90	0.22	4.86	56.	10.0	280.9	2.0
09	01	01	1	13	49.0	0.405	0.820	0.014	403.	621.	-122.0	0.07	0.90	0.21	4.86	63.	10.0	281.4	2.0
09	01	01	1	14	42.7	0.405	0.809	0.014	444.	619.	-139.5	0.11	0.90	0.22	4.36	59.	10.0	282.0	2.0
09	01	01	1	15	60.8	0.372	0.922	0.014	463.	545.	-75.6	0.07	0.90	0.25	4.36	72.	10.0	281.4	2.0
09	01	01	1	16	14.1	0.309	0.569	0.016	467.	414.	-187.5	0.11	0.90	0.34	3.36	54.	10.0	282.0	2.0
09	01	01	1	17	-30.4	0.311	-9.000	-9.000	-999.	417.	89.1	0.07	0.90	0.58	4.36	61.	10.0	280.4	2.0
09	01	01	1	18	-27.0	0.239	-9.000	-9.000	-999.	282.	45.2	0.11	0.90	1.00	3.36	47.	10.0	279.9	2.0
09	01	01	1	19	-14.9	0.131	-9.000	-9.000	-999.	120.	13.7	0.07	0.90	1.00	2.86	64.	10.0	279.2	2.0
09	01	01	1	20	-5.8	0.078	-9.000	-9.000	-999.	53.	7.3	0.11	0.90	1.00	1.76	47.	10.0	278.8	2.0
09	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	0.90	1.00	0.00	0.	10.0	277.5	2.0
09	01	01	1	22	-4.9	0.070	-9.000	-9.000	-999.	44.	6.2	0.07	0.90	1.00	1.76	82.	10.0	276.4	2.0
09	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	0.90	1.00	0.00	0.	10.0	277.0	2.0
09	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	0.90	1.00	0.00	0.	10.0	277.0	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
09	01	01	01	10.0	1	51.	2.86	279.3	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): ISABEL_STR , STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
606326.42	4172978.07	0.00026	606326.42	4172978.07	0.00026
606351.42	4172978.07	0.00025	606376.42	4172978.07	0.00024
606401.42	4172978.07	0.00024	606426.42	4172978.07	0.00023
606451.42	4172978.07	0.00022	606476.42	4172978.07	0.00021
606501.42	4172978.07	0.00020	606526.42	4172978.07	0.00020
606551.42	4172978.07	0.00019	606576.42	4172978.07	0.00018
606601.42	4172978.07	0.00017	606651.42	4172978.07	0.00016
606676.42	4172978.07	0.00015	606701.42	4172978.07	0.00015
606726.42	4172978.07	0.00014	606751.42	4172978.07	0.00014
606776.42	4172978.07	0.00013	606801.42	4172978.07	0.00013
606826.42	4172978.07	0.00012	606326.42	4173003.07	0.00028
606351.42	4173003.07	0.00027	606376.42	4173003.07	0.00026
606401.42	4173003.07	0.00025	606426.42	4173003.07	0.00024
606451.42	4173003.07	0.00023	606476.42	4173003.07	0.00022
606501.42	4173003.07	0.00021	606526.42	4173003.07	0.00020
606576.42	4173003.07	0.00019	606601.42	4173003.07	0.00018
606651.42	4173003.07	0.00016	606676.42	4173003.07	0.00016
606701.42	4173003.07	0.00015	606726.42	4173003.07	0.00015
606751.42	4173003.07	0.00014	606776.42	4173003.07	0.00014
606801.42	4173003.07	0.00013	606326.42	4173028.07	0.00030
606351.42	4173028.07	0.00028	606376.42	4173028.07	0.00027
606401.42	4173028.07	0.00026	606426.42	4173028.07	0.00025
606451.42	4173028.07	0.00024	606476.42	4173028.07	0.00023
606501.42	4173028.07	0.00022	606526.42	4173028.07	0.00021
606576.42	4173028.07	0.00019	606601.42	4173028.07	0.00018
606651.42	4173028.07	0.00017	606676.42	4173028.07	0.00016
606701.42	4173028.07	0.00015	606726.42	4173028.07	0.00015
606751.42	4173028.07	0.00014	606776.42	4173028.07	0.00014
606326.42	4173053.07	0.00031	606351.42	4173053.07	0.00030
606376.42	4173053.07	0.00029	606401.42	4173053.07	0.00027
606426.42	4173053.07	0.00026	606451.42	4173053.07	0.00025
606476.42	4173053.07	0.00023	606501.42	4173053.07	0.00022
606526.42	4173053.07	0.00021	606576.42	4173053.07	0.00019
606601.42	4173053.07	0.00019	606651.42	4173053.07	0.00017
606676.42	4173053.07	0.00016	606701.42	4173053.07	0.00016
606726.42	4173053.07	0.00015	606751.42	4173053.07	0.00014
606326.42	4173078.07	0.00033	606351.42	4173078.07	0.00031
606376.42	4173078.07	0.00030	606401.42	4173078.07	0.00028
606426.42	4173078.07	0.00027	606451.42	4173078.07	0.00025
606476.42	4173078.07	0.00024	606501.42	4173078.07	0.00023

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): ISABEL_STR , STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
606526.42	4173078.07	0.00022	606576.42	4173078.07	0.00020
606601.42	4173078.07	0.00019	606651.42	4173078.07	0.00017
606676.42	4173078.07	0.00016	606701.42	4173078.07	0.00016
606726.42	4173078.07	0.00015	606326.42	4173103.07	0.00034
606351.42	4173103.07	0.00033	606376.42	4173103.07	0.00031
606401.42	4173103.07	0.00029	606426.42	4173103.07	0.00027
606451.42	4173103.07	0.00026	606476.42	4173103.07	0.00025
606501.42	4173103.07	0.00023	606526.42	4173103.07	0.00022
606576.42	4173103.07	0.00020	606601.42	4173103.07	0.00019
606651.42	4173103.07	0.00017	606676.42	4173103.07	0.00017
606701.42	4173103.07	0.00016	606326.42	4173128.07	0.00036
606351.42	4173128.07	0.00033	606376.42	4173128.07	0.00031
606401.42	4173128.07	0.00030	606426.42	4173128.07	0.00028
606451.42	4173128.07	0.00026	606476.42	4173128.07	0.00025
606501.42	4173128.07	0.00023	606651.42	4173128.07	0.00017
606326.42	4173153.07	0.00036	606351.42	4173153.07	0.00034
606376.42	4173153.07	0.00032	606401.42	4173153.07	0.00030
606426.42	4173153.07	0.00028	606451.42	4173153.07	0.00026
606608.00	4173140.00	0.00019	606577.00	4173126.00	0.00020
606532.00	4173120.00	0.00022	606267.00	4173431.00	0.00029
606280.00	4173487.00	0.00024	606272.00	4173530.00	0.00021
606273.00	4173570.00	0.00019	606316.73	4173425.77	0.00026
606366.45	4173420.55	0.00024	606416.18	4173415.32	0.00021
606465.90	4173410.09	0.00019	606515.63	4173404.87	0.00017
606565.36	4173399.64	0.00016	606329.73	4173481.77	0.00022
606379.45	4173476.55	0.00020	606429.18	4173471.32	0.00018
606478.90	4173466.09	0.00016	606528.63	4173460.87	0.00015
606578.36	4173455.64	0.00014	606321.73	4173524.77	0.00020
606371.45	4173519.55	0.00018	606421.18	4173514.32	0.00016
606470.90	4173509.09	0.00015	606520.63	4173503.87	0.00014
606570.36	4173498.64	0.00013	606322.73	4173564.77	0.00018
606372.45	4173559.55	0.00016	606422.18	4173554.32	0.00015
606471.90	4173549.09	0.00014	606521.63	4173543.87	0.00013
606571.36	4173538.64	0.00012	606053.00	4172865.00	0.00013
606051.00	4172837.00	0.00011	606067.00	4172883.00	0.00015

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00036 AT	(606326.42, 4173153.07, 129.81, 129.81, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00036 AT	(606326.42, 4173128.07, 130.01, 130.01, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00034 AT	(606326.42, 4173103.07, 130.10, 130.10, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00034 AT	(606351.42, 4173153.07, 129.90, 129.90, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00033 AT	(606351.42, 4173128.07, 130.21, 130.21, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00033 AT	(606326.42, 4173078.07, 130.19, 130.19, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00033 AT	(606351.42, 4173103.07, 130.57, 130.57, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00032 AT	(606376.42, 4173153.07, 129.86, 129.86, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00031 AT	(606326.42, 4173053.07, 130.31, 130.31, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00031 AT	(606376.42, 4173128.07, 130.12, 130.12, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   2 Warning Message(s)
A Total of   15235 Informational Message(s)

A Total of   43872 Hours Were Processed

A Total of   13448 Calm Hours Identified

A Total of   1787 Missing Hours Identified (4.07 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
SO W320   41   APPARM: Input Parameter May Be Out-of-Range for Parameter   QS
MX W481   43873   MAIN: Data Remaining After End of Year. Number of Hours=   48

   ****
   *** AERMOD Finishes Successfully ***
   ****

```
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE Valley Link: Mountain House Station, 2025 Annual Idling DPM
   TITLETWO Traditional Diesel
   MODELOPT CONC FASTAREA
   AVERTIME ANNUAL
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL Mountain_House_Station_2025_Idling.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION MNHS_STR     AREAPOLY   629179.305  4175048.660       86.090
** DESCRSRC Mountain House Station: Platform and Pedanstrian Crossing
   LOCATION STCK1        POINT      629254.030  4175056.300       86.090
** Source Parameters **
   SRCPARAM MNHS_STR           0.0     3.000        16     0.700
   AREAVERT MNHS_STR     629179.305 4175048.660 629180.153 4175060.252
   AREAVERT MNHS_STR     629194.007 4175059.121 629194.007 4175060.535
   AREAVERT MNHS_STR     629315.012 4175049.791 629315.012 4175048.378
   AREAVERT MNHS_STR     629329.714 4175047.529 629328.300 4175034.807
   AREAVERT MNHS_STR     629321.797 4175035.655 629322.363 4175043.854
   AREAVERT MNHS_STR     629314.729 4175044.419 629314.729 4175043.854
   AREAVERT MNHS_STR     629193.441 4175053.749 629193.441 4175055.163
   AREAVERT MNHS_STR     629185.525 4175055.446 629185.242 4175047.812
   SRCPARAM STCK1        0.0000659     4.520   389.100   5.10000     0.550

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Scenario 1"
   EMISFACT STCK1        HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED Mountain_House_Station_2025_Idling.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08.SFC
   PROFFILE ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08.PFL
   SURFDATA 99008 2004
   UAIRDATA 66666 2004
   PROFBASE 158.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   PLOTFILE ANNUAL ALL MOUNTAIN_HOUSE_STATION_2025_IDLING.AD\Mountain_House_Station_idling_2025_annuan_DPM.PLT 31
   FILEFORM EXP
   SUMMFILE Mountain_House_Station_2025_Idling.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
```

```
SO W320      40       APPARM: Input Parameter May Be Out-of-Range for Parameter           QS

**********************************
*** SETUP Finishes Successfully ***
**********************************
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

**Model Is Setup For Calculation of Average CONCentration Values.

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses RURAL Dispersion Only.

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Full Conversion Assumed for NO2.

**Other Options Specified:
        FASTAREA - Use hybrid approach to optimize AREA sources;
                   also applies to LINE sources (formerly TOXICS option)
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 2 Source(s);   1 Source Group(s); and   2 Receptor(s)

               with: 1 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 0 VOLUME source(s)
                and: 1 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with   0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

         NOTE: Option for EXPonential format used in formatted output result files (FILEFORM Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   158.00 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   3.5 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: Mountain_House_Station_2025_Idling.err
**File for Summary of Results: Mountain_House_Station_2025_Idling.sum

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
STCK1	0	0.65900E-04	629254.0	4175056.3	86.1	4.52	389.10	5.10	0.55	NO	NO	NO	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
MNHS_STR	0	0.00000E+00	629179.3	4175048.7	86.1	3.00	16	0.70	NO	

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	MNHS_STR , STCK1 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = STCK1 ; SOURCE TYPE = POINT :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.10000E+01	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(627577.0, 4175134.0, 103.8, 109.0, 0.0); (627425.0, 4175128.0, 103.9, 111.8, 0.0);

```
*** MODELOPTs:    NonDFAULT  CONC  ELEV  FASTAREA  RURAL

                                              *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                               (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1

               NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.


                                    *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                                             (METERS/SEC)

                                                    1.54,   3.09,   5.14,   8.23,  10.80,
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08 Met Version: 16216
Profile file: ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08
Surface format: FREE
Profile format: FREE
Surface station no.: 99008 Upper air station no.: 66666
Name: UNKNOWN Name: UNKNOWN
Year: 2004 Year: 2004

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
04	01	01	1	01	-27.4	0.258	-9.000	-9.000	-999.	315.	55.9	0.09	0.77	1.00	4.10	151.	14.0	282.0	2.0
04	01	01	1	02	-33.4	0.328	-9.000	-9.000	-999.	450.	93.2	0.11	0.77	1.00	4.60	148.	14.0	282.0	2.0
04	01	01	1	03	-42.0	0.432	-9.000	-9.000	-999.	682.	170.4	0.11	0.77	1.00	5.70	144.	14.0	281.8	2.0
04	01	01	1	04	-40.3	0.482	-9.000	-9.000	-999.	801.	245.0	0.11	0.77	1.00	6.20	143.	14.0	281.6	2.0
04	01	01	1	05	-29.6	0.534	-9.000	-9.000	-999.	935.	454.9	0.11	0.77	1.00	6.70	143.	14.0	281.5	2.0
04	01	01	1	06	-32.0	0.576	-9.000	-9.000	-999.	1049.	529.7	0.11	0.77	1.00	7.20	142.	14.0	281.4	2.0
04	01	01	1	07	-34.4	0.619	-9.000	-9.000	-999.	1166.	609.6	0.11	0.77	1.00	7.70	135.	14.0	281.2	2.0
04	01	01	1	08	-36.6	0.661	-9.000	-9.000	-999.	1287.	697.1	0.11	0.77	0.73	8.20	143.	14.0	281.2	2.0
04	01	01	1	09	7.0	0.717	0.238	0.005	68.	1454.	-4692.4	0.11	0.77	0.39	8.70	137.	14.0	281.5	2.0
04	01	01	1	10	43.3	0.655	0.675	0.005	251.	1280.	-574.5	0.09	0.77	0.27	8.20	151.	14.0	282.1	2.0
04	01	01	1	11	70.4	0.549	0.930	0.005	405.	989.	-207.5	0.09	0.77	0.23	6.70	164.	14.0	283.1	2.0
04	01	01	1	12	90.7	0.480	1.217	0.005	703.	804.	-107.8	0.09	0.77	0.21	5.70	166.	14.0	284.1	2.0
04	01	01	1	13	92.9	0.395	1.327	0.005	891.	602.	-58.8	0.08	0.77	0.21	4.60	183.	14.0	284.9	2.0
04	01	01	1	14	81.1	0.321	1.332	0.005	1031.	440.	-36.0	0.08	0.77	0.22	3.60	189.	14.0	285.2	2.0
04	01	01	1	15	47.5	0.160	1.139	0.005	1104.	174.	-7.6	0.08	0.77	0.26	1.50	192.	14.0	284.5	2.0
04	01	01	1	16	19.1	0.076	0.847	0.005	1130.	56.	-2.0	0.12	0.77	0.34	0.50	54.	14.0	283.5	2.0
04	01	01	1	17	-2.6	0.061	-9.000	-9.000	-999.	36.	7.7	0.10	0.77	0.59	1.50	341.	14.0	283.1	2.0
04	01	01	1	18	-3.0	0.061	-9.000	-9.000	-999.	37.	6.9	0.11	0.77	1.00	1.50	307.	14.0	282.2	2.0
04	01	01	1	19	-9.1	0.106	-9.000	-9.000	-999.	83.	11.5	0.10	0.77	1.00	2.60	284.	14.0	281.2	2.0
04	01	01	1	20	-22.1	0.207	-9.000	-9.000	-999.	226.	35.6	0.10	0.77	1.00	3.60	267.	14.0	280.4	2.0
04	01	01	1	21	-28.4	0.265	-9.000	-9.000	-999.	327.	58.1	0.10	0.77	1.00	4.10	260.	14.0	279.8	2.0
04	01	01	1	22	-33.8	0.315	-9.000	-9.000	-999.	424.	82.1	0.10	0.77	1.00	4.60	262.	14.0	279.4	2.0
04	01	01	1	23	-33.9	0.315	-9.000	-9.000	-999.	424.	82.0	0.10	0.77	1.00	4.60	250.	14.0	279.2	2.0
04	01	01	1	24	-28.5	0.264	-9.000	-9.000	-999.	327.	57.9	0.10	0.77	1.00	4.10	240.	14.0	279.0	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
04	01	01	01	14.0	1	151.	4.10	282.1	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): MNHS_STR , STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
627577.00	4175134.00	0.00000	627425.00	4175128.00	0.00000

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00000	AT (627577.00, 4175134.00, 103.76, 109.03, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00000	AT (627425.00, 4175128.00, 103.87, 111.75, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00000	AT (0.00, 0.00, 0.00, 0.00, 0.00)		
	4TH HIGHEST VALUE IS	0.00000	AT (0.00, 0.00, 0.00, 0.00, 0.00)		
	5TH HIGHEST VALUE IS	0.00000	AT (0.00, 0.00, 0.00, 0.00, 0.00)		
	6TH HIGHEST VALUE IS	0.00000	AT (0.00, 0.00, 0.00, 0.00, 0.00)		
	7TH HIGHEST VALUE IS	0.00000	AT (0.00, 0.00, 0.00, 0.00, 0.00)		
	8TH HIGHEST VALUE IS	0.00000	AT (0.00, 0.00, 0.00, 0.00, 0.00)		
	9TH HIGHEST VALUE IS	0.00000	AT (0.00, 0.00, 0.00, 0.00, 0.00)		
	10TH HIGHEST VALUE IS	0.00000	AT (0.00, 0.00, 0.00, 0.00, 0.00)		

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   1 Warning Message(s)
A Total of   375 Informational Message(s)

A Total of   43848 Hours Were Processed

A Total of   375 Calm Hours Identified

A Total of   0 Missing Hours Identified (0.00 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
SO W320   40   APPARM: Input Parameter May Be Out-of-Range for Parameter   QS

   ****
   *** AERMOD Finishes Successfully ***
   ****

```
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE Valley Link: Mountain House Station, 2040 Annual Idling DPM
   TITLETWO Traditional Diesel
   MODELOPT CONC FASTAREA
   AVERTIME ANNUAL
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL Mountain_House_Station_2040_Idling.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION MNHS_STR     AREAPOLY   629179.305  4175048.660       86.090
** DESCRSRC Mountain House Station: Platform and Pedanstrian Crossing
   LOCATION STCK1        POINT      629254.030  4175056.300       86.090
** Source Parameters **
   SRCPARAM MNHS_STR           0.0     3.000        16     0.700
   AREAVERT MNHS_STR     629179.305 4175048.660 629180.153 4175060.252
   AREAVERT MNHS_STR     629194.007 4175059.121 629194.007 4175060.535
   AREAVERT MNHS_STR     629315.012 4175049.791 629315.012 4175048.378
   AREAVERT MNHS_STR     629329.714 4175047.529 629328.300 4175034.807
   AREAVERT MNHS_STR     629321.797 4175035.655 629322.363 4175043.854
   AREAVERT MNHS_STR     629314.729 4175044.419 629314.729 4175043.854
   AREAVERT MNHS_STR     629193.441 4175053.749 629193.441 4175055.163
   AREAVERT MNHS_STR     629185.525 4175055.446 629185.242 4175047.812
   SRCPARAM STCK1        0.0000765     4.520   389.100   5.10000     0.550

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Scenario 1"
   EMISFACT STCK1        HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED Mountain_House_Station_2040_Idling.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08.SFC
   PROFFILE ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08.PFL
   SURFDATA 99008 2004
   UAIRDATA 66666 2004
   PROFBASE 158.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   PLOTFILE ANNUAL ALL MOUNTAIN_HOUSE_STATION_2040_IDLING.AD\Mountain_House_Station_idling_2040_annuan_DPM.PLT 31
   FILEFORM EXP
   SUMMFILE Mountain_House_Station_2040_Idling.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
```

```
SO W320      40       APPARM: Input Parameter May Be Out-of-Range for Parameter           QS

**********************************
*** SETUP Finishes Successfully ***
**********************************
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

**Model Is Setup For Calculation of Average CONCentration Values.

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses RURAL Dispersion Only.

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Full Conversion Assumed for NO2.

**Other Options Specified:
        FASTAREA - Use hybrid approach to optimize AREA sources;
                   also applies to LINE sources (formerly TOXICS option)
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 2 Source(s);   1 Source Group(s); and   2 Receptor(s)

               with: 1 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 0 VOLUME source(s)
                and: 1 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with   0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

         NOTE: Option for EXPonential format used in formatted output result files (FILEFORM Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   158.00 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   3.5 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: Mountain_House_Station_2040_Idling.err
**File for Summary of Results: Mountain_House_Station_2040_Idling.sum

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
STCK1	0	0.76500E-04	629254.0	4175056.3	86.1	4.52	389.10	5.10	0.55	NO	NO	NO	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
MNHS_STR	0	0.00000E+00	629179.3	4175048.7	86.1	3.00	16	0.70	NO	

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	MNHS_STR , STCK1 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = STCK1 ; SOURCE TYPE = POINT :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.10000E+01	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(627577.0, 4175134.0, 103.8, 109.0, 0.0); (627425.0, 4175128.0, 103.9, 111.8, 0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

```
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08 Met Version: 16216
Profile file: ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08
Surface format: FREE
Profile format: FREE
Surface station no.: 99008 Upper air station no.: 66666
Name: UNKNOWN Name: UNKNOWN
Year: 2004 Year: 2004

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
04	01	01	1	01	-27.4	0.258	-9.000	-9.000	-999.	315.	55.9	0.09	0.77	1.00	4.10	151.	14.0	282.0	2.0
04	01	01	1	02	-33.4	0.328	-9.000	-9.000	-999.	450.	93.2	0.11	0.77	1.00	4.60	148.	14.0	282.0	2.0
04	01	01	1	03	-42.0	0.432	-9.000	-9.000	-999.	682.	170.4	0.11	0.77	1.00	5.70	144.	14.0	281.8	2.0
04	01	01	1	04	-40.3	0.482	-9.000	-9.000	-999.	801.	245.0	0.11	0.77	1.00	6.20	143.	14.0	281.6	2.0
04	01	01	1	05	-29.6	0.534	-9.000	-9.000	-999.	935.	454.9	0.11	0.77	1.00	6.70	143.	14.0	281.5	2.0
04	01	01	1	06	-32.0	0.576	-9.000	-9.000	-999.	1049.	529.7	0.11	0.77	1.00	7.20	142.	14.0	281.4	2.0
04	01	01	1	07	-34.4	0.619	-9.000	-9.000	-999.	1166.	609.6	0.11	0.77	1.00	7.70	135.	14.0	281.2	2.0
04	01	01	1	08	-36.6	0.661	-9.000	-9.000	-999.	1287.	697.1	0.11	0.77	0.73	8.20	143.	14.0	281.2	2.0
04	01	01	1	09	7.0	0.717	0.238	0.005	68.	1454.	-4692.4	0.11	0.77	0.39	8.70	137.	14.0	281.5	2.0
04	01	01	1	10	43.3	0.655	0.675	0.005	251.	1280.	-574.5	0.09	0.77	0.27	8.20	151.	14.0	282.1	2.0
04	01	01	1	11	70.4	0.549	0.930	0.005	405.	989.	-207.5	0.09	0.77	0.23	6.70	164.	14.0	283.1	2.0
04	01	01	1	12	90.7	0.480	1.217	0.005	703.	804.	-107.8	0.09	0.77	0.21	5.70	166.	14.0	284.1	2.0
04	01	01	1	13	92.9	0.395	1.327	0.005	891.	602.	-58.8	0.08	0.77	0.21	4.60	183.	14.0	284.9	2.0
04	01	01	1	14	81.1	0.321	1.332	0.005	1031.	440.	-36.0	0.08	0.77	0.22	3.60	189.	14.0	285.2	2.0
04	01	01	1	15	47.5	0.160	1.139	0.005	1104.	174.	-7.6	0.08	0.77	0.26	1.50	192.	14.0	284.5	2.0
04	01	01	1	16	19.1	0.076	0.847	0.005	1130.	56.	-2.0	0.12	0.77	0.34	0.50	54.	14.0	283.5	2.0
04	01	01	1	17	-2.6	0.061	-9.000	-9.000	-999.	36.	7.7	0.10	0.77	0.59	1.50	341.	14.0	283.1	2.0
04	01	01	1	18	-3.0	0.061	-9.000	-9.000	-999.	37.	6.9	0.11	0.77	1.00	1.50	307.	14.0	282.2	2.0
04	01	01	1	19	-9.1	0.106	-9.000	-9.000	-999.	83.	11.5	0.10	0.77	1.00	2.60	284.	14.0	281.2	2.0
04	01	01	1	20	-22.1	0.207	-9.000	-9.000	-999.	226.	35.6	0.10	0.77	1.00	3.60	267.	14.0	280.4	2.0
04	01	01	1	21	-28.4	0.265	-9.000	-9.000	-999.	327.	58.1	0.10	0.77	1.00	4.10	260.	14.0	279.8	2.0
04	01	01	1	22	-33.8	0.315	-9.000	-9.000	-999.	424.	82.1	0.10	0.77	1.00	4.60	262.	14.0	279.4	2.0
04	01	01	1	23	-33.9	0.315	-9.000	-9.000	-999.	424.	82.0	0.10	0.77	1.00	4.60	250.	14.0	279.2	2.0
04	01	01	1	24	-28.5	0.264	-9.000	-9.000	-999.	327.	57.9	0.10	0.77	1.00	4.10	240.	14.0	279.0	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
04	01	01	01	14.0	1	151.	4.10	282.1	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): MNHS_STR , STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
627577.00	4175134.00	0.00000	627425.00	4175128.00	0.00000

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00000	AT (627577.00, 4175134.00, 103.76, 109.03, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00000	AT (627425.00, 4175128.00, 103.87, 111.75, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00000	AT (0.00, 0.00, 0.00, 0.00, 0.00)		
	4TH HIGHEST VALUE IS	0.00000	AT (0.00, 0.00, 0.00, 0.00, 0.00)		
	5TH HIGHEST VALUE IS	0.00000	AT (0.00, 0.00, 0.00, 0.00, 0.00)		
	6TH HIGHEST VALUE IS	0.00000	AT (0.00, 0.00, 0.00, 0.00, 0.00)		
	7TH HIGHEST VALUE IS	0.00000	AT (0.00, 0.00, 0.00, 0.00, 0.00)		
	8TH HIGHEST VALUE IS	0.00000	AT (0.00, 0.00, 0.00, 0.00, 0.00)		
	9TH HIGHEST VALUE IS	0.00000	AT (0.00, 0.00, 0.00, 0.00, 0.00)		
	10TH HIGHEST VALUE IS	0.00000	AT (0.00, 0.00, 0.00, 0.00, 0.00)		

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   1 Warning Message(s)
A Total of   375 Informational Message(s)

A Total of   43848 Hours Were Processed

A Total of   375 Calm Hours Identified

A Total of   0 Missing Hours Identified (0.00 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
SO W320   40   APPARM: Input Parameter May Be Out-of-Range for Parameter   QS

   ****
   *** AERMOD Finishes Successfully ***
   ****

```
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE Valley Link: North Lathrop Station, 2025 Annual Idling DPM
   TITLETWO Traditional Diesel
   MODELOPT CONC FASTAREA
   AVERTIME ANNUAL
   URBANOPT 538000 Modesto
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL North_Lathrop_Station_2025_Idling.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION POINT        POINT      651803.600  4188339.800        6.820
** Source Parameters **
   SRCPARAM POINT        0.0000647     4.520   389.100   5.10000     0.550
   URBANSRC ALL

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Scenario 1"
   EMISFACT POINT        HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT POINT        HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT POINT        HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT POINT        HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED North_Lathrop_Station_2025_Idling.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Modesto_23258\Modesto_12-16.SFC
   PROFFILE ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Modesto_23258\Modesto_12-16.PFL
   SURFDATA 23258 2012
   UAIRDATA 23230 2012 OAKLAND/WSO_AP
   PROFBASE 30.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   PLOTFILE ANNUAL ALL NORTH_LATHROP_STATION_2025_IDLING.AD\North_Lathrop_Station_idling_2025_annual_DPM.PLT 31
   SUMMFILE North_Lathrop_Station_2025_Idling.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186      71       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50

 ***********************************
 *** SETUP Finishes Successfully ***
 ***********************************
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

**Model Is Setup For Calculation of Average CONCentration Values.

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for   1 Source(s),
  for Total of   1 Urban Area(s):
  Urban Population =   538000.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Full Conversion Assumed for NO2.
        6. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:
        FASTAREA - Use hybrid approach to optimize AREA sources;
                   also applies to LINE sources (formerly TOXICS option)
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 1 Source(s);   1 Source Group(s); and   538 Receptor(s)

               with: 1 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 0 VOLUME source(s)
                and: 0 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with   0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   30.00 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   3.6 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: North_Lathrop_Station_2025_Idling.err
**File for Summary of Results: North_Lathrop_Station_2025_Idling.sum

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
POINT	0	0.64700E-04	651803.6	4188339.8	6.8	4.52	389.10	5.10	0.55	NO	YES	NO	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	POINT ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	538000.	POINT ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = POINT ; SOURCE TYPE = POINT :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(651550.0,	4188000.0,	5.3,	5.3,	0.0);	(651575.0,	4188000.0,	5.3,	5.3,	0.0);
(651600.0,	4188000.0,	5.3,	5.3,	0.0);	(651625.0,	4188000.0,	5.3,	5.3,	0.0);
(651650.0,	4188000.0,	5.3,	5.3,	0.0);	(651675.0,	4188000.0,	5.3,	5.3,	0.0);
(651700.0,	4188000.0,	5.3,	5.3,	0.0);	(651725.0,	4188000.0,	5.3,	5.3,	0.0);
(651550.0,	4188025.0,	5.3,	5.3,	0.0);	(651575.0,	4188025.0,	5.3,	5.3,	0.0);
(651600.0,	4188025.0,	5.3,	5.3,	0.0);	(651625.0,	4188025.0,	5.3,	5.3,	0.0);
(651650.0,	4188025.0,	5.3,	5.3,	0.0);	(651675.0,	4188025.0,	5.3,	5.3,	0.0);
(651700.0,	4188025.0,	5.3,	5.3,	0.0);	(651725.0,	4188025.0,	5.3,	5.3,	0.0);
(651550.0,	4188050.0,	5.3,	5.3,	0.0);	(651575.0,	4188050.0,	5.3,	5.3,	0.0);
(651600.0,	4188050.0,	5.3,	5.3,	0.0);	(651625.0,	4188050.0,	5.3,	5.3,	0.0);
(651650.0,	4188050.0,	5.3,	5.3,	0.0);	(651675.0,	4188050.0,	5.3,	5.3,	0.0);
(651700.0,	4188050.0,	5.3,	5.3,	0.0);	(651725.0,	4188050.0,	5.3,	5.3,	0.0);
(651425.0,	4188075.0,	5.3,	5.3,	0.0);	(651450.0,	4188075.0,	5.3,	5.3,	0.0);
(651475.0,	4188075.0,	5.3,	5.3,	0.0);	(651500.0,	4188075.0,	5.3,	5.3,	0.0);
(651525.0,	4188075.0,	5.3,	5.3,	0.0);	(651550.0,	4188075.0,	5.3,	5.3,	0.0);
(651575.0,	4188075.0,	5.3,	5.3,	0.0);	(651600.0,	4188075.0,	5.3,	5.3,	0.0);
(651625.0,	4188075.0,	5.3,	5.3,	0.0);	(651650.0,	4188075.0,	5.3,	5.3,	0.0);
(651675.0,	4188075.0,	5.3,	5.3,	0.0);	(651700.0,	4188075.0,	5.3,	5.3,	0.0);
(651725.0,	4188075.0,	5.3,	5.3,	0.0);	(651425.0,	4188100.0,	5.3,	5.3,	0.0);
(651450.0,	4188100.0,	5.3,	5.3,	0.0);	(651475.0,	4188100.0,	5.3,	5.3,	0.0);
(651500.0,	4188100.0,	5.3,	5.3,	0.0);	(651525.0,	4188100.0,	5.3,	5.3,	0.0);
(651550.0,	4188100.0,	5.3,	5.3,	0.0);	(651575.0,	4188100.0,	5.3,	5.3,	0.0);
(651600.0,	4188100.0,	5.3,	5.3,	0.0);	(651625.0,	4188100.0,	5.3,	5.3,	0.0);
(651650.0,	4188100.0,	5.3,	5.3,	0.0);	(651675.0,	4188100.0,	5.3,	5.3,	0.0);
(651700.0,	4188100.0,	5.3,	5.3,	0.0);	(651725.0,	4188100.0,	5.3,	5.3,	0.0);
(651425.0,	4188125.0,	5.3,	5.3,	0.0);	(651450.0,	4188125.0,	5.3,	5.3,	0.0);
(651475.0,	4188125.0,	5.3,	5.3,	0.0);	(651500.0,	4188125.0,	5.3,	5.3,	0.0);
(651525.0,	4188125.0,	5.3,	5.3,	0.0);	(651550.0,	4188125.0,	5.3,	5.3,	0.0);
(651575.0,	4188125.0,	5.3,	5.3,	0.0);	(651600.0,	4188125.0,	5.3,	5.3,	0.0);
(651625.0,	4188125.0,	5.3,	5.3,	0.0);	(651650.0,	4188125.0,	5.3,	5.3,	0.0);
(651675.0,	4188125.0,	5.3,	5.3,	0.0);	(651700.0,	4188125.0,	5.3,	5.3,	0.0);
(651725.0,	4188125.0,	5.3,	5.3,	0.0);	(651425.0,	4188150.0,	5.3,	5.3,	0.0);
(651450.0,	4188150.0,	5.3,	5.3,	0.0);	(651475.0,	4188150.0,	5.3,	5.3,	0.0);
(651500.0,	4188150.0,	5.3,	5.3,	0.0);	(651525.0,	4188150.0,	5.3,	5.3,	0.0);
(651550.0,	4188150.0,	5.3,	5.3,	0.0);	(651575.0,	4188150.0,	5.3,	5.3,	0.0);
(651600.0,	4188150.0,	5.3,	5.3,	0.0);	(651625.0,	4188150.0,	5.3,	5.3,	0.0);
(651650.0,	4188150.0,	5.3,	5.3,	0.0);	(651675.0,	4188150.0,	5.3,	5.3,	0.0);
(651700.0,	4188150.0,	5.3,	5.3,	0.0);	(651725.0,	4188150.0,	5.3,	5.3,	0.0);
(651425.0,	4188175.0,	5.3,	5.3,	0.0);	(651450.0,	4188175.0,	5.3,	5.3,	0.0);
(651475.0,	4188175.0,	5.3,	5.3,	0.0);	(651500.0,	4188175.0,	5.3,	5.3,	0.0);
(651525.0,	4188175.0,	5.3,	5.3,	0.0);	(651550.0,	4188175.0,	5.3,	5.3,	0.0);
(651575.0,	4188175.0,	5.3,	5.3,	0.0);	(651600.0,	4188175.0,	5.3,	5.3,	0.0);
(651625.0,	4188175.0,	5.3,	5.3,	0.0);	(651650.0,	4188175.0,	5.3,	5.3,	0.0);
(651675.0,	4188175.0,	5.3,	5.3,	0.0);	(651700.0,	4188175.0,	5.3,	5.3,	0.0);
(651725.0,	4188175.0,	5.3,	5.3,	0.0);	(651425.0,	4188200.0,	5.3,	5.3,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	651450.0,	4188200.0,	5.3,	5.3,	0.0);	(651475.0,	4188200.0,	5.3,	5.3,	0.0);
(	651500.0,	4188200.0,	5.3,	5.3,	0.0);	(651525.0,	4188200.0,	5.4,	5.4,	0.0);
(	651550.0,	4188200.0,	5.4,	5.4,	0.0);	(651575.0,	4188200.0,	5.4,	5.4,	0.0);
(	651600.0,	4188200.0,	5.4,	5.4,	0.0);	(651625.0,	4188200.0,	5.4,	5.4,	0.0);
(	651650.0,	4188200.0,	5.4,	5.4,	0.0);	(651675.0,	4188200.0,	5.5,	5.5,	0.0);
(	651700.0,	4188200.0,	5.5,	5.5,	0.0);	(651725.0,	4188200.0,	5.6,	5.6,	0.0);
(	651425.0,	4188225.0,	5.5,	5.5,	0.0);	(651450.0,	4188225.0,	5.5,	5.5,	0.0);
(	651475.0,	4188225.0,	5.5,	5.5,	0.0);	(651500.0,	4188225.0,	5.5,	5.5,	0.0);
(	651525.0,	4188225.0,	5.6,	5.6,	0.0);	(651550.0,	4188225.0,	5.6,	5.6,	0.0);
(	651575.0,	4188225.0,	5.6,	5.6,	0.0);	(651600.0,	4188225.0,	5.6,	5.6,	0.0);
(	651625.0,	4188225.0,	5.7,	5.7,	0.0);	(651650.0,	4188225.0,	5.7,	5.7,	0.0);
(	651675.0,	4188225.0,	5.7,	5.7,	0.0);	(651700.0,	4188225.0,	5.8,	5.8,	0.0);
(	651725.0,	4188225.0,	6.1,	6.1,	0.0);	(651425.0,	4188250.0,	5.6,	5.6,	0.0);
(	651450.0,	4188250.0,	5.6,	5.6,	0.0);	(651475.0,	4188250.0,	5.6,	5.6,	0.0);
(	651500.0,	4188250.0,	5.7,	5.7,	0.0);	(651525.0,	4188250.0,	5.7,	5.7,	0.0);
(	651550.0,	4188250.0,	5.7,	5.7,	0.0);	(651575.0,	4188250.0,	5.8,	5.8,	0.0);
(	651600.0,	4188250.0,	5.8,	5.8,	0.0);	(651625.0,	4188250.0,	5.9,	5.9,	0.0);
(	651650.0,	4188250.0,	5.9,	5.9,	0.0);	(651675.0,	4188250.0,	6.0,	6.0,	0.0);
(	651700.0,	4188250.0,	6.1,	6.1,	0.0);	(651725.0,	4188250.0,	6.3,	6.3,	0.0);
(	651425.0,	4188275.0,	5.6,	5.6,	0.0);	(651450.0,	4188275.0,	5.7,	5.7,	0.0);
(	651475.0,	4188275.0,	5.7,	5.7,	0.0);	(651500.0,	4188275.0,	5.7,	5.7,	0.0);
(	651525.0,	4188275.0,	5.8,	5.8,	0.0);	(651550.0,	4188275.0,	5.8,	5.8,	0.0);
(	651575.0,	4188275.0,	5.9,	5.9,	0.0);	(651600.0,	4188275.0,	6.0,	6.0,	0.0);
(	651625.0,	4188275.0,	6.0,	6.0,	0.0);	(651650.0,	4188275.0,	6.1,	6.1,	0.0);
(	651675.0,	4188275.0,	6.2,	6.2,	0.0);	(651700.0,	4188275.0,	6.3,	6.3,	0.0);
(	651725.0,	4188275.0,	6.4,	6.4,	0.0);	(651425.0,	4188300.0,	5.7,	5.7,	0.0);
(	651450.0,	4188300.0,	5.7,	5.7,	0.0);	(651475.0,	4188300.0,	5.7,	5.7,	0.0);
(	651500.0,	4188300.0,	5.8,	5.8,	0.0);	(651525.0,	4188300.0,	5.8,	5.8,	0.0);
(	651550.0,	4188300.0,	5.9,	5.9,	0.0);	(651575.0,	4188300.0,	6.0,	6.0,	0.0);
(	651600.0,	4188300.0,	6.0,	6.0,	0.0);	(651625.0,	4188300.0,	6.1,	6.1,	0.0);
(	651650.0,	4188300.0,	6.2,	6.2,	0.0);	(651675.0,	4188300.0,	6.3,	6.3,	0.0);
(	651700.0,	4188300.0,	6.3,	6.3,	0.0);	(651725.0,	4188300.0,	6.4,	6.4,	0.0);
(	651425.0,	4188325.0,	5.7,	5.7,	0.0);	(651450.0,	4188325.0,	5.7,	5.7,	0.0);
(	651475.0,	4188325.0,	5.7,	5.7,	0.0);	(651500.0,	4188325.0,	5.8,	5.8,	0.0);
(	651525.0,	4188325.0,	5.8,	5.8,	0.0);	(651550.0,	4188325.0,	5.9,	5.9,	0.0);
(	651575.0,	4188325.0,	6.0,	6.0,	0.0);	(651600.0,	4188325.0,	6.0,	6.0,	0.0);
(	651625.0,	4188325.0,	6.1,	6.1,	0.0);	(651650.0,	4188325.0,	6.2,	6.2,	0.0);
(	651675.0,	4188325.0,	6.3,	6.3,	0.0);	(651700.0,	4188325.0,	6.4,	6.4,	0.0);
(	651725.0,	4188325.0,	6.4,	6.4,	0.0);	(651425.0,	4188350.0,	5.6,	5.6,	0.0);
(	651450.0,	4188350.0,	5.7,	5.7,	0.0);	(651475.0,	4188350.0,	5.7,	5.7,	0.0);
(	651500.0,	4188350.0,	5.8,	5.8,	0.0);	(651525.0,	4188350.0,	5.8,	5.8,	0.0);
(	651550.0,	4188350.0,	5.8,	5.8,	0.0);	(651575.0,	4188350.0,	5.9,	5.9,	0.0);
(	651600.0,	4188350.0,	6.0,	6.0,	0.0);	(651625.0,	4188350.0,	6.1,	6.1,	0.0);
(	651650.0,	4188350.0,	6.1,	6.1,	0.0);	(651675.0,	4188350.0,	6.2,	6.2,	0.0);
(	651700.0,	4188350.0,	6.3,	6.3,	0.0);	(651725.0,	4188350.0,	6.4,	6.4,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	651425.0,	4188375.0,	5.6,	5.6,	0.0);	(651450.0,	4188375.0,	5.6,	5.6,	0.0);
(	651475.0,	4188375.0,	5.7,	5.7,	0.0);	(651500.0,	4188375.0,	5.7,	5.7,	0.0);
(	651525.0,	4188375.0,	5.7,	5.7,	0.0);	(651550.0,	4188375.0,	5.8,	5.8,	0.0);
(	651575.0,	4188375.0,	5.8,	5.8,	0.0);	(651600.0,	4188375.0,	5.9,	5.9,	0.0);
(	651625.0,	4188375.0,	5.9,	5.9,	0.0);	(651650.0,	4188375.0,	6.0,	6.0,	0.0);
(	651675.0,	4188375.0,	6.1,	6.1,	0.0);	(651700.0,	4188375.0,	6.2,	6.2,	0.0);
(	651725.0,	4188375.0,	6.3,	6.3,	0.0);	(651425.0,	4188400.0,	5.5,	5.5,	0.0);
(	651450.0,	4188400.0,	5.5,	5.5,	0.0);	(651475.0,	4188400.0,	5.6,	5.6,	0.0);
(	651500.0,	4188400.0,	5.6,	5.6,	0.0);	(651525.0,	4188400.0,	5.6,	5.6,	0.0);
(	651550.0,	4188400.0,	5.6,	5.6,	0.0);	(651575.0,	4188400.0,	5.6,	5.6,	0.0);
(	651600.0,	4188400.0,	5.7,	5.7,	0.0);	(651625.0,	4188400.0,	5.7,	5.7,	0.0);
(	651650.0,	4188400.0,	5.8,	5.8,	0.0);	(651675.0,	4188400.0,	5.8,	5.8,	0.0);
(	651700.0,	4188400.0,	5.9,	5.9,	0.0);	(651725.0,	4188400.0,	6.1,	6.1,	0.0);
(	651425.0,	4188425.0,	5.4,	5.4,	0.0);	(651450.0,	4188425.0,	5.4,	5.4,	0.0);
(	651475.0,	4188425.0,	5.4,	5.4,	0.0);	(651500.0,	4188425.0,	5.4,	5.4,	0.0);
(	651525.0,	4188425.0,	5.4,	5.4,	0.0);	(651550.0,	4188425.0,	5.4,	5.4,	0.0);
(	651575.0,	4188425.0,	5.4,	5.4,	0.0);	(651600.0,	4188425.0,	5.5,	5.5,	0.0);
(	651625.0,	4188425.0,	5.5,	5.5,	0.0);	(651650.0,	4188425.0,	5.5,	5.5,	0.0);
(	651675.0,	4188425.0,	5.5,	5.5,	0.0);	(651700.0,	4188425.0,	5.6,	5.6,	0.0);
(	651725.0,	4188425.0,	5.8,	5.8,	0.0);	(651425.0,	4188450.0,	5.3,	5.3,	0.0);
(	651450.0,	4188450.0,	5.3,	5.3,	0.0);	(651475.0,	4188450.0,	5.3,	5.3,	0.0);
(	651500.0,	4188450.0,	5.3,	5.3,	0.0);	(651525.0,	4188450.0,	5.3,	5.3,	0.0);
(	651550.0,	4188450.0,	5.3,	5.3,	0.0);	(651575.0,	4188450.0,	5.3,	5.3,	0.0);
(	651600.0,	4188450.0,	5.3,	5.3,	0.0);	(651625.0,	4188450.0,	5.3,	5.3,	0.0);
(	651650.0,	4188450.0,	5.3,	5.3,	0.0);	(651675.0,	4188450.0,	5.3,	5.3,	0.0);
(	651700.0,	4188450.0,	5.3,	5.3,	0.0);	(651725.0,	4188450.0,	5.4,	5.4,	0.0);
(	651425.0,	4188475.0,	5.2,	5.2,	0.0);	(651450.0,	4188475.0,	5.2,	5.2,	0.0);
(	651475.0,	4188475.0,	5.2,	5.2,	0.0);	(651500.0,	4188475.0,	5.2,	5.2,	0.0);
(	651525.0,	4188475.0,	5.2,	5.2,	0.0);	(651550.0,	4188475.0,	5.2,	5.2,	0.0);
(	651575.0,	4188475.0,	5.3,	5.3,	0.0);	(651600.0,	4188475.0,	5.3,	5.3,	0.0);
(	651625.0,	4188475.0,	5.3,	5.3,	0.0);	(651650.0,	4188475.0,	5.3,	5.3,	0.0);
(	651675.0,	4188475.0,	5.3,	5.3,	0.0);	(651700.0,	4188475.0,	5.3,	5.3,	0.0);
(	651725.0,	4188475.0,	5.3,	5.3,	0.0);	(651425.0,	4188500.0,	5.2,	5.2,	0.0);
(	651450.0,	4188500.0,	5.2,	5.2,	0.0);	(651475.0,	4188500.0,	5.2,	5.2,	0.0);
(	651500.0,	4188500.0,	5.2,	5.2,	0.0);	(651525.0,	4188500.0,	5.2,	5.2,	0.0);
(	651550.0,	4188500.0,	5.2,	5.2,	0.0);	(651575.0,	4188500.0,	5.2,	5.2,	0.0);
(	651600.0,	4188500.0,	5.2,	5.2,	0.0);	(651625.0,	4188500.0,	5.2,	5.2,	0.0);
(	651650.0,	4188500.0,	5.2,	5.2,	0.0);	(651675.0,	4188500.0,	5.2,	5.2,	0.0);
(	651700.0,	4188500.0,	5.2,	5.2,	0.0);	(651725.0,	4188500.0,	5.2,	5.2,	0.0);
(	651425.0,	4188525.0,	5.1,	5.1,	0.0);	(651450.0,	4188525.0,	5.1,	5.1,	0.0);
(	651475.0,	4188525.0,	5.1,	5.1,	0.0);	(651500.0,	4188525.0,	5.1,	5.1,	0.0);
(	651525.0,	4188525.0,	5.2,	5.2,	0.0);	(651550.0,	4188525.0,	5.2,	5.2,	0.0);
(	651575.0,	4188525.0,	5.2,	5.2,	0.0);	(651600.0,	4188525.0,	5.2,	5.2,	0.0);
(	651625.0,	4188525.0,	5.2,	5.2,	0.0);	(651650.0,	4188525.0,	5.2,	5.2,	0.0);
(	651675.0,	4188525.0,	5.2,	5.2,	0.0);	(651700.0,	4188525.0,	5.2,	5.2,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	651725.0,	4188525.0,	5.2,	5.2,	0.0);	(	651425.0,	4188550.0,	5.1,	5.1,	0.0);
(	651450.0,	4188550.0,	5.1,	5.1,	0.0);	(	651475.0,	4188550.0,	5.1,	5.1,	0.0);
(	651500.0,	4188550.0,	5.1,	5.1,	0.0);	(	651525.0,	4188550.0,	5.1,	5.1,	0.0);
(	651550.0,	4188550.0,	5.1,	5.1,	0.0);	(	651575.0,	4188550.0,	5.1,	5.1,	0.0);
(	651600.0,	4188550.0,	5.1,	5.1,	0.0);	(	651625.0,	4188550.0,	5.2,	5.2,	0.0);
(	651650.0,	4188550.0,	5.2,	5.2,	0.0);	(	651675.0,	4188550.0,	5.2,	5.2,	0.0);
(	651700.0,	4188550.0,	5.2,	5.2,	0.0);	(	651725.0,	4188550.0,	5.2,	5.2,	0.0);
(	651425.0,	4188575.0,	5.1,	5.1,	0.0);	(	651450.0,	4188575.0,	5.1,	5.1,	0.0);
(	651475.0,	4188575.0,	5.1,	5.1,	0.0);	(	651500.0,	4188575.0,	5.1,	5.1,	0.0);
(	651525.0,	4188575.0,	5.1,	5.1,	0.0);	(	651550.0,	4188575.0,	5.1,	5.1,	0.0);
(	651575.0,	4188575.0,	5.1,	5.1,	0.0);	(	651600.0,	4188575.0,	5.1,	5.1,	0.0);
(	651625.0,	4188575.0,	5.1,	5.1,	0.0);	(	651650.0,	4188575.0,	5.1,	5.1,	0.0);
(	651675.0,	4188575.0,	5.2,	5.2,	0.0);	(	651700.0,	4188575.0,	5.2,	5.2,	0.0);
(	651725.0,	4188575.0,	5.2,	5.2,	0.0);	(	651425.0,	4188600.0,	5.1,	5.1,	0.0);
(	651450.0,	4188600.0,	5.1,	5.1,	0.0);	(	651475.0,	4188600.0,	5.1,	5.1,	0.0);
(	651500.0,	4188600.0,	5.1,	5.1,	0.0);	(	651525.0,	4188600.0,	5.1,	5.1,	0.0);
(	651550.0,	4188600.0,	5.1,	5.1,	0.0);	(	651575.0,	4188600.0,	5.1,	5.1,	0.0);
(	651600.0,	4188600.0,	5.1,	5.1,	0.0);	(	651625.0,	4188600.0,	5.1,	5.1,	0.0);
(	651650.0,	4188600.0,	5.1,	5.1,	0.0);	(	651675.0,	4188600.0,	5.1,	5.1,	0.0);
(	651700.0,	4188600.0,	5.2,	5.2,	0.0);	(	651725.0,	4188600.0,	5.2,	5.2,	0.0);
(	651425.0,	4188625.0,	5.1,	5.1,	0.0);	(	651450.0,	4188625.0,	5.1,	5.1,	0.0);
(	651475.0,	4188625.0,	5.1,	5.1,	0.0);	(	651500.0,	4188625.0,	5.1,	5.1,	0.0);
(	651525.0,	4188625.0,	5.1,	5.1,	0.0);	(	651550.0,	4188625.0,	5.1,	5.1,	0.0);
(	651575.0,	4188625.0,	5.1,	5.1,	0.0);	(	651600.0,	4188625.0,	5.1,	5.1,	0.0);
(	651625.0,	4188625.0,	5.1,	5.1,	0.0);	(	651650.0,	4188625.0,	5.1,	5.1,	0.0);
(	651675.0,	4188625.0,	5.1,	5.1,	0.0);	(	651700.0,	4188625.0,	5.2,	5.2,	0.0);
(	651725.0,	4188625.0,	5.2,	5.2,	0.0);	(	651425.0,	4188650.0,	5.1,	5.1,	0.0);
(	651450.0,	4188650.0,	5.1,	5.1,	0.0);	(	651475.0,	4188650.0,	5.1,	5.1,	0.0);
(	651500.0,	4188650.0,	5.1,	5.1,	0.0);	(	651525.0,	4188650.0,	5.1,	5.1,	0.0);
(	651550.0,	4188650.0,	5.1,	5.1,	0.0);	(	651575.0,	4188650.0,	5.1,	5.1,	0.0);
(	651600.0,	4188650.0,	5.1,	5.1,	0.0);	(	651625.0,	4188650.0,	5.1,	5.1,	0.0);
(	651650.0,	4188650.0,	5.1,	5.1,	0.0);	(	651675.0,	4188650.0,	5.1,	5.1,	0.0);
(	651700.0,	4188650.0,	5.1,	5.1,	0.0);	(	651725.0,	4188650.0,	5.2,	5.2,	0.0);
(	651425.0,	4188675.0,	5.1,	5.1,	0.0);	(	651450.0,	4188675.0,	5.1,	5.1,	0.0);
(	651475.0,	4188675.0,	5.1,	5.1,	0.0);	(	651500.0,	4188675.0,	5.1,	5.1,	0.0);
(	651525.0,	4188675.0,	5.1,	5.1,	0.0);	(	651550.0,	4188675.0,	5.1,	5.1,	0.0);
(	651575.0,	4188675.0,	5.1,	5.1,	0.0);	(	651600.0,	4188675.0,	5.1,	5.1,	0.0);
(	651625.0,	4188675.0,	5.1,	5.1,	0.0);	(	651650.0,	4188675.0,	5.2,	5.2,	0.0);
(	651675.0,	4188675.0,	5.2,	5.2,	0.0);	(	651700.0,	4188675.0,	5.2,	5.2,	0.0);
(	651725.0,	4188675.0,	5.2,	5.2,	0.0);	(	651425.0,	4188700.0,	5.2,	5.2,	0.0);
(	651450.0,	4188700.0,	5.2,	5.2,	0.0);	(	651475.0,	4188700.0,	5.2,	5.2,	0.0);
(	651500.0,	4188700.0,	5.2,	5.2,	0.0);	(	651525.0,	4188700.0,	5.2,	5.2,	0.0);
(	651550.0,	4188700.0,	5.2,	5.2,	0.0);	(	651575.0,	4188700.0,	5.2,	5.2,	0.0);
(	651600.0,	4188700.0,	5.2,	5.2,	0.0);	(	651625.0,	4188700.0,	5.2,	5.2,	0.0);
(	651650.0,	4188700.0,	5.2,	5.2,	0.0);	(	651675.0,	4188700.0,	5.2,	5.2,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	651700.0,	4188700.0,	5.2,	5.2,	0.0);	(	651725.0,	4188700.0,	5.2,	5.2,	0.0);
(	651475.0,	4187560.0,	5.9,	5.9,	0.0);	(	651500.0,	4187560.0,	6.0,	6.0,	0.0);
(	651525.0,	4187560.0,	6.1,	6.1,	0.0);	(	651550.0,	4187560.0,	6.1,	6.1,	0.0);
(	651575.0,	4187560.0,	6.2,	6.2,	0.0);	(	651625.0,	4187560.0,	6.4,	6.4,	0.0);
(	651650.0,	4187560.0,	6.4,	6.4,	0.0);	(	651675.0,	4187560.0,	6.5,	6.5,	0.0);
(	651700.0,	4187560.0,	6.6,	6.6,	0.0);	(	651725.0,	4187560.0,	6.6,	6.6,	0.0);
(	651750.0,	4187560.0,	6.7,	6.7,	0.0);	(	651475.0,	4187585.0,	5.9,	5.9,	0.0);
(	651500.0,	4187585.0,	6.0,	6.0,	0.0);	(	651525.0,	4187585.0,	6.1,	6.1,	0.0);
(	651550.0,	4187585.0,	6.1,	6.1,	0.0);	(	651575.0,	4187585.0,	6.2,	6.2,	0.0);
(	651625.0,	4187585.0,	6.3,	6.3,	0.0);	(	651650.0,	4187585.0,	6.4,	6.4,	0.0);
(	651675.0,	4187585.0,	6.5,	6.5,	0.0);	(	651700.0,	4187585.0,	6.5,	6.5,	0.0);
(	651725.0,	4187585.0,	6.6,	6.6,	0.0);	(	651750.0,	4187585.0,	6.7,	6.7,	0.0);
(	651475.0,	4187610.0,	6.0,	6.0,	0.0);	(	651500.0,	4187610.0,	6.1,	6.1,	0.0);
(	651525.0,	4187610.0,	6.1,	6.1,	0.0);	(	651550.0,	4187610.0,	6.2,	6.2,	0.0);
(	651575.0,	4187610.0,	6.2,	6.2,	0.0);	(	651625.0,	4187610.0,	6.3,	6.3,	0.0);
(	651650.0,	4187610.0,	6.4,	6.4,	0.0);	(	651675.0,	4187610.0,	6.4,	6.4,	0.0);
(	651700.0,	4187610.0,	6.5,	6.5,	0.0);	(	651725.0,	4187610.0,	6.6,	6.6,	0.0);
(	651750.0,	4187610.0,	6.7,	6.7,	0.0);	(	651475.0,	4187635.0,	6.2,	6.2,	0.0);
(	651500.0,	4187635.0,	6.2,	6.2,	0.0);	(	651525.0,	4187635.0,	6.2,	6.2,	0.0);
(	651550.0,	4187635.0,	6.2,	6.2,	0.0);	(	651575.0,	4187635.0,	6.2,	6.2,	0.0);
(	651625.0,	4187635.0,	6.3,	6.3,	0.0);	(	651650.0,	4187635.0,	6.3,	6.3,	0.0);
(	651675.0,	4187635.0,	6.4,	6.4,	0.0);	(	651700.0,	4187635.0,	6.5,	6.5,	0.0);
(	651725.0,	4187635.0,	6.6,	6.6,	0.0);	(	651750.0,	4187635.0,	6.7,	6.7,	0.0);
(	651475.0,	4187660.0,	6.5,	6.5,	0.0);	(	651500.0,	4187660.0,	6.4,	6.4,	0.0);
(	651525.0,	4187660.0,	6.3,	6.3,	0.0);	(	651550.0,	4187660.0,	6.2,	6.2,	0.0);
(	651575.0,	4187660.0,	6.2,	6.2,	0.0);	(	651625.0,	4187660.0,	6.2,	6.2,	0.0);
(	651650.0,	4187660.0,	6.3,	6.3,	0.0);	(	651675.0,	4187660.0,	6.4,	6.4,	0.0);
(	651700.0,	4187660.0,	6.5,	6.5,	0.0);	(	651725.0,	4187660.0,	6.6,	6.6,	0.0);
(	651750.0,	4187660.0,	6.6,	6.6,	0.0);	(	651475.0,	4187685.0,	6.8,	6.8,	0.0);
(	651500.0,	4187685.0,	6.7,	6.7,	0.0);	(	651525.0,	4187685.0,	6.5,	6.5,	0.0);
(	651550.0,	4187685.0,	6.3,	6.3,	0.0);	(	651575.0,	4187685.0,	6.2,	6.2,	0.0);
(	651625.0,	4187685.0,	6.2,	6.2,	0.0);	(	651650.0,	4187685.0,	6.3,	6.3,	0.0);
(	651675.0,	4187685.0,	6.3,	6.3,	0.0);	(	651700.0,	4187685.0,	6.4,	6.4,	0.0);
(	651725.0,	4187685.0,	6.5,	6.5,	0.0);	(	651750.0,	4187685.0,	6.6,	6.6,	0.0);
(	651475.0,	4187710.0,	6.8,	6.8,	0.0);	(	651500.0,	4187710.0,	6.8,	6.8,	0.0);
(	651525.0,	4187710.0,	6.6,	6.6,	0.0);	(	651550.0,	4187710.0,	6.3,	6.3,	0.0);
(	651575.0,	4187710.0,	6.2,	6.2,	0.0);	(	651625.0,	4187710.0,	6.1,	6.1,	0.0);
(	651650.0,	4187710.0,	6.2,	6.2,	0.0);	(	651675.0,	4187710.0,	6.2,	6.2,	0.0);
(	651700.0,	4187710.0,	6.3,	6.3,	0.0);	(	651725.0,	4187710.0,	6.4,	6.4,	0.0);
(	651750.0,	4187710.0,	6.6,	6.6,	0.0);	(	651475.0,	4187735.0,	6.9,	6.9,	0.0);
(	651500.0,	4187735.0,	6.8,	6.8,	0.0);	(	651525.0,	4187735.0,	6.6,	6.6,	0.0);
(	651550.0,	4187735.0,	6.3,	6.3,	0.0);	(	651575.0,	4187735.0,	6.2,	6.2,	0.0);
(	651625.0,	4187735.0,	6.1,	6.1,	0.0);	(	651650.0,	4187735.0,	6.1,	6.1,	0.0);
(	651675.0,	4187735.0,	6.1,	6.1,	0.0);	(	651700.0,	4187735.0,	6.1,	6.1,	0.0);
(	651725.0,	4187735.0,	6.2,	6.2,	0.0);	(	651750.0,	4187735.0,	6.5,	6.5,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(651475.0,	4187760.0,	6.8,	6.8,	0.0);	(651500.0,	4187760.0,	6.7,	6.7,	0.0);
(651525.0,	4187760.0,	6.5,	6.5,	0.0);	(651550.0,	4187760.0,	6.3,	6.3,	0.0);
(651575.0,	4187760.0,	6.1,	6.1,	0.0);	(651625.0,	4187760.0,	5.9,	5.9,	0.0);
(651650.0,	4187760.0,	5.9,	5.9,	0.0);	(651675.0,	4187760.0,	5.9,	5.9,	0.0);
(651700.0,	4187760.0,	5.8,	5.8,	0.0);	(651725.0,	4187760.0,	5.9,	5.9,	0.0);
(651750.0,	4187760.0,	6.2,	6.2,	0.0);	(651475.0,	4187785.0,	6.5,	6.5,	0.0);
(651500.0,	4187785.0,	6.5,	6.5,	0.0);	(651525.0,	4187785.0,	6.4,	6.4,	0.0);
(651550.0,	4187785.0,	6.2,	6.2,	0.0);	(651575.0,	4187785.0,	6.0,	6.0,	0.0);
(651625.0,	4187785.0,	5.8,	5.8,	0.0);	(651650.0,	4187785.0,	5.7,	5.7,	0.0);
(651675.0,	4187785.0,	5.6,	5.6,	0.0);	(651700.0,	4187785.0,	5.5,	5.5,	0.0);
(651725.0,	4187785.0,	5.5,	5.5,	0.0);	(651750.0,	4187785.0,	5.8,	5.8,	0.0);
(651475.0,	4187810.0,	6.3,	6.3,	0.0);	(651500.0,	4187810.0,	6.2,	6.2,	0.0);
(651525.0,	4187810.0,	6.1,	6.1,	0.0);	(651550.0,	4187810.0,	6.0,	6.0,	0.0);
(651575.0,	4187810.0,	5.9,	5.9,	0.0);	(651625.0,	4187810.0,	5.7,	5.7,	0.0);
(651650.0,	4187810.0,	5.5,	5.5,	0.0);	(651675.0,	4187810.0,	5.5,	5.5,	0.0);
(651700.0,	4187810.0,	5.4,	5.4,	0.0);	(651725.0,	4187810.0,	5.4,	5.4,	0.0);
(651750.0,	4187810.0,	5.6,	5.6,	0.0);	(651475.0,	4187835.0,	6.0,	6.0,	0.0);
(651500.0,	4187835.0,	6.0,	6.0,	0.0);	(651525.0,	4187835.0,	5.9,	5.9,	0.0);
(651550.0,	4187835.0,	5.8,	5.8,	0.0);	(651575.0,	4187835.0,	5.7,	5.7,	0.0);
(651625.0,	4187835.0,	5.6,	5.6,	0.0);	(651650.0,	4187835.0,	5.5,	5.5,	0.0);
(651675.0,	4187835.0,	5.5,	5.5,	0.0);	(651700.0,	4187835.0,	5.4,	5.4,	0.0);
(651725.0,	4187835.0,	5.5,	5.5,	0.0);	(651750.0,	4187835.0,	5.8,	5.8,	0.0);
(651475.0,	4187860.0,	5.8,	5.8,	0.0);	(651500.0,	4187860.0,	5.8,	5.8,	0.0);
(651525.0,	4187860.0,	5.7,	5.7,	0.0);	(651550.0,	4187860.0,	5.6,	5.6,	0.0);
(651575.0,	4187860.0,	5.5,	5.5,	0.0);	(651625.0,	4187860.0,	5.5,	5.5,	0.0);
(651650.0,	4187860.0,	5.5,	5.5,	0.0);	(651675.0,	4187860.0,	5.5,	5.5,	0.0);
(651700.0,	4187860.0,	5.6,	5.6,	0.0);	(651725.0,	4187860.0,	5.7,	5.7,	0.0);
(651750.0,	4187860.0,	6.1,	6.1,	0.0);	(651475.0,	4187885.0,	5.7,	5.7,	0.0);
(651500.0,	4187885.0,	5.6,	5.6,	0.0);	(651525.0,	4187885.0,	5.5,	5.5,	0.0);
(651550.0,	4187885.0,	5.4,	5.4,	0.0);	(651575.0,	4187885.0,	5.3,	5.3,	0.0);
(651625.0,	4187885.0,	5.4,	5.4,	0.0);	(651650.0,	4187885.0,	5.4,	5.4,	0.0);
(651675.0,	4187885.0,	5.5,	5.5,	0.0);	(651700.0,	4187885.0,	5.6,	5.6,	0.0);
(651725.0,	4187885.0,	5.9,	5.9,	0.0);	(651750.0,	4187885.0,	6.2,	6.2,	0.0);
(651475.0,	4187910.0,	5.5,	5.5,	0.0);	(651500.0,	4187910.0,	5.5,	5.5,	0.0);
(651525.0,	4187910.0,	5.4,	5.4,	0.0);	(651550.0,	4187910.0,	5.3,	5.3,	0.0);
(651575.0,	4187910.0,	5.3,	5.3,	0.0);	(651625.0,	4187910.0,	5.3,	5.3,	0.0);
(651650.0,	4187910.0,	5.3,	5.3,	0.0);	(651675.0,	4187910.0,	5.3,	5.3,	0.0);
(651700.0,	4187910.0,	5.4,	5.4,	0.0);	(651725.0,	4187910.0,	5.8,	5.8,	0.0);
(651750.0,	4187910.0,	6.3,	6.3,	0.0);	(651475.0,	4187935.0,	5.4,	5.4,	0.0);
(651500.0,	4187935.0,	5.4,	5.4,	0.0);	(651525.0,	4187935.0,	5.4,	5.4,	0.0);
(651550.0,	4187935.0,	5.3,	5.3,	0.0);	(651575.0,	4187935.0,	5.3,	5.3,	0.0);
(651625.0,	4187935.0,	5.3,	5.3,	0.0);	(651650.0,	4187935.0,	5.3,	5.3,	0.0);
(651675.0,	4187935.0,	5.3,	5.3,	0.0);	(651700.0,	4187935.0,	5.4,	5.4,	0.0);
(651725.0,	4187935.0,	5.8,	5.8,	0.0);	(651750.0,	4187935.0,	6.1,	6.1,	0.0);

```
                                           *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                              (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1

               NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.


                                 *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                                           (METERS/SEC)

                                                1.54,   3.09,   5.14,   8.23,  10.80,
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Modesto_23258\Modesto_12-16 Met Version: 16216
Profile file: ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Modesto_23258\Modesto_12-16
Surface format: FREE
Profile format: FREE
Surface station no.: 23258 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2012 Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
12	01	01	1	01	-11.0	0.189	-9.000	-9.000	-999.	197.	56.0	0.06	0.91	1.00	2.86	91.	10.0	276.4	2.0
12	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.08	0.91	1.00	0.00	0.	10.0	276.4	2.0
12	01	01	1	03	-0.9	0.036	-9.000	-9.000	-999.	16.	4.7	0.10	0.91	1.00	0.83	158.	10.0	276.4	2.0
12	01	01	1	04	-0.7	0.032	-9.000	-9.000	-999.	14.	4.2	0.10	0.91	1.00	0.74	164.	10.0	276.4	2.0
12	01	01	1	05	-0.7	0.031	-9.000	-9.000	-999.	13.	3.8	0.06	0.91	1.00	0.79	94.	10.0	275.9	2.0
12	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.08	0.91	1.00	0.00	0.	10.0	275.4	2.0
12	01	01	1	07	-0.8	0.032	-9.000	-9.000	-999.	14.	4.0	0.06	0.91	1.00	0.84	132.	10.0	274.9	2.0
12	01	01	1	08	-1.7	0.048	-9.000	-9.000	-999.	25.	5.9	0.06	0.91	0.71	1.23	101.	10.0	275.9	2.0
12	01	01	1	09	-2.3	0.098	-9.000	-9.000	-999.	73.	37.1	0.06	0.91	0.38	1.59	104.	10.0	276.4	2.0
12	01	01	1	10	7.1	0.164	0.163	0.012	22.	159.	-56.6	0.06	0.91	0.27	1.94	102.	10.0	277.0	2.0
12	01	01	1	11	15.6	0.130	0.257	0.012	39.	113.	-12.8	0.06	0.91	0.23	1.37	121.	10.0	278.1	2.0
12	01	01	1	12	20.6	0.140	0.356	0.012	79.	126.	-12.2	0.06	0.91	0.21	1.47	135.	10.0	280.4	2.0
12	01	01	1	13	21.3	0.142	0.397	0.012	106.	129.	-12.3	0.06	0.91	0.21	1.48	94.	10.0	281.4	2.0
12	01	01	1	14	85.2	0.209	0.863	0.010	273.	230.	-9.7	0.09	0.91	0.22	1.91	89.	10.0	284.9	2.0
12	01	01	1	15	55.7	0.161	0.821	0.015	361.	156.	-6.8	0.09	0.91	0.26	1.40	67.	10.0	286.4	2.0
12	01	01	1	16	13.1	0.094	0.516	0.016	379.	70.	-5.8	0.06	0.91	0.35	0.89	99.	10.0	287.0	2.0
12	01	01	1	17	-2.7	0.054	-9.000	-9.000	-999.	30.	5.3	0.10	0.91	0.60	1.25	161.	10.0	283.8	2.0
12	01	01	1	18	-4.6	0.068	-9.000	-9.000	-999.	43.	6.4	0.10	0.91	1.00	1.59	261.	10.0	282.0	2.0
12	01	01	1	19	-3.1	0.054	-9.000	-9.000	-999.	31.	4.8	0.06	0.91	1.00	1.42	291.	10.0	280.4	2.0
12	01	01	1	20	-0.9	0.030	-9.000	-9.000	-999.	12.	2.7	0.07	0.91	1.00	0.75	306.	10.0	278.8	2.0
12	01	01	1	21	-1.1	0.038	-9.000	-9.000	-999.	18.	4.7	0.06	0.91	1.00	0.99	94.	10.0	276.4	2.0
12	01	01	1	22	-2.2	0.054	-9.000	-9.000	-999.	30.	6.7	0.06	0.91	1.00	1.40	106.	10.0	275.4	2.0
12	01	01	1	23	-2.4	0.057	-9.000	-9.000	-999.	33.	7.0	0.06	0.91	1.00	1.48	124.	10.0	275.4	2.0
12	01	01	1	24	-6.5	0.080	-9.000	-9.000	-999.	54.	7.1	0.06	0.91	1.00	2.06	111.	10.0	275.9	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	10.0	1	91.	2.86	276.5	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): POINT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651550.00	4188000.00	0.00003	651575.00	4188000.00	0.00004
651600.00	4188000.00	0.00004	651625.00	4188000.00	0.00004
651650.00	4188000.00	0.00005	651675.00	4188000.00	0.00005
651700.00	4188000.00	0.00006	651725.00	4188000.00	0.00007
651550.00	4188025.00	0.00003	651575.00	4188025.00	0.00004
651600.00	4188025.00	0.00004	651625.00	4188025.00	0.00004
651650.00	4188025.00	0.00005	651675.00	4188025.00	0.00006
651700.00	4188025.00	0.00006	651725.00	4188025.00	0.00008
651550.00	4188050.00	0.00004	651575.00	4188050.00	0.00004
651600.00	4188050.00	0.00004	651625.00	4188050.00	0.00005
651650.00	4188050.00	0.00005	651675.00	4188050.00	0.00006
651700.00	4188050.00	0.00007	651725.00	4188050.00	0.00008
651425.00	4188075.00	0.00003	651450.00	4188075.00	0.00003
651475.00	4188075.00	0.00003	651500.00	4188075.00	0.00003
651525.00	4188075.00	0.00004	651550.00	4188075.00	0.00004
651575.00	4188075.00	0.00004	651600.00	4188075.00	0.00004
651625.00	4188075.00	0.00005	651650.00	4188075.00	0.00005
651675.00	4188075.00	0.00006	651700.00	4188075.00	0.00007
651725.00	4188075.00	0.00008	651425.00	4188100.00	0.00003
651450.00	4188100.00	0.00003	651475.00	4188100.00	0.00003
651500.00	4188100.00	0.00003	651525.00	4188100.00	0.00004
651550.00	4188100.00	0.00004	651575.00	4188100.00	0.00004
651600.00	4188100.00	0.00005	651625.00	4188100.00	0.00005
651650.00	4188100.00	0.00006	651675.00	4188100.00	0.00006
651700.00	4188100.00	0.00007	651725.00	4188100.00	0.00009
651425.00	4188125.00	0.00003	651450.00	4188125.00	0.00003
651475.00	4188125.00	0.00003	651500.00	4188125.00	0.00004
651525.00	4188125.00	0.00004	651550.00	4188125.00	0.00004
651575.00	4188125.00	0.00004	651600.00	4188125.00	0.00005
651625.00	4188125.00	0.00005	651650.00	4188125.00	0.00006
651675.00	4188125.00	0.00007	651700.00	4188125.00	0.00007
651725.00	4188125.00	0.00009	651425.00	4188150.00	0.00003
651450.00	4188150.00	0.00003	651475.00	4188150.00	0.00004
651500.00	4188150.00	0.00004	651525.00	4188150.00	0.00004
651550.00	4188150.00	0.00004	651575.00	4188150.00	0.00005
651600.00	4188150.00	0.00005	651625.00	4188150.00	0.00006
651650.00	4188150.00	0.00006	651675.00	4188150.00	0.00007
651700.00	4188150.00	0.00008	651725.00	4188150.00	0.00009
651425.00	4188175.00	0.00003	651450.00	4188175.00	0.00004
651475.00	4188175.00	0.00004	651500.00	4188175.00	0.00004

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): POINT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651525.00	4188175.00	0.00004	651550.00	4188175.00	0.00005
651575.00	4188175.00	0.00005	651600.00	4188175.00	0.00005
651625.00	4188175.00	0.00006	651650.00	4188175.00	0.00007
651675.00	4188175.00	0.00007	651700.00	4188175.00	0.00008
651725.00	4188175.00	0.00010	651425.00	4188200.00	0.00004
651450.00	4188200.00	0.00004	651475.00	4188200.00	0.00004
651500.00	4188200.00	0.00004	651525.00	4188200.00	0.00005
651550.00	4188200.00	0.00005	651575.00	4188200.00	0.00005
651600.00	4188200.00	0.00006	651625.00	4188200.00	0.00006
651650.00	4188200.00	0.00007	651675.00	4188200.00	0.00008
651700.00	4188200.00	0.00009	651725.00	4188200.00	0.00011
651425.00	4188225.00	0.00004	651450.00	4188225.00	0.00004
651475.00	4188225.00	0.00004	651500.00	4188225.00	0.00005
651525.00	4188225.00	0.00005	651550.00	4188225.00	0.00005
651575.00	4188225.00	0.00006	651600.00	4188225.00	0.00006
651625.00	4188225.00	0.00007	651650.00	4188225.00	0.00008
651675.00	4188225.00	0.00009	651700.00	4188225.00	0.00010
651725.00	4188225.00	0.00013	651425.00	4188250.00	0.00004
651450.00	4188250.00	0.00004	651475.00	4188250.00	0.00005
651500.00	4188250.00	0.00005	651525.00	4188250.00	0.00005
651550.00	4188250.00	0.00006	651575.00	4188250.00	0.00006
651600.00	4188250.00	0.00007	651625.00	4188250.00	0.00008
651650.00	4188250.00	0.00009	651675.00	4188250.00	0.00010
651700.00	4188250.00	0.00012	651725.00	4188250.00	0.00015
651425.00	4188275.00	0.00004	651450.00	4188275.00	0.00005
651475.00	4188275.00	0.00005	651500.00	4188275.00	0.00005
651525.00	4188275.00	0.00006	651550.00	4188275.00	0.00006
651575.00	4188275.00	0.00007	651600.00	4188275.00	0.00007
651625.00	4188275.00	0.00008	651650.00	4188275.00	0.00010
651675.00	4188275.00	0.00011	651700.00	4188275.00	0.00014
651725.00	4188275.00	0.00018	651425.00	4188300.00	0.00005
651450.00	4188300.00	0.00005	651475.00	4188300.00	0.00006
651500.00	4188300.00	0.00006	651525.00	4188300.00	0.00006
651550.00	4188300.00	0.00007	651575.00	4188300.00	0.00007
651600.00	4188300.00	0.00008	651625.00	4188300.00	0.00009
651650.00	4188300.00	0.00011	651675.00	4188300.00	0.00013
651700.00	4188300.00	0.00016	651725.00	4188300.00	0.00022
651425.00	4188325.00	0.00005	651450.00	4188325.00	0.00006
651475.00	4188325.00	0.00006	651500.00	4188325.00	0.00007
651525.00	4188325.00	0.00007	651550.00	4188325.00	0.00008

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): POINT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651575.00	4188325.00	0.00008	651600.00	4188325.00	0.00009
651625.00	4188325.00	0.00011	651650.00	4188325.00	0.00012
651675.00	4188325.00	0.00015	651700.00	4188325.00	0.00020
651725.00	4188325.00	0.00026	651425.00	4188350.00	0.00006
651450.00	4188350.00	0.00007	651475.00	4188350.00	0.00007
651500.00	4188350.00	0.00008	651525.00	4188350.00	0.00008
651550.00	4188350.00	0.00009	651575.00	4188350.00	0.00010
651600.00	4188350.00	0.00011	651625.00	4188350.00	0.00013
651650.00	4188350.00	0.00015	651675.00	4188350.00	0.00019
651700.00	4188350.00	0.00024	651725.00	4188350.00	0.00034
651425.00	4188375.00	0.00007	651450.00	4188375.00	0.00008
651475.00	4188375.00	0.00009	651500.00	4188375.00	0.00010
651525.00	4188375.00	0.00010	651550.00	4188375.00	0.00011
651575.00	4188375.00	0.00012	651600.00	4188375.00	0.00014
651625.00	4188375.00	0.00016	651650.00	4188375.00	0.00019
651675.00	4188375.00	0.00023	651700.00	4188375.00	0.00030
651725.00	4188375.00	0.00041	651425.00	4188400.00	0.00009
651450.00	4188400.00	0.00010	651475.00	4188400.00	0.00011
651500.00	4188400.00	0.00012	651525.00	4188400.00	0.00013
651550.00	4188400.00	0.00014	651575.00	4188400.00	0.00016
651600.00	4188400.00	0.00017	651625.00	4188400.00	0.00020
651650.00	4188400.00	0.00022	651675.00	4188400.00	0.00026
651700.00	4188400.00	0.00033	651725.00	4188400.00	0.00043
651425.00	4188425.00	0.00011	651450.00	4188425.00	0.00012
651475.00	4188425.00	0.00013	651500.00	4188425.00	0.00014
651525.00	4188425.00	0.00016	651550.00	4188425.00	0.00017
651575.00	4188425.00	0.00019	651600.00	4188425.00	0.00020
651625.00	4188425.00	0.00022	651650.00	4188425.00	0.00024
651675.00	4188425.00	0.00028	651700.00	4188425.00	0.00032
651725.00	4188425.00	0.00038	651425.00	4188450.00	0.00012
651450.00	4188450.00	0.00014	651475.00	4188450.00	0.00015
651500.00	4188450.00	0.00017	651525.00	4188450.00	0.00018
651550.00	4188450.00	0.00020	651575.00	4188450.00	0.00021
651600.00	4188450.00	0.00022	651625.00	4188450.00	0.00023
651650.00	4188450.00	0.00024	651675.00	4188450.00	0.00026
651700.00	4188450.00	0.00029	651725.00	4188450.00	0.00031
651425.00	4188475.00	0.00014	651450.00	4188475.00	0.00016
651475.00	4188475.00	0.00017	651500.00	4188475.00	0.00018
651525.00	4188475.00	0.00020	651550.00	4188475.00	0.00021
651575.00	4188475.00	0.00021	651600.00	4188475.00	0.00022

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): POINT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651625.00	4188475.00	0.00022	651650.00	4188475.00	0.00023
651675.00	4188475.00	0.00024	651700.00	4188475.00	0.00025
651725.00	4188475.00	0.00024	651425.00	4188500.00	0.00015
651450.00	4188500.00	0.00017	651475.00	4188500.00	0.00018
651500.00	4188500.00	0.00019	651525.00	4188500.00	0.00020
651550.00	4188500.00	0.00020	651575.00	4188500.00	0.00021
651600.00	4188500.00	0.00021	651625.00	4188500.00	0.00021
651650.00	4188500.00	0.00021	651675.00	4188500.00	0.00021
651700.00	4188500.00	0.00021	651725.00	4188500.00	0.00020
651425.00	4188525.00	0.00016	651450.00	4188525.00	0.00017
651475.00	4188525.00	0.00018	651500.00	4188525.00	0.00018
651525.00	4188525.00	0.00019	651550.00	4188525.00	0.00019
651575.00	4188525.00	0.00019	651600.00	4188525.00	0.00019
651625.00	4188525.00	0.00019	651650.00	4188525.00	0.00019
651675.00	4188525.00	0.00019	651700.00	4188525.00	0.00018
651725.00	4188525.00	0.00017	651425.00	4188550.00	0.00016
651450.00	4188550.00	0.00016	651475.00	4188550.00	0.00017
651500.00	4188550.00	0.00017	651525.00	4188550.00	0.00017
651550.00	4188550.00	0.00017	651575.00	4188550.00	0.00017
651600.00	4188550.00	0.00017	651625.00	4188550.00	0.00017
651650.00	4188550.00	0.00017	651675.00	4188550.00	0.00016
651700.00	4188550.00	0.00015	651725.00	4188550.00	0.00014
651425.00	4188575.00	0.00015	651450.00	4188575.00	0.00015
651475.00	4188575.00	0.00016	651500.00	4188575.00	0.00016
651525.00	4188575.00	0.00016	651550.00	4188575.00	0.00016
651575.00	4188575.00	0.00016	651600.00	4188575.00	0.00016
651625.00	4188575.00	0.00015	651650.00	4188575.00	0.00015
651675.00	4188575.00	0.00014	651700.00	4188575.00	0.00013
651725.00	4188575.00	0.00012	651425.00	4188600.00	0.00014
651450.00	4188600.00	0.00014	651475.00	4188600.00	0.00014
651500.00	4188600.00	0.00014	651525.00	4188600.00	0.00014
651550.00	4188600.00	0.00014	651575.00	4188600.00	0.00014
651600.00	4188600.00	0.00014	651625.00	4188600.00	0.00014
651650.00	4188600.00	0.00013	651675.00	4188600.00	0.00013
651700.00	4188600.00	0.00012	651725.00	4188600.00	0.00011
651425.00	4188625.00	0.00013	651450.00	4188625.00	0.00013
651475.00	4188625.00	0.00013	651500.00	4188625.00	0.00013
651525.00	4188625.00	0.00013	651550.00	4188625.00	0.00013
651575.00	4188625.00	0.00013	651600.00	4188625.00	0.00013
651625.00	4188625.00	0.00012	651650.00	4188625.00	0.00012

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): POINT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651675.00	4188625.00	0.00011	651700.00	4188625.00	0.00011
651725.00	4188625.00	0.00010	651425.00	4188650.00	0.00012
651450.00	4188650.00	0.00012	651475.00	4188650.00	0.00012
651500.00	4188650.00	0.00012	651525.00	4188650.00	0.00012
651550.00	4188650.00	0.00012	651575.00	4188650.00	0.00012
651600.00	4188650.00	0.00011	651625.00	4188650.00	0.00011
651650.00	4188650.00	0.00011	651675.00	4188650.00	0.00010
651700.00	4188650.00	0.00009	651725.00	4188650.00	0.00009
651425.00	4188675.00	0.00011	651450.00	4188675.00	0.00011
651475.00	4188675.00	0.00011	651500.00	4188675.00	0.00011
651525.00	4188675.00	0.00011	651550.00	4188675.00	0.00011
651575.00	4188675.00	0.00011	651600.00	4188675.00	0.00010
651625.00	4188675.00	0.00010	651650.00	4188675.00	0.00009
651675.00	4188675.00	0.00009	651700.00	4188675.00	0.00009
651725.00	4188675.00	0.00008	651425.00	4188700.00	0.00010
651450.00	4188700.00	0.00010	651475.00	4188700.00	0.00010
651500.00	4188700.00	0.00010	651525.00	4188700.00	0.00010
651550.00	4188700.00	0.00010	651575.00	4188700.00	0.00010
651600.00	4188700.00	0.00009	651625.00	4188700.00	0.00009
651650.00	4188700.00	0.00009	651675.00	4188700.00	0.00008
651700.00	4188700.00	0.00008	651725.00	4188700.00	0.00007
651475.00	4187560.00	0.00002	651500.00	4187560.00	0.00002
651525.00	4187560.00	0.00002	651550.00	4187560.00	0.00002
651575.00	4187560.00	0.00002	651625.00	4187560.00	0.00003
651650.00	4187560.00	0.00003	651675.00	4187560.00	0.00003
651700.00	4187560.00	0.00003	651725.00	4187560.00	0.00004
651750.00	4187560.00	0.00004	651475.00	4187585.00	0.00002
651500.00	4187585.00	0.00002	651525.00	4187585.00	0.00002
651550.00	4187585.00	0.00002	651575.00	4187585.00	0.00002
651625.00	4187585.00	0.00003	651650.00	4187585.00	0.00003
651675.00	4187585.00	0.00003	651700.00	4187585.00	0.00003
651725.00	4187585.00	0.00004	651750.00	4187585.00	0.00004
651475.00	4187610.00	0.00002	651500.00	4187610.00	0.00002
651525.00	4187610.00	0.00002	651550.00	4187610.00	0.00002
651575.00	4187610.00	0.00002	651625.00	4187610.00	0.00003
651650.00	4187610.00	0.00003	651675.00	4187610.00	0.00003
651700.00	4187610.00	0.00004	651725.00	4187610.00	0.00004
651750.00	4187610.00	0.00004	651475.00	4187635.00	0.00002
651500.00	4187635.00	0.00002	651525.00	4187635.00	0.00002
651550.00	4187635.00	0.00002	651575.00	4187635.00	0.00002

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): POINT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651625.00	4187635.00	0.00003	651650.00	4187635.00	0.00003
651675.00	4187635.00	0.00003	651700.00	4187635.00	0.00004
651725.00	4187635.00	0.00004	651750.00	4187635.00	0.00004
651475.00	4187660.00	0.00002	651500.00	4187660.00	0.00002
651525.00	4187660.00	0.00002	651550.00	4187660.00	0.00002
651575.00	4187660.00	0.00002	651625.00	4187660.00	0.00003
651650.00	4187660.00	0.00003	651675.00	4187660.00	0.00003
651700.00	4187660.00	0.00004	651725.00	4187660.00	0.00004
651750.00	4187660.00	0.00005	651475.00	4187685.00	0.00002
651500.00	4187685.00	0.00002	651525.00	4187685.00	0.00002
651550.00	4187685.00	0.00002	651575.00	4187685.00	0.00003
651625.00	4187685.00	0.00003	651650.00	4187685.00	0.00003
651675.00	4187685.00	0.00004	651700.00	4187685.00	0.00004
651725.00	4187685.00	0.00004	651750.00	4187685.00	0.00005
651475.00	4187710.00	0.00002	651500.00	4187710.00	0.00002
651525.00	4187710.00	0.00002	651550.00	4187710.00	0.00002
651575.00	4187710.00	0.00003	651625.00	4187710.00	0.00003
651650.00	4187710.00	0.00003	651675.00	4187710.00	0.00004
651700.00	4187710.00	0.00004	651725.00	4187710.00	0.00004
651750.00	4187710.00	0.00005	651475.00	4187735.00	0.00002
651500.00	4187735.00	0.00002	651525.00	4187735.00	0.00002
651550.00	4187735.00	0.00003	651575.00	4187735.00	0.00003
651625.00	4187735.00	0.00003	651650.00	4187735.00	0.00003
651675.00	4187735.00	0.00004	651700.00	4187735.00	0.00004
651725.00	4187735.00	0.00005	651750.00	4187735.00	0.00005
651475.00	4187760.00	0.00002	651500.00	4187760.00	0.00002
651525.00	4187760.00	0.00002	651550.00	4187760.00	0.00003
651575.00	4187760.00	0.00003	651625.00	4187760.00	0.00003
651650.00	4187760.00	0.00004	651675.00	4187760.00	0.00004
651700.00	4187760.00	0.00004	651725.00	4187760.00	0.00005
651750.00	4187760.00	0.00005	651475.00	4187785.00	0.00002
651500.00	4187785.00	0.00002	651525.00	4187785.00	0.00002
651550.00	4187785.00	0.00003	651575.00	4187785.00	0.00003
651625.00	4187785.00	0.00003	651650.00	4187785.00	0.00004
651675.00	4187785.00	0.00004	651700.00	4187785.00	0.00004
651725.00	4187785.00	0.00005	651750.00	4187785.00	0.00006
651475.00	4187810.00	0.00002	651500.00	4187810.00	0.00002
651525.00	4187810.00	0.00003	651550.00	4187810.00	0.00003
651575.00	4187810.00	0.00003	651625.00	4187810.00	0.00003
651650.00	4187810.00	0.00004	651675.00	4187810.00	0.00004

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): POINT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651700.00	4187810.00	0.00005	651725.00	4187810.00	0.00005
651750.00	4187810.00	0.00006	651475.00	4187835.00	0.00002
651500.00	4187835.00	0.00002	651525.00	4187835.00	0.00003
651550.00	4187835.00	0.00003	651575.00	4187835.00	0.00003
651625.00	4187835.00	0.00004	651650.00	4187835.00	0.00004
651675.00	4187835.00	0.00004	651700.00	4187835.00	0.00005
651725.00	4187835.00	0.00005	651750.00	4187835.00	0.00006
651475.00	4187860.00	0.00002	651500.00	4187860.00	0.00003
651525.00	4187860.00	0.00003	651550.00	4187860.00	0.00003
651575.00	4187860.00	0.00003	651625.00	4187860.00	0.00004
651650.00	4187860.00	0.00004	651675.00	4187860.00	0.00004
651700.00	4187860.00	0.00005	651725.00	4187860.00	0.00006
651750.00	4187860.00	0.00007	651475.00	4187885.00	0.00002
651500.00	4187885.00	0.00003	651525.00	4187885.00	0.00003
651550.00	4187885.00	0.00003	651575.00	4187885.00	0.00003
651625.00	4187885.00	0.00004	651650.00	4187885.00	0.00004
651675.00	4187885.00	0.00005	651700.00	4187885.00	0.00005
651725.00	4187885.00	0.00006	651750.00	4187885.00	0.00007
651475.00	4187910.00	0.00002	651500.00	4187910.00	0.00003
651525.00	4187910.00	0.00003	651550.00	4187910.00	0.00003
651575.00	4187910.00	0.00003	651625.00	4187910.00	0.00004
651650.00	4187910.00	0.00004	651675.00	4187910.00	0.00005
651700.00	4187910.00	0.00005	651725.00	4187910.00	0.00006
651750.00	4187910.00	0.00007	651475.00	4187935.00	0.00003
651500.00	4187935.00	0.00003	651525.00	4187935.00	0.00003
651550.00	4187935.00	0.00003	651575.00	4187935.00	0.00003
651625.00	4187935.00	0.00004	651650.00	4187935.00	0.00004
651675.00	4187935.00	0.00005	651700.00	4187935.00	0.00006
651725.00	4187935.00	0.00007	651750.00	4187935.00	0.00008

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00043 AT	(651725.00, 4188400.00, 6.15, 6.15, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00041 AT	(651725.00, 4188375.00, 6.34, 6.34, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00038 AT	(651725.00, 4188425.00, 5.78, 5.78, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00034 AT	(651725.00, 4188350.00, 6.41, 6.41, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00033 AT	(651700.00, 4188400.00, 5.92, 5.92, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00032 AT	(651700.00, 4188425.00, 5.62, 5.62, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00031 AT	(651725.00, 4188450.00, 5.38, 5.38, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00030 AT	(651700.00, 4188375.00, 6.17, 6.17, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00029 AT	(651700.00, 4188450.00, 5.34, 5.34, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00028 AT	(651675.00, 4188425.00, 5.54, 5.54, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   1 Warning Message(s)
A Total of   1738 Informational Message(s)

A Total of   43848 Hours Were Processed

A Total of   1156 Calm Hours Identified

A Total of   582 Missing Hours Identified (1.33 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
ME W186   71   MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used   0.50

   ****
   *** AERMOD Finishes Successfully ***
   ****

```
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE Valley Link: North Lathrop Station, 2040 Annual Idling DPM
   TITLETWO Traditional Diesel
   MODELOPT CONC FASTAREA
   AVERTIME ANNUAL
   URBANOPT 538000 Modesto
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL North_Lathrop_Station_2040_Idling.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION POINT        POINT      651803.600  4188339.800        6.820
** Source Parameters **
   SRCPARAM POINT        0.0000753     4.520   389.100   5.10000     0.550
   URBANSRC ALL

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Scenario 1"
   EMISFACT POINT        HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT POINT        HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT POINT        HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT POINT        HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED North_Lathrop_Station_2040_Idling.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Modesto_23258\Modesto_12-16.SFC
   PROFFILE ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Modesto_23258\Modesto_12-16.PFL
   SURFDATA 23258 2012
   UAIRDATA 23230 2012 OAKLAND/WSO_AP
   PROFBASE 30.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   PLOTFILE ANNUAL ALL NORTH_LATHROP_STATION_2040_IDLING.AD\North_Lathrop_Station_idling_2040_annual_DPM.PLT 31
   SUMMFILE North_Lathrop_Station_2040_Idling.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186      71       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50

 ***********************************
 *** SETUP Finishes Successfully ***
 ***********************************
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

**Model Is Setup For Calculation of Average CONCentration Values.

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for   1 Source(s),
  for Total of   1 Urban Area(s):
  Urban Population =   538000.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Full Conversion Assumed for NO2.
        6. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:
        FASTAREA - Use hybrid approach to optimize AREA sources;
                   also applies to LINE sources (formerly TOXICS option)
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 1 Source(s);   1 Source Group(s); and   538 Receptor(s)

               with: 1 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                 and: 0 VOLUME source(s)
                 and: 0 AREA type source(s)
                 and: 0 LINE source(s)
                 and: 0 OPENPIT source(s)
                 and: 0 BUOYANT LINE source(s) with   0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   30.00 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   3.6 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: North_Lathrop_Station_2040_Idling.err
**File for Summary of Results: North_Lathrop_Station_2040_Idling.sum

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
POINT	0	0.75300E-04	651803.6	4188339.8	6.8	4.52	389.10	5.10	0.55	NO	YES	NO	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	POINT ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	538000.	POINT ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = POINT ; SOURCE TYPE = POINT :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(651550.0,	4188000.0,	5.3,	5.3,	0.0);	(651575.0,	4188000.0,	5.3,	5.3,	0.0);
(651600.0,	4188000.0,	5.3,	5.3,	0.0);	(651625.0,	4188000.0,	5.3,	5.3,	0.0);
(651650.0,	4188000.0,	5.3,	5.3,	0.0);	(651675.0,	4188000.0,	5.3,	5.3,	0.0);
(651700.0,	4188000.0,	5.3,	5.3,	0.0);	(651725.0,	4188000.0,	5.3,	5.3,	0.0);
(651550.0,	4188025.0,	5.3,	5.3,	0.0);	(651575.0,	4188025.0,	5.3,	5.3,	0.0);
(651600.0,	4188025.0,	5.3,	5.3,	0.0);	(651625.0,	4188025.0,	5.3,	5.3,	0.0);
(651650.0,	4188025.0,	5.3,	5.3,	0.0);	(651675.0,	4188025.0,	5.3,	5.3,	0.0);
(651700.0,	4188025.0,	5.3,	5.3,	0.0);	(651725.0,	4188025.0,	5.3,	5.3,	0.0);
(651550.0,	4188050.0,	5.3,	5.3,	0.0);	(651575.0,	4188050.0,	5.3,	5.3,	0.0);
(651600.0,	4188050.0,	5.3,	5.3,	0.0);	(651625.0,	4188050.0,	5.3,	5.3,	0.0);
(651650.0,	4188050.0,	5.3,	5.3,	0.0);	(651675.0,	4188050.0,	5.3,	5.3,	0.0);
(651700.0,	4188050.0,	5.3,	5.3,	0.0);	(651725.0,	4188050.0,	5.3,	5.3,	0.0);
(651425.0,	4188075.0,	5.3,	5.3,	0.0);	(651450.0,	4188075.0,	5.3,	5.3,	0.0);
(651475.0,	4188075.0,	5.3,	5.3,	0.0);	(651500.0,	4188075.0,	5.3,	5.3,	0.0);
(651525.0,	4188075.0,	5.3,	5.3,	0.0);	(651550.0,	4188075.0,	5.3,	5.3,	0.0);
(651575.0,	4188075.0,	5.3,	5.3,	0.0);	(651600.0,	4188075.0,	5.3,	5.3,	0.0);
(651625.0,	4188075.0,	5.3,	5.3,	0.0);	(651650.0,	4188075.0,	5.3,	5.3,	0.0);
(651675.0,	4188075.0,	5.3,	5.3,	0.0);	(651700.0,	4188075.0,	5.3,	5.3,	0.0);
(651725.0,	4188075.0,	5.3,	5.3,	0.0);	(651425.0,	4188100.0,	5.3,	5.3,	0.0);
(651450.0,	4188100.0,	5.3,	5.3,	0.0);	(651475.0,	4188100.0,	5.3,	5.3,	0.0);
(651500.0,	4188100.0,	5.3,	5.3,	0.0);	(651525.0,	4188100.0,	5.3,	5.3,	0.0);
(651550.0,	4188100.0,	5.3,	5.3,	0.0);	(651575.0,	4188100.0,	5.3,	5.3,	0.0);
(651600.0,	4188100.0,	5.3,	5.3,	0.0);	(651625.0,	4188100.0,	5.3,	5.3,	0.0);
(651650.0,	4188100.0,	5.3,	5.3,	0.0);	(651675.0,	4188100.0,	5.3,	5.3,	0.0);
(651700.0,	4188100.0,	5.3,	5.3,	0.0);	(651725.0,	4188100.0,	5.3,	5.3,	0.0);
(651425.0,	4188125.0,	5.3,	5.3,	0.0);	(651450.0,	4188125.0,	5.3,	5.3,	0.0);
(651475.0,	4188125.0,	5.3,	5.3,	0.0);	(651500.0,	4188125.0,	5.3,	5.3,	0.0);
(651525.0,	4188125.0,	5.3,	5.3,	0.0);	(651550.0,	4188125.0,	5.3,	5.3,	0.0);
(651575.0,	4188125.0,	5.3,	5.3,	0.0);	(651600.0,	4188125.0,	5.3,	5.3,	0.0);
(651625.0,	4188125.0,	5.3,	5.3,	0.0);	(651650.0,	4188125.0,	5.3,	5.3,	0.0);
(651675.0,	4188125.0,	5.3,	5.3,	0.0);	(651700.0,	4188125.0,	5.3,	5.3,	0.0);
(651725.0,	4188125.0,	5.3,	5.3,	0.0);	(651425.0,	4188150.0,	5.3,	5.3,	0.0);
(651450.0,	4188150.0,	5.3,	5.3,	0.0);	(651475.0,	4188150.0,	5.3,	5.3,	0.0);
(651500.0,	4188150.0,	5.3,	5.3,	0.0);	(651525.0,	4188150.0,	5.3,	5.3,	0.0);
(651550.0,	4188150.0,	5.3,	5.3,	0.0);	(651575.0,	4188150.0,	5.3,	5.3,	0.0);
(651600.0,	4188150.0,	5.3,	5.3,	0.0);	(651625.0,	4188150.0,	5.3,	5.3,	0.0);
(651650.0,	4188150.0,	5.3,	5.3,	0.0);	(651675.0,	4188150.0,	5.3,	5.3,	0.0);
(651700.0,	4188150.0,	5.3,	5.3,	0.0);	(651725.0,	4188150.0,	5.3,	5.3,	0.0);
(651425.0,	4188175.0,	5.3,	5.3,	0.0);	(651450.0,	4188175.0,	5.3,	5.3,	0.0);
(651475.0,	4188175.0,	5.3,	5.3,	0.0);	(651500.0,	4188175.0,	5.3,	5.3,	0.0);
(651525.0,	4188175.0,	5.3,	5.3,	0.0);	(651550.0,	4188175.0,	5.3,	5.3,	0.0);
(651575.0,	4188175.0,	5.3,	5.3,	0.0);	(651600.0,	4188175.0,	5.3,	5.3,	0.0);
(651625.0,	4188175.0,	5.3,	5.3,	0.0);	(651650.0,	4188175.0,	5.3,	5.3,	0.0);
(651675.0,	4188175.0,	5.3,	5.3,	0.0);	(651700.0,	4188175.0,	5.3,	5.3,	0.0);
(651725.0,	4188175.0,	5.3,	5.3,	0.0);	(651425.0,	4188200.0,	5.3,	5.3,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(651450.0,	4188200.0,	5.3,	5.3,	0.0);	(651475.0,	4188200.0,	5.3,	5.3,	0.0);
(651500.0,	4188200.0,	5.3,	5.3,	0.0);	(651525.0,	4188200.0,	5.4,	5.4,	0.0);
(651550.0,	4188200.0,	5.4,	5.4,	0.0);	(651575.0,	4188200.0,	5.4,	5.4,	0.0);
(651600.0,	4188200.0,	5.4,	5.4,	0.0);	(651625.0,	4188200.0,	5.4,	5.4,	0.0);
(651650.0,	4188200.0,	5.4,	5.4,	0.0);	(651675.0,	4188200.0,	5.5,	5.5,	0.0);
(651700.0,	4188200.0,	5.5,	5.5,	0.0);	(651725.0,	4188200.0,	5.6,	5.6,	0.0);
(651425.0,	4188225.0,	5.5,	5.5,	0.0);	(651450.0,	4188225.0,	5.5,	5.5,	0.0);
(651475.0,	4188225.0,	5.5,	5.5,	0.0);	(651500.0,	4188225.0,	5.5,	5.5,	0.0);
(651525.0,	4188225.0,	5.6,	5.6,	0.0);	(651550.0,	4188225.0,	5.6,	5.6,	0.0);
(651575.0,	4188225.0,	5.6,	5.6,	0.0);	(651600.0,	4188225.0,	5.6,	5.6,	0.0);
(651625.0,	4188225.0,	5.7,	5.7,	0.0);	(651650.0,	4188225.0,	5.7,	5.7,	0.0);
(651675.0,	4188225.0,	5.7,	5.7,	0.0);	(651700.0,	4188225.0,	5.8,	5.8,	0.0);
(651725.0,	4188225.0,	6.1,	6.1,	0.0);	(651425.0,	4188250.0,	5.6,	5.6,	0.0);
(651450.0,	4188250.0,	5.6,	5.6,	0.0);	(651475.0,	4188250.0,	5.6,	5.6,	0.0);
(651500.0,	4188250.0,	5.7,	5.7,	0.0);	(651525.0,	4188250.0,	5.7,	5.7,	0.0);
(651550.0,	4188250.0,	5.7,	5.7,	0.0);	(651575.0,	4188250.0,	5.8,	5.8,	0.0);
(651600.0,	4188250.0,	5.8,	5.8,	0.0);	(651625.0,	4188250.0,	5.9,	5.9,	0.0);
(651650.0,	4188250.0,	5.9,	5.9,	0.0);	(651675.0,	4188250.0,	6.0,	6.0,	0.0);
(651700.0,	4188250.0,	6.1,	6.1,	0.0);	(651725.0,	4188250.0,	6.3,	6.3,	0.0);
(651425.0,	4188275.0,	5.6,	5.6,	0.0);	(651450.0,	4188275.0,	5.7,	5.7,	0.0);
(651475.0,	4188275.0,	5.7,	5.7,	0.0);	(651500.0,	4188275.0,	5.7,	5.7,	0.0);
(651525.0,	4188275.0,	5.8,	5.8,	0.0);	(651550.0,	4188275.0,	5.8,	5.8,	0.0);
(651575.0,	4188275.0,	5.9,	5.9,	0.0);	(651600.0,	4188275.0,	6.0,	6.0,	0.0);
(651625.0,	4188275.0,	6.0,	6.0,	0.0);	(651650.0,	4188275.0,	6.1,	6.1,	0.0);
(651675.0,	4188275.0,	6.2,	6.2,	0.0);	(651700.0,	4188275.0,	6.3,	6.3,	0.0);
(651725.0,	4188275.0,	6.4,	6.4,	0.0);	(651425.0,	4188300.0,	5.7,	5.7,	0.0);
(651450.0,	4188300.0,	5.7,	5.7,	0.0);	(651475.0,	4188300.0,	5.7,	5.7,	0.0);
(651500.0,	4188300.0,	5.8,	5.8,	0.0);	(651525.0,	4188300.0,	5.8,	5.8,	0.0);
(651550.0,	4188300.0,	5.9,	5.9,	0.0);	(651575.0,	4188300.0,	6.0,	6.0,	0.0);
(651600.0,	4188300.0,	6.0,	6.0,	0.0);	(651625.0,	4188300.0,	6.1,	6.1,	0.0);
(651650.0,	4188300.0,	6.2,	6.2,	0.0);	(651675.0,	4188300.0,	6.3,	6.3,	0.0);
(651700.0,	4188300.0,	6.3,	6.3,	0.0);	(651725.0,	4188300.0,	6.4,	6.4,	0.0);
(651425.0,	4188325.0,	5.7,	5.7,	0.0);	(651450.0,	4188325.0,	5.7,	5.7,	0.0);
(651475.0,	4188325.0,	5.7,	5.7,	0.0);	(651500.0,	4188325.0,	5.8,	5.8,	0.0);
(651525.0,	4188325.0,	5.8,	5.8,	0.0);	(651550.0,	4188325.0,	5.9,	5.9,	0.0);
(651575.0,	4188325.0,	6.0,	6.0,	0.0);	(651600.0,	4188325.0,	6.0,	6.0,	0.0);
(651625.0,	4188325.0,	6.1,	6.1,	0.0);	(651650.0,	4188325.0,	6.2,	6.2,	0.0);
(651675.0,	4188325.0,	6.3,	6.3,	0.0);	(651700.0,	4188325.0,	6.4,	6.4,	0.0);
(651725.0,	4188325.0,	6.4,	6.4,	0.0);	(651425.0,	4188350.0,	5.6,	5.6,	0.0);
(651450.0,	4188350.0,	5.7,	5.7,	0.0);	(651475.0,	4188350.0,	5.7,	5.7,	0.0);
(651500.0,	4188350.0,	5.8,	5.8,	0.0);	(651525.0,	4188350.0,	5.8,	5.8,	0.0);
(651550.0,	4188350.0,	5.8,	5.8,	0.0);	(651575.0,	4188350.0,	5.9,	5.9,	0.0);
(651600.0,	4188350.0,	6.0,	6.0,	0.0);	(651625.0,	4188350.0,	6.1,	6.1,	0.0);
(651650.0,	4188350.0,	6.1,	6.1,	0.0);	(651675.0,	4188350.0,	6.2,	6.2,	0.0);
(651700.0,	4188350.0,	6.3,	6.3,	0.0);	(651725.0,	4188350.0,	6.4,	6.4,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	651425.0,	4188375.0,	5.6,	5.6,	0.0);	(651450.0,	4188375.0,	5.6,	5.6,	0.0);
(	651475.0,	4188375.0,	5.7,	5.7,	0.0);	(651500.0,	4188375.0,	5.7,	5.7,	0.0);
(	651525.0,	4188375.0,	5.7,	5.7,	0.0);	(651550.0,	4188375.0,	5.8,	5.8,	0.0);
(	651575.0,	4188375.0,	5.8,	5.8,	0.0);	(651600.0,	4188375.0,	5.9,	5.9,	0.0);
(	651625.0,	4188375.0,	5.9,	5.9,	0.0);	(651650.0,	4188375.0,	6.0,	6.0,	0.0);
(	651675.0,	4188375.0,	6.1,	6.1,	0.0);	(651700.0,	4188375.0,	6.2,	6.2,	0.0);
(	651725.0,	4188375.0,	6.3,	6.3,	0.0);	(651425.0,	4188400.0,	5.5,	5.5,	0.0);
(	651450.0,	4188400.0,	5.5,	5.5,	0.0);	(651475.0,	4188400.0,	5.6,	5.6,	0.0);
(	651500.0,	4188400.0,	5.6,	5.6,	0.0);	(651525.0,	4188400.0,	5.6,	5.6,	0.0);
(	651550.0,	4188400.0,	5.6,	5.6,	0.0);	(651575.0,	4188400.0,	5.6,	5.6,	0.0);
(	651600.0,	4188400.0,	5.7,	5.7,	0.0);	(651625.0,	4188400.0,	5.7,	5.7,	0.0);
(	651650.0,	4188400.0,	5.8,	5.8,	0.0);	(651675.0,	4188400.0,	5.8,	5.8,	0.0);
(	651700.0,	4188400.0,	5.9,	5.9,	0.0);	(651725.0,	4188400.0,	6.1,	6.1,	0.0);
(	651425.0,	4188425.0,	5.4,	5.4,	0.0);	(651450.0,	4188425.0,	5.4,	5.4,	0.0);
(	651475.0,	4188425.0,	5.4,	5.4,	0.0);	(651500.0,	4188425.0,	5.4,	5.4,	0.0);
(	651525.0,	4188425.0,	5.4,	5.4,	0.0);	(651550.0,	4188425.0,	5.4,	5.4,	0.0);
(	651575.0,	4188425.0,	5.4,	5.4,	0.0);	(651600.0,	4188425.0,	5.5,	5.5,	0.0);
(	651625.0,	4188425.0,	5.5,	5.5,	0.0);	(651650.0,	4188425.0,	5.5,	5.5,	0.0);
(	651675.0,	4188425.0,	5.5,	5.5,	0.0);	(651700.0,	4188425.0,	5.6,	5.6,	0.0);
(	651725.0,	4188425.0,	5.8,	5.8,	0.0);	(651425.0,	4188450.0,	5.3,	5.3,	0.0);
(	651450.0,	4188450.0,	5.3,	5.3,	0.0);	(651475.0,	4188450.0,	5.3,	5.3,	0.0);
(	651500.0,	4188450.0,	5.3,	5.3,	0.0);	(651525.0,	4188450.0,	5.3,	5.3,	0.0);
(	651550.0,	4188450.0,	5.3,	5.3,	0.0);	(651575.0,	4188450.0,	5.3,	5.3,	0.0);
(	651600.0,	4188450.0,	5.3,	5.3,	0.0);	(651625.0,	4188450.0,	5.3,	5.3,	0.0);
(	651650.0,	4188450.0,	5.3,	5.3,	0.0);	(651675.0,	4188450.0,	5.3,	5.3,	0.0);
(	651700.0,	4188450.0,	5.3,	5.3,	0.0);	(651725.0,	4188450.0,	5.4,	5.4,	0.0);
(	651425.0,	4188475.0,	5.2,	5.2,	0.0);	(651450.0,	4188475.0,	5.2,	5.2,	0.0);
(	651475.0,	4188475.0,	5.2,	5.2,	0.0);	(651500.0,	4188475.0,	5.2,	5.2,	0.0);
(	651525.0,	4188475.0,	5.2,	5.2,	0.0);	(651550.0,	4188475.0,	5.2,	5.2,	0.0);
(	651575.0,	4188475.0,	5.3,	5.3,	0.0);	(651600.0,	4188475.0,	5.3,	5.3,	0.0);
(	651625.0,	4188475.0,	5.3,	5.3,	0.0);	(651650.0,	4188475.0,	5.3,	5.3,	0.0);
(	651675.0,	4188475.0,	5.3,	5.3,	0.0);	(651700.0,	4188475.0,	5.3,	5.3,	0.0);
(	651725.0,	4188475.0,	5.3,	5.3,	0.0);	(651425.0,	4188500.0,	5.2,	5.2,	0.0);
(	651450.0,	4188500.0,	5.2,	5.2,	0.0);	(651475.0,	4188500.0,	5.2,	5.2,	0.0);
(	651500.0,	4188500.0,	5.2,	5.2,	0.0);	(651525.0,	4188500.0,	5.2,	5.2,	0.0);
(	651550.0,	4188500.0,	5.2,	5.2,	0.0);	(651575.0,	4188500.0,	5.2,	5.2,	0.0);
(	651600.0,	4188500.0,	5.2,	5.2,	0.0);	(651625.0,	4188500.0,	5.2,	5.2,	0.0);
(	651650.0,	4188500.0,	5.2,	5.2,	0.0);	(651675.0,	4188500.0,	5.2,	5.2,	0.0);
(	651700.0,	4188500.0,	5.2,	5.2,	0.0);	(651725.0,	4188500.0,	5.2,	5.2,	0.0);
(	651425.0,	4188525.0,	5.1,	5.1,	0.0);	(651450.0,	4188525.0,	5.1,	5.1,	0.0);
(	651475.0,	4188525.0,	5.1,	5.1,	0.0);	(651500.0,	4188525.0,	5.1,	5.1,	0.0);
(	651525.0,	4188525.0,	5.2,	5.2,	0.0);	(651550.0,	4188525.0,	5.2,	5.2,	0.0);
(	651575.0,	4188525.0,	5.2,	5.2,	0.0);	(651600.0,	4188525.0,	5.2,	5.2,	0.0);
(	651625.0,	4188525.0,	5.2,	5.2,	0.0);	(651650.0,	4188525.0,	5.2,	5.2,	0.0);
(	651675.0,	4188525.0,	5.2,	5.2,	0.0);	(651700.0,	4188525.0,	5.2,	5.2,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(651725.0,	4188525.0,	5.2,	5.2,	0.0);	(651425.0,	4188550.0,	5.1,	5.1,	0.0);
(651450.0,	4188550.0,	5.1,	5.1,	0.0);	(651475.0,	4188550.0,	5.1,	5.1,	0.0);
(651500.0,	4188550.0,	5.1,	5.1,	0.0);	(651525.0,	4188550.0,	5.1,	5.1,	0.0);
(651550.0,	4188550.0,	5.1,	5.1,	0.0);	(651575.0,	4188550.0,	5.1,	5.1,	0.0);
(651600.0,	4188550.0,	5.1,	5.1,	0.0);	(651625.0,	4188550.0,	5.2,	5.2,	0.0);
(651650.0,	4188550.0,	5.2,	5.2,	0.0);	(651675.0,	4188550.0,	5.2,	5.2,	0.0);
(651700.0,	4188550.0,	5.2,	5.2,	0.0);	(651725.0,	4188550.0,	5.2,	5.2,	0.0);
(651425.0,	4188575.0,	5.1,	5.1,	0.0);	(651450.0,	4188575.0,	5.1,	5.1,	0.0);
(651475.0,	4188575.0,	5.1,	5.1,	0.0);	(651500.0,	4188575.0,	5.1,	5.1,	0.0);
(651525.0,	4188575.0,	5.1,	5.1,	0.0);	(651550.0,	4188575.0,	5.1,	5.1,	0.0);
(651575.0,	4188575.0,	5.1,	5.1,	0.0);	(651600.0,	4188575.0,	5.1,	5.1,	0.0);
(651625.0,	4188575.0,	5.1,	5.1,	0.0);	(651650.0,	4188575.0,	5.1,	5.1,	0.0);
(651675.0,	4188575.0,	5.2,	5.2,	0.0);	(651700.0,	4188575.0,	5.2,	5.2,	0.0);
(651725.0,	4188575.0,	5.2,	5.2,	0.0);	(651425.0,	4188600.0,	5.1,	5.1,	0.0);
(651450.0,	4188600.0,	5.1,	5.1,	0.0);	(651475.0,	4188600.0,	5.1,	5.1,	0.0);
(651500.0,	4188600.0,	5.1,	5.1,	0.0);	(651525.0,	4188600.0,	5.1,	5.1,	0.0);
(651550.0,	4188600.0,	5.1,	5.1,	0.0);	(651575.0,	4188600.0,	5.1,	5.1,	0.0);
(651600.0,	4188600.0,	5.1,	5.1,	0.0);	(651625.0,	4188600.0,	5.1,	5.1,	0.0);
(651650.0,	4188600.0,	5.1,	5.1,	0.0);	(651675.0,	4188600.0,	5.1,	5.1,	0.0);
(651700.0,	4188600.0,	5.2,	5.2,	0.0);	(651725.0,	4188600.0,	5.2,	5.2,	0.0);
(651425.0,	4188625.0,	5.1,	5.1,	0.0);	(651450.0,	4188625.0,	5.1,	5.1,	0.0);
(651475.0,	4188625.0,	5.1,	5.1,	0.0);	(651500.0,	4188625.0,	5.1,	5.1,	0.0);
(651525.0,	4188625.0,	5.1,	5.1,	0.0);	(651550.0,	4188625.0,	5.1,	5.1,	0.0);
(651575.0,	4188625.0,	5.1,	5.1,	0.0);	(651600.0,	4188625.0,	5.1,	5.1,	0.0);
(651625.0,	4188625.0,	5.1,	5.1,	0.0);	(651650.0,	4188625.0,	5.1,	5.1,	0.0);
(651675.0,	4188625.0,	5.1,	5.1,	0.0);	(651700.0,	4188625.0,	5.2,	5.2,	0.0);
(651725.0,	4188625.0,	5.2,	5.2,	0.0);	(651425.0,	4188650.0,	5.1,	5.1,	0.0);
(651450.0,	4188650.0,	5.1,	5.1,	0.0);	(651475.0,	4188650.0,	5.1,	5.1,	0.0);
(651500.0,	4188650.0,	5.1,	5.1,	0.0);	(651525.0,	4188650.0,	5.1,	5.1,	0.0);
(651550.0,	4188650.0,	5.1,	5.1,	0.0);	(651575.0,	4188650.0,	5.1,	5.1,	0.0);
(651600.0,	4188650.0,	5.1,	5.1,	0.0);	(651625.0,	4188650.0,	5.1,	5.1,	0.0);
(651650.0,	4188650.0,	5.1,	5.1,	0.0);	(651675.0,	4188650.0,	5.1,	5.1,	0.0);
(651700.0,	4188650.0,	5.1,	5.1,	0.0);	(651725.0,	4188650.0,	5.2,	5.2,	0.0);
(651425.0,	4188675.0,	5.1,	5.1,	0.0);	(651450.0,	4188675.0,	5.1,	5.1,	0.0);
(651475.0,	4188675.0,	5.1,	5.1,	0.0);	(651500.0,	4188675.0,	5.1,	5.1,	0.0);
(651525.0,	4188675.0,	5.1,	5.1,	0.0);	(651550.0,	4188675.0,	5.1,	5.1,	0.0);
(651575.0,	4188675.0,	5.1,	5.1,	0.0);	(651600.0,	4188675.0,	5.1,	5.1,	0.0);
(651625.0,	4188675.0,	5.1,	5.1,	0.0);	(651650.0,	4188675.0,	5.2,	5.2,	0.0);
(651675.0,	4188675.0,	5.2,	5.2,	0.0);	(651700.0,	4188675.0,	5.2,	5.2,	0.0);
(651725.0,	4188675.0,	5.2,	5.2,	0.0);	(651425.0,	4188700.0,	5.2,	5.2,	0.0);
(651450.0,	4188700.0,	5.2,	5.2,	0.0);	(651475.0,	4188700.0,	5.2,	5.2,	0.0);
(651500.0,	4188700.0,	5.2,	5.2,	0.0);	(651525.0,	4188700.0,	5.2,	5.2,	0.0);
(651550.0,	4188700.0,	5.2,	5.2,	0.0);	(651575.0,	4188700.0,	5.2,	5.2,	0.0);
(651600.0,	4188700.0,	5.2,	5.2,	0.0);	(651625.0,	4188700.0,	5.2,	5.2,	0.0);
(651650.0,	4188700.0,	5.2,	5.2,	0.0);	(651675.0,	4188700.0,	5.2,	5.2,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	651700.0,	4188700.0,	5.2,	5.2,	0.0);	(	651725.0,	4188700.0,	5.2,	5.2,	0.0);
(	651475.0,	4187560.0,	5.9,	5.9,	0.0);	(	651500.0,	4187560.0,	6.0,	6.0,	0.0);
(	651525.0,	4187560.0,	6.1,	6.1,	0.0);	(	651550.0,	4187560.0,	6.1,	6.1,	0.0);
(	651575.0,	4187560.0,	6.2,	6.2,	0.0);	(	651625.0,	4187560.0,	6.4,	6.4,	0.0);
(	651650.0,	4187560.0,	6.4,	6.4,	0.0);	(	651675.0,	4187560.0,	6.5,	6.5,	0.0);
(	651700.0,	4187560.0,	6.6,	6.6,	0.0);	(	651725.0,	4187560.0,	6.6,	6.6,	0.0);
(	651750.0,	4187560.0,	6.7,	6.7,	0.0);	(	651475.0,	4187585.0,	5.9,	5.9,	0.0);
(	651500.0,	4187585.0,	6.0,	6.0,	0.0);	(	651525.0,	4187585.0,	6.1,	6.1,	0.0);
(	651550.0,	4187585.0,	6.1,	6.1,	0.0);	(	651575.0,	4187585.0,	6.2,	6.2,	0.0);
(	651625.0,	4187585.0,	6.3,	6.3,	0.0);	(	651650.0,	4187585.0,	6.4,	6.4,	0.0);
(	651675.0,	4187585.0,	6.5,	6.5,	0.0);	(	651700.0,	4187585.0,	6.5,	6.5,	0.0);
(	651725.0,	4187585.0,	6.6,	6.6,	0.0);	(	651750.0,	4187585.0,	6.7,	6.7,	0.0);
(	651475.0,	4187610.0,	6.0,	6.0,	0.0);	(	651500.0,	4187610.0,	6.1,	6.1,	0.0);
(	651525.0,	4187610.0,	6.1,	6.1,	0.0);	(	651550.0,	4187610.0,	6.2,	6.2,	0.0);
(	651575.0,	4187610.0,	6.2,	6.2,	0.0);	(	651625.0,	4187610.0,	6.3,	6.3,	0.0);
(	651650.0,	4187610.0,	6.4,	6.4,	0.0);	(	651675.0,	4187610.0,	6.4,	6.4,	0.0);
(	651700.0,	4187610.0,	6.5,	6.5,	0.0);	(	651725.0,	4187610.0,	6.6,	6.6,	0.0);
(	651750.0,	4187610.0,	6.7,	6.7,	0.0);	(	651475.0,	4187635.0,	6.2,	6.2,	0.0);
(	651500.0,	4187635.0,	6.2,	6.2,	0.0);	(	651525.0,	4187635.0,	6.2,	6.2,	0.0);
(	651550.0,	4187635.0,	6.2,	6.2,	0.0);	(	651575.0,	4187635.0,	6.2,	6.2,	0.0);
(	651625.0,	4187635.0,	6.3,	6.3,	0.0);	(	651650.0,	4187635.0,	6.3,	6.3,	0.0);
(	651675.0,	4187635.0,	6.4,	6.4,	0.0);	(	651700.0,	4187635.0,	6.5,	6.5,	0.0);
(	651725.0,	4187635.0,	6.6,	6.6,	0.0);	(	651750.0,	4187635.0,	6.7,	6.7,	0.0);
(	651475.0,	4187660.0,	6.5,	6.5,	0.0);	(	651500.0,	4187660.0,	6.4,	6.4,	0.0);
(	651525.0,	4187660.0,	6.3,	6.3,	0.0);	(	651550.0,	4187660.0,	6.2,	6.2,	0.0);
(	651575.0,	4187660.0,	6.2,	6.2,	0.0);	(	651625.0,	4187660.0,	6.2,	6.2,	0.0);
(	651650.0,	4187660.0,	6.3,	6.3,	0.0);	(	651675.0,	4187660.0,	6.4,	6.4,	0.0);
(	651700.0,	4187660.0,	6.5,	6.5,	0.0);	(	651725.0,	4187660.0,	6.6,	6.6,	0.0);
(	651750.0,	4187660.0,	6.6,	6.6,	0.0);	(	651475.0,	4187685.0,	6.8,	6.8,	0.0);
(	651500.0,	4187685.0,	6.7,	6.7,	0.0);	(	651525.0,	4187685.0,	6.5,	6.5,	0.0);
(	651550.0,	4187685.0,	6.3,	6.3,	0.0);	(	651575.0,	4187685.0,	6.2,	6.2,	0.0);
(	651625.0,	4187685.0,	6.2,	6.2,	0.0);	(	651650.0,	4187685.0,	6.3,	6.3,	0.0);
(	651675.0,	4187685.0,	6.3,	6.3,	0.0);	(	651700.0,	4187685.0,	6.4,	6.4,	0.0);
(	651725.0,	4187685.0,	6.5,	6.5,	0.0);	(	651750.0,	4187685.0,	6.6,	6.6,	0.0);
(	651475.0,	4187710.0,	6.8,	6.8,	0.0);	(	651500.0,	4187710.0,	6.8,	6.8,	0.0);
(	651525.0,	4187710.0,	6.6,	6.6,	0.0);	(	651550.0,	4187710.0,	6.3,	6.3,	0.0);
(	651575.0,	4187710.0,	6.2,	6.2,	0.0);	(	651625.0,	4187710.0,	6.1,	6.1,	0.0);
(	651650.0,	4187710.0,	6.2,	6.2,	0.0);	(	651675.0,	4187710.0,	6.2,	6.2,	0.0);
(	651700.0,	4187710.0,	6.3,	6.3,	0.0);	(	651725.0,	4187710.0,	6.4,	6.4,	0.0);
(	651750.0,	4187710.0,	6.6,	6.6,	0.0);	(	651475.0,	4187735.0,	6.9,	6.9,	0.0);
(	651500.0,	4187735.0,	6.8,	6.8,	0.0);	(	651525.0,	4187735.0,	6.6,	6.6,	0.0);
(	651550.0,	4187735.0,	6.3,	6.3,	0.0);	(	651575.0,	4187735.0,	6.2,	6.2,	0.0);
(	651625.0,	4187735.0,	6.1,	6.1,	0.0);	(	651650.0,	4187735.0,	6.1,	6.1,	0.0);
(	651675.0,	4187735.0,	6.1,	6.1,	0.0);	(	651700.0,	4187735.0,	6.1,	6.1,	0.0);
(	651725.0,	4187735.0,	6.2,	6.2,	0.0);	(	651750.0,	4187735.0,	6.5,	6.5,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(651475.0,	4187760.0,	6.8,	6.8,	0.0);	(651500.0,	4187760.0,	6.7,	6.7,	0.0);
(651525.0,	4187760.0,	6.5,	6.5,	0.0);	(651550.0,	4187760.0,	6.3,	6.3,	0.0);
(651575.0,	4187760.0,	6.1,	6.1,	0.0);	(651625.0,	4187760.0,	5.9,	5.9,	0.0);
(651650.0,	4187760.0,	5.9,	5.9,	0.0);	(651675.0,	4187760.0,	5.9,	5.9,	0.0);
(651700.0,	4187760.0,	5.8,	5.8,	0.0);	(651725.0,	4187760.0,	5.9,	5.9,	0.0);
(651750.0,	4187760.0,	6.2,	6.2,	0.0);	(651475.0,	4187785.0,	6.5,	6.5,	0.0);
(651500.0,	4187785.0,	6.5,	6.5,	0.0);	(651525.0,	4187785.0,	6.4,	6.4,	0.0);
(651550.0,	4187785.0,	6.2,	6.2,	0.0);	(651575.0,	4187785.0,	6.0,	6.0,	0.0);
(651625.0,	4187785.0,	5.8,	5.8,	0.0);	(651650.0,	4187785.0,	5.7,	5.7,	0.0);
(651675.0,	4187785.0,	5.6,	5.6,	0.0);	(651700.0,	4187785.0,	5.5,	5.5,	0.0);
(651725.0,	4187785.0,	5.5,	5.5,	0.0);	(651750.0,	4187785.0,	5.8,	5.8,	0.0);
(651475.0,	4187810.0,	6.3,	6.3,	0.0);	(651500.0,	4187810.0,	6.2,	6.2,	0.0);
(651525.0,	4187810.0,	6.1,	6.1,	0.0);	(651550.0,	4187810.0,	6.0,	6.0,	0.0);
(651575.0,	4187810.0,	5.9,	5.9,	0.0);	(651625.0,	4187810.0,	5.7,	5.7,	0.0);
(651650.0,	4187810.0,	5.5,	5.5,	0.0);	(651675.0,	4187810.0,	5.5,	5.5,	0.0);
(651700.0,	4187810.0,	5.4,	5.4,	0.0);	(651725.0,	4187810.0,	5.4,	5.4,	0.0);
(651750.0,	4187810.0,	5.6,	5.6,	0.0);	(651475.0,	4187835.0,	6.0,	6.0,	0.0);
(651500.0,	4187835.0,	6.0,	6.0,	0.0);	(651525.0,	4187835.0,	5.9,	5.9,	0.0);
(651550.0,	4187835.0,	5.8,	5.8,	0.0);	(651575.0,	4187835.0,	5.7,	5.7,	0.0);
(651625.0,	4187835.0,	5.6,	5.6,	0.0);	(651650.0,	4187835.0,	5.5,	5.5,	0.0);
(651675.0,	4187835.0,	5.5,	5.5,	0.0);	(651700.0,	4187835.0,	5.4,	5.4,	0.0);
(651725.0,	4187835.0,	5.5,	5.5,	0.0);	(651750.0,	4187835.0,	5.8,	5.8,	0.0);
(651475.0,	4187860.0,	5.8,	5.8,	0.0);	(651500.0,	4187860.0,	5.8,	5.8,	0.0);
(651525.0,	4187860.0,	5.7,	5.7,	0.0);	(651550.0,	4187860.0,	5.6,	5.6,	0.0);
(651575.0,	4187860.0,	5.5,	5.5,	0.0);	(651625.0,	4187860.0,	5.5,	5.5,	0.0);
(651650.0,	4187860.0,	5.5,	5.5,	0.0);	(651675.0,	4187860.0,	5.5,	5.5,	0.0);
(651700.0,	4187860.0,	5.6,	5.6,	0.0);	(651725.0,	4187860.0,	5.7,	5.7,	0.0);
(651750.0,	4187860.0,	6.1,	6.1,	0.0);	(651475.0,	4187885.0,	5.7,	5.7,	0.0);
(651500.0,	4187885.0,	5.6,	5.6,	0.0);	(651525.0,	4187885.0,	5.5,	5.5,	0.0);
(651550.0,	4187885.0,	5.4,	5.4,	0.0);	(651575.0,	4187885.0,	5.3,	5.3,	0.0);
(651625.0,	4187885.0,	5.4,	5.4,	0.0);	(651650.0,	4187885.0,	5.4,	5.4,	0.0);
(651675.0,	4187885.0,	5.5,	5.5,	0.0);	(651700.0,	4187885.0,	5.6,	5.6,	0.0);
(651725.0,	4187885.0,	5.9,	5.9,	0.0);	(651750.0,	4187885.0,	6.2,	6.2,	0.0);
(651475.0,	4187910.0,	5.5,	5.5,	0.0);	(651500.0,	4187910.0,	5.5,	5.5,	0.0);
(651525.0,	4187910.0,	5.4,	5.4,	0.0);	(651550.0,	4187910.0,	5.3,	5.3,	0.0);
(651575.0,	4187910.0,	5.3,	5.3,	0.0);	(651625.0,	4187910.0,	5.3,	5.3,	0.0);
(651650.0,	4187910.0,	5.3,	5.3,	0.0);	(651675.0,	4187910.0,	5.3,	5.3,	0.0);
(651700.0,	4187910.0,	5.4,	5.4,	0.0);	(651725.0,	4187910.0,	5.8,	5.8,	0.0);
(651750.0,	4187910.0,	6.3,	6.3,	0.0);	(651475.0,	4187935.0,	5.4,	5.4,	0.0);
(651500.0,	4187935.0,	5.4,	5.4,	0.0);	(651525.0,	4187935.0,	5.4,	5.4,	0.0);
(651550.0,	4187935.0,	5.3,	5.3,	0.0);	(651575.0,	4187935.0,	5.3,	5.3,	0.0);
(651625.0,	4187935.0,	5.3,	5.3,	0.0);	(651650.0,	4187935.0,	5.3,	5.3,	0.0);
(651675.0,	4187935.0,	5.3,	5.3,	0.0);	(651700.0,	4187935.0,	5.4,	5.4,	0.0);
(651725.0,	4187935.0,	5.8,	5.8,	0.0);	(651750.0,	4187935.0,	6.1,	6.1,	0.0);

```
                                              *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                               (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1

               NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.


                                    *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                                           (METERS/SEC)

                                               1.54,   3.09,   5.14,   8.23,  10.80,
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Modesto_23258\Modesto_12-16 Met Version: 16216
Profile file: ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Modesto_23258\Modesto_12-16
Surface format: FREE
Profile format: FREE
Surface station no.: 23258 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2012 Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
12	01	01	1	01	-11.0	0.189	-9.000	-9.000	-999.	197.	56.0	0.06	0.91	1.00	2.86	91.	10.0	276.4	2.0
12	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.08	0.91	1.00	0.00	0.	10.0	276.4	2.0
12	01	01	1	03	-0.9	0.036	-9.000	-9.000	-999.	16.	4.7	0.10	0.91	1.00	0.83	158.	10.0	276.4	2.0
12	01	01	1	04	-0.7	0.032	-9.000	-9.000	-999.	14.	4.2	0.10	0.91	1.00	0.74	164.	10.0	276.4	2.0
12	01	01	1	05	-0.7	0.031	-9.000	-9.000	-999.	13.	3.8	0.06	0.91	1.00	0.79	94.	10.0	275.9	2.0
12	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.08	0.91	1.00	0.00	0.	10.0	275.4	2.0
12	01	01	1	07	-0.8	0.032	-9.000	-9.000	-999.	14.	4.0	0.06	0.91	1.00	0.84	132.	10.0	274.9	2.0
12	01	01	1	08	-1.7	0.048	-9.000	-9.000	-999.	25.	5.9	0.06	0.91	0.71	1.23	101.	10.0	275.9	2.0
12	01	01	1	09	-2.3	0.098	-9.000	-9.000	-999.	73.	37.1	0.06	0.91	0.38	1.59	104.	10.0	276.4	2.0
12	01	01	1	10	7.1	0.164	0.163	0.012	22.	159.	-56.6	0.06	0.91	0.27	1.94	102.	10.0	277.0	2.0
12	01	01	1	11	15.6	0.130	0.257	0.012	39.	113.	-12.8	0.06	0.91	0.23	1.37	121.	10.0	278.1	2.0
12	01	01	1	12	20.6	0.140	0.356	0.012	79.	126.	-12.2	0.06	0.91	0.21	1.47	135.	10.0	280.4	2.0
12	01	01	1	13	21.3	0.142	0.397	0.012	106.	129.	-12.3	0.06	0.91	0.21	1.48	94.	10.0	281.4	2.0
12	01	01	1	14	85.2	0.209	0.863	0.010	273.	230.	-9.7	0.09	0.91	0.22	1.91	89.	10.0	284.9	2.0
12	01	01	1	15	55.7	0.161	0.821	0.015	361.	156.	-6.8	0.09	0.91	0.26	1.40	67.	10.0	286.4	2.0
12	01	01	1	16	13.1	0.094	0.516	0.016	379.	70.	-5.8	0.06	0.91	0.35	0.89	99.	10.0	287.0	2.0
12	01	01	1	17	-2.7	0.054	-9.000	-9.000	-999.	30.	5.3	0.10	0.91	0.60	1.25	161.	10.0	283.8	2.0
12	01	01	1	18	-4.6	0.068	-9.000	-9.000	-999.	43.	6.4	0.10	0.91	1.00	1.59	261.	10.0	282.0	2.0
12	01	01	1	19	-3.1	0.054	-9.000	-9.000	-999.	31.	4.8	0.06	0.91	1.00	1.42	291.	10.0	280.4	2.0
12	01	01	1	20	-0.9	0.030	-9.000	-9.000	-999.	12.	2.7	0.07	0.91	1.00	0.75	306.	10.0	278.8	2.0
12	01	01	1	21	-1.1	0.038	-9.000	-9.000	-999.	18.	4.7	0.06	0.91	1.00	0.99	94.	10.0	276.4	2.0
12	01	01	1	22	-2.2	0.054	-9.000	-9.000	-999.	30.	6.7	0.06	0.91	1.00	1.40	106.	10.0	275.4	2.0
12	01	01	1	23	-2.4	0.057	-9.000	-9.000	-999.	33.	7.0	0.06	0.91	1.00	1.48	124.	10.0	275.4	2.0
12	01	01	1	24	-6.5	0.080	-9.000	-9.000	-999.	54.	7.1	0.06	0.91	1.00	2.06	111.	10.0	275.9	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	10.0	1	91.	2.86	276.5	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): POINT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651550.00	4188000.00	0.00004	651575.00	4188000.00	0.00004
651600.00	4188000.00	0.00005	651625.00	4188000.00	0.00005
651650.00	4188000.00	0.00006	651675.00	4188000.00	0.00006
651700.00	4188000.00	0.00007	651725.00	4188000.00	0.00008
651550.00	4188025.00	0.00004	651575.00	4188025.00	0.00004
651600.00	4188025.00	0.00005	651625.00	4188025.00	0.00005
651650.00	4188025.00	0.00006	651675.00	4188025.00	0.00007
651700.00	4188025.00	0.00007	651725.00	4188025.00	0.00009
651550.00	4188050.00	0.00004	651575.00	4188050.00	0.00005
651600.00	4188050.00	0.00005	651625.00	4188050.00	0.00005
651650.00	4188050.00	0.00006	651675.00	4188050.00	0.00007
651700.00	4188050.00	0.00008	651725.00	4188050.00	0.00009
651425.00	4188075.00	0.00003	651450.00	4188075.00	0.00003
651475.00	4188075.00	0.00004	651500.00	4188075.00	0.00004
651525.00	4188075.00	0.00004	651550.00	4188075.00	0.00004
651575.00	4188075.00	0.00005	651600.00	4188075.00	0.00005
651625.00	4188075.00	0.00006	651650.00	4188075.00	0.00006
651675.00	4188075.00	0.00007	651700.00	4188075.00	0.00008
651725.00	4188075.00	0.00010	651425.00	4188100.00	0.00003
651450.00	4188100.00	0.00004	651475.00	4188100.00	0.00004
651500.00	4188100.00	0.00004	651525.00	4188100.00	0.00004
651550.00	4188100.00	0.00005	651575.00	4188100.00	0.00005
651600.00	4188100.00	0.00005	651625.00	4188100.00	0.00006
651650.00	4188100.00	0.00007	651675.00	4188100.00	0.00007
651700.00	4188100.00	0.00008	651725.00	4188100.00	0.00010
651425.00	4188125.00	0.00004	651450.00	4188125.00	0.00004
651475.00	4188125.00	0.00004	651500.00	4188125.00	0.00004
651525.00	4188125.00	0.00005	651550.00	4188125.00	0.00005
651575.00	4188125.00	0.00005	651600.00	4188125.00	0.00006
651625.00	4188125.00	0.00006	651650.00	4188125.00	0.00007
651675.00	4188125.00	0.00008	651700.00	4188125.00	0.00009
651725.00	4188125.00	0.00010	651425.00	4188150.00	0.00004
651450.00	4188150.00	0.00004	651475.00	4188150.00	0.00004
651500.00	4188150.00	0.00005	651525.00	4188150.00	0.00005
651550.00	4188150.00	0.00005	651575.00	4188150.00	0.00006
651600.00	4188150.00	0.00006	651625.00	4188150.00	0.00006
651650.00	4188150.00	0.00007	651675.00	4188150.00	0.00008
651700.00	4188150.00	0.00009	651725.00	4188150.00	0.00011
651425.00	4188175.00	0.00004	651450.00	4188175.00	0.00004
651475.00	4188175.00	0.00004	651500.00	4188175.00	0.00005

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): POINT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651525.00	4188175.00	0.00005	651550.00	4188175.00	0.00005
651575.00	4188175.00	0.00006	651600.00	4188175.00	0.00006
651625.00	4188175.00	0.00007	651650.00	4188175.00	0.00008
651675.00	4188175.00	0.00009	651700.00	4188175.00	0.00010
651725.00	4188175.00	0.00012	651425.00	4188200.00	0.00004
651450.00	4188200.00	0.00004	651475.00	4188200.00	0.00005
651500.00	4188200.00	0.00005	651525.00	4188200.00	0.00005
651550.00	4188200.00	0.00006	651575.00	4188200.00	0.00006
651600.00	4188200.00	0.00007	651625.00	4188200.00	0.00007
651650.00	4188200.00	0.00008	651675.00	4188200.00	0.00009
651700.00	4188200.00	0.00011	651725.00	4188200.00	0.00013
651425.00	4188225.00	0.00004	651450.00	4188225.00	0.00005
651475.00	4188225.00	0.00005	651500.00	4188225.00	0.00005
651525.00	4188225.00	0.00006	651550.00	4188225.00	0.00006
651575.00	4188225.00	0.00007	651600.00	4188225.00	0.00007
651625.00	4188225.00	0.00008	651650.00	4188225.00	0.00009
651675.00	4188225.00	0.00010	651700.00	4188225.00	0.00012
651725.00	4188225.00	0.00015	651425.00	4188250.00	0.00005
651450.00	4188250.00	0.00005	651475.00	4188250.00	0.00005
651500.00	4188250.00	0.00006	651525.00	4188250.00	0.00006
651550.00	4188250.00	0.00007	651575.00	4188250.00	0.00007
651600.00	4188250.00	0.00008	651625.00	4188250.00	0.00009
651650.00	4188250.00	0.00010	651675.00	4188250.00	0.00012
651700.00	4188250.00	0.00014	651725.00	4188250.00	0.00017
651425.00	4188275.00	0.00005	651450.00	4188275.00	0.00005
651475.00	4188275.00	0.00006	651500.00	4188275.00	0.00006
651525.00	4188275.00	0.00007	651550.00	4188275.00	0.00007
651575.00	4188275.00	0.00008	651600.00	4188275.00	0.00009
651625.00	4188275.00	0.00010	651650.00	4188275.00	0.00011
651675.00	4188275.00	0.00013	651700.00	4188275.00	0.00016
651725.00	4188275.00	0.00021	651425.00	4188300.00	0.00006
651450.00	4188300.00	0.00006	651475.00	4188300.00	0.00006
651500.00	4188300.00	0.00007	651525.00	4188300.00	0.00007
651550.00	4188300.00	0.00008	651575.00	4188300.00	0.00009
651600.00	4188300.00	0.00010	651625.00	4188300.00	0.00011
651650.00	4188300.00	0.00013	651675.00	4188300.00	0.00015
651700.00	4188300.00	0.00019	651725.00	4188300.00	0.00025
651425.00	4188325.00	0.00006	651450.00	4188325.00	0.00007
651475.00	4188325.00	0.00007	651500.00	4188325.00	0.00008
651525.00	4188325.00	0.00008	651550.00	4188325.00	0.00009

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): POINT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651575.00	4188325.00	0.00010	651600.00	4188325.00	0.00011
651625.00	4188325.00	0.00012	651650.00	4188325.00	0.00015
651675.00	4188325.00	0.00018	651700.00	4188325.00	0.00023
651725.00	4188325.00	0.00031	651425.00	4188350.00	0.00007
651450.00	4188350.00	0.00008	651475.00	4188350.00	0.00008
651500.00	4188350.00	0.00009	651525.00	4188350.00	0.00010
651550.00	4188350.00	0.00011	651575.00	4188350.00	0.00012
651600.00	4188350.00	0.00013	651625.00	4188350.00	0.00015
651650.00	4188350.00	0.00017	651675.00	4188350.00	0.00022
651700.00	4188350.00	0.00028	651725.00	4188350.00	0.00039
651425.00	4188375.00	0.00008	651450.00	4188375.00	0.00009
651475.00	4188375.00	0.00010	651500.00	4188375.00	0.00011
651525.00	4188375.00	0.00012	651550.00	4188375.00	0.00013
651575.00	4188375.00	0.00015	651600.00	4188375.00	0.00016
651625.00	4188375.00	0.00018	651650.00	4188375.00	0.00022
651675.00	4188375.00	0.00027	651700.00	4188375.00	0.00035
651725.00	4188375.00	0.00048	651425.00	4188400.00	0.00010
651450.00	4188400.00	0.00011	651475.00	4188400.00	0.00012
651500.00	4188400.00	0.00014	651525.00	4188400.00	0.00015
651550.00	4188400.00	0.00017	651575.00	4188400.00	0.00018
651600.00	4188400.00	0.00020	651625.00	4188400.00	0.00023
651650.00	4188400.00	0.00026	651675.00	4188400.00	0.00031
651700.00	4188400.00	0.00038	651725.00	4188400.00	0.00050
651425.00	4188425.00	0.00012	651450.00	4188425.00	0.00014
651475.00	4188425.00	0.00015	651500.00	4188425.00	0.00017
651525.00	4188425.00	0.00019	651550.00	4188425.00	0.00020
651575.00	4188425.00	0.00022	651600.00	4188425.00	0.00024
651625.00	4188425.00	0.00026	651650.00	4188425.00	0.00029
651675.00	4188425.00	0.00032	651700.00	4188425.00	0.00037
651725.00	4188425.00	0.00044	651425.00	4188450.00	0.00015
651450.00	4188450.00	0.00016	651475.00	4188450.00	0.00018
651500.00	4188450.00	0.00019	651525.00	4188450.00	0.00021
651550.00	4188450.00	0.00023	651575.00	4188450.00	0.00024
651600.00	4188450.00	0.00026	651625.00	4188450.00	0.00027
651650.00	4188450.00	0.00028	651675.00	4188450.00	0.00031
651700.00	4188450.00	0.00033	651725.00	4188450.00	0.00036
651425.00	4188475.00	0.00017	651450.00	4188475.00	0.00018
651475.00	4188475.00	0.00020	651500.00	4188475.00	0.00021
651525.00	4188475.00	0.00023	651550.00	4188475.00	0.00024
651575.00	4188475.00	0.00025	651600.00	4188475.00	0.00025

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): POINT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651625.00	4188475.00	0.00026	651650.00	4188475.00	0.00027
651675.00	4188475.00	0.00028	651700.00	4188475.00	0.00029
651725.00	4188475.00	0.00028	651425.00	4188500.00	0.00018
651450.00	4188500.00	0.00019	651475.00	4188500.00	0.00021
651500.00	4188500.00	0.00022	651525.00	4188500.00	0.00023
651550.00	4188500.00	0.00024	651575.00	4188500.00	0.00024
651600.00	4188500.00	0.00024	651625.00	4188500.00	0.00024
651650.00	4188500.00	0.00024	651675.00	4188500.00	0.00025
651700.00	4188500.00	0.00024	651725.00	4188500.00	0.00023
651425.00	4188525.00	0.00019	651450.00	4188525.00	0.00020
651475.00	4188525.00	0.00021	651500.00	4188525.00	0.00021
651525.00	4188525.00	0.00022	651550.00	4188525.00	0.00022
651575.00	4188525.00	0.00022	651600.00	4188525.00	0.00022
651625.00	4188525.00	0.00022	651650.00	4188525.00	0.00022
651675.00	4188525.00	0.00022	651700.00	4188525.00	0.00021
651725.00	4188525.00	0.00019	651425.00	4188550.00	0.00019
651450.00	4188550.00	0.00019	651475.00	4188550.00	0.00020
651500.00	4188550.00	0.00020	651525.00	4188550.00	0.00020
651550.00	4188550.00	0.00020	651575.00	4188550.00	0.00020
651600.00	4188550.00	0.00020	651625.00	4188550.00	0.00020
651650.00	4188550.00	0.00020	651675.00	4188550.00	0.00019
651700.00	4188550.00	0.00018	651725.00	4188550.00	0.00017
651425.00	4188575.00	0.00018	651450.00	4188575.00	0.00018
651475.00	4188575.00	0.00018	651500.00	4188575.00	0.00018
651525.00	4188575.00	0.00018	651550.00	4188575.00	0.00018
651575.00	4188575.00	0.00018	651600.00	4188575.00	0.00018
651625.00	4188575.00	0.00018	651650.00	4188575.00	0.00017
651675.00	4188575.00	0.00017	651700.00	4188575.00	0.00016
651725.00	4188575.00	0.00014	651425.00	4188600.00	0.00017
651450.00	4188600.00	0.00017	651475.00	4188600.00	0.00017
651500.00	4188600.00	0.00017	651525.00	4188600.00	0.00017
651550.00	4188600.00	0.00017	651575.00	4188600.00	0.00016
651600.00	4188600.00	0.00016	651625.00	4188600.00	0.00016
651650.00	4188600.00	0.00015	651675.00	4188600.00	0.00015
651700.00	4188600.00	0.00014	651725.00	4188600.00	0.00013
651425.00	4188625.00	0.00015	651450.00	4188625.00	0.00015
651475.00	4188625.00	0.00015	651500.00	4188625.00	0.00015
651525.00	4188625.00	0.00015	651550.00	4188625.00	0.00015
651575.00	4188625.00	0.00015	651600.00	4188625.00	0.00015
651625.00	4188625.00	0.00014	651650.00	4188625.00	0.00014

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): POINT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651675.00	4188625.00	0.00013	651700.00	4188625.00	0.00012
651725.00	4188625.00	0.00011	651425.00	4188650.00	0.00014
651450.00	4188650.00	0.00014	651475.00	4188650.00	0.00014
651500.00	4188650.00	0.00014	651525.00	4188650.00	0.00014
651550.00	4188650.00	0.00014	651575.00	4188650.00	0.00013
651600.00	4188650.00	0.00013	651625.00	4188650.00	0.00013
651650.00	4188650.00	0.00012	651675.00	4188650.00	0.00012
651700.00	4188650.00	0.00011	651725.00	4188650.00	0.00010
651425.00	4188675.00	0.00013	651450.00	4188675.00	0.00013
651475.00	4188675.00	0.00013	651500.00	4188675.00	0.00013
651525.00	4188675.00	0.00013	651550.00	4188675.00	0.00012
651575.00	4188675.00	0.00012	651600.00	4188675.00	0.00012
651625.00	4188675.00	0.00012	651650.00	4188675.00	0.00011
651675.00	4188675.00	0.00010	651700.00	4188675.00	0.00010
651725.00	4188675.00	0.00009	651425.00	4188700.00	0.00012
651450.00	4188700.00	0.00012	651475.00	4188700.00	0.00012
651500.00	4188700.00	0.00012	651525.00	4188700.00	0.00012
651550.00	4188700.00	0.00011	651575.00	4188700.00	0.00011
651600.00	4188700.00	0.00011	651625.00	4188700.00	0.00010
651650.00	4188700.00	0.00010	651675.00	4188700.00	0.00010
651700.00	4188700.00	0.00009	651725.00	4188700.00	0.00009
651475.00	4187560.00	0.00002	651500.00	4187560.00	0.00002
651525.00	4187560.00	0.00002	651550.00	4187560.00	0.00002
651575.00	4187560.00	0.00003	651625.00	4187560.00	0.00003
651650.00	4187560.00	0.00003	651675.00	4187560.00	0.00004
651700.00	4187560.00	0.00004	651725.00	4187560.00	0.00004
651750.00	4187560.00	0.00004	651475.00	4187585.00	0.00002
651500.00	4187585.00	0.00002	651525.00	4187585.00	0.00002
651550.00	4187585.00	0.00002	651575.00	4187585.00	0.00003
651625.00	4187585.00	0.00003	651650.00	4187585.00	0.00003
651675.00	4187585.00	0.00004	651700.00	4187585.00	0.00004
651725.00	4187585.00	0.00004	651750.00	4187585.00	0.00005
651475.00	4187610.00	0.00002	651500.00	4187610.00	0.00002
651525.00	4187610.00	0.00002	651550.00	4187610.00	0.00003
651575.00	4187610.00	0.00003	651625.00	4187610.00	0.00003
651650.00	4187610.00	0.00003	651675.00	4187610.00	0.00004
651700.00	4187610.00	0.00004	651725.00	4187610.00	0.00004
651750.00	4187610.00	0.00005	651475.00	4187635.00	0.00002
651500.00	4187635.00	0.00002	651525.00	4187635.00	0.00002
651550.00	4187635.00	0.00003	651575.00	4187635.00	0.00003

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): POINT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651625.00	4187635.00	0.00003	651650.00	4187635.00	0.00004
651675.00	4187635.00	0.00004	651700.00	4187635.00	0.00004
651725.00	4187635.00	0.00005	651750.00	4187635.00	0.00005
651475.00	4187660.00	0.00002	651500.00	4187660.00	0.00002
651525.00	4187660.00	0.00003	651550.00	4187660.00	0.00003
651575.00	4187660.00	0.00003	651625.00	4187660.00	0.00003
651650.00	4187660.00	0.00004	651675.00	4187660.00	0.00004
651700.00	4187660.00	0.00004	651725.00	4187660.00	0.00005
651750.00	4187660.00	0.00005	651475.00	4187685.00	0.00002
651500.00	4187685.00	0.00002	651525.00	4187685.00	0.00003
651550.00	4187685.00	0.00003	651575.00	4187685.00	0.00003
651625.00	4187685.00	0.00003	651650.00	4187685.00	0.00004
651675.00	4187685.00	0.00004	651700.00	4187685.00	0.00005
651725.00	4187685.00	0.00005	651750.00	4187685.00	0.00006
651475.00	4187710.00	0.00002	651500.00	4187710.00	0.00003
651525.00	4187710.00	0.00003	651550.00	4187710.00	0.00003
651575.00	4187710.00	0.00003	651625.00	4187710.00	0.00004
651650.00	4187710.00	0.00004	651675.00	4187710.00	0.00004
651700.00	4187710.00	0.00005	651725.00	4187710.00	0.00005
651750.00	4187710.00	0.00006	651475.00	4187735.00	0.00002
651500.00	4187735.00	0.00003	651525.00	4187735.00	0.00003
651550.00	4187735.00	0.00003	651575.00	4187735.00	0.00003
651625.00	4187735.00	0.00004	651650.00	4187735.00	0.00004
651675.00	4187735.00	0.00004	651700.00	4187735.00	0.00005
651725.00	4187735.00	0.00005	651750.00	4187735.00	0.00006
651475.00	4187760.00	0.00003	651500.00	4187760.00	0.00003
651525.00	4187760.00	0.00003	651550.00	4187760.00	0.00003
651575.00	4187760.00	0.00003	651625.00	4187760.00	0.00004
651650.00	4187760.00	0.00004	651675.00	4187760.00	0.00005
651700.00	4187760.00	0.00005	651725.00	4187760.00	0.00006
651750.00	4187760.00	0.00006	651475.00	4187785.00	0.00003
651500.00	4187785.00	0.00003	651525.00	4187785.00	0.00003
651550.00	4187785.00	0.00003	651575.00	4187785.00	0.00003
651625.00	4187785.00	0.00004	651650.00	4187785.00	0.00004
651675.00	4187785.00	0.00005	651700.00	4187785.00	0.00005
651725.00	4187785.00	0.00006	651750.00	4187785.00	0.00007
651475.00	4187810.00	0.00003	651500.00	4187810.00	0.00003
651525.00	4187810.00	0.00003	651550.00	4187810.00	0.00003
651575.00	4187810.00	0.00003	651625.00	4187810.00	0.00004
651650.00	4187810.00	0.00004	651675.00	4187810.00	0.00005

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): POINT ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651700.00	4187810.00	0.00005	651725.00	4187810.00	0.00006
651750.00	4187810.00	0.00007	651475.00	4187835.00	0.00003
651500.00	4187835.00	0.00003	651525.00	4187835.00	0.00003
651550.00	4187835.00	0.00003	651575.00	4187835.00	0.00003
651625.00	4187835.00	0.00004	651650.00	4187835.00	0.00005
651675.00	4187835.00	0.00005	651700.00	4187835.00	0.00006
651725.00	4187835.00	0.00006	651750.00	4187835.00	0.00007
651475.00	4187860.00	0.00003	651500.00	4187860.00	0.00003
651525.00	4187860.00	0.00003	651550.00	4187860.00	0.00003
651575.00	4187860.00	0.00004	651625.00	4187860.00	0.00004
651650.00	4187860.00	0.00005	651675.00	4187860.00	0.00005
651700.00	4187860.00	0.00006	651725.00	4187860.00	0.00007
651750.00	4187860.00	0.00008	651475.00	4187885.00	0.00003
651500.00	4187885.00	0.00003	651525.00	4187885.00	0.00003
651550.00	4187885.00	0.00003	651575.00	4187885.00	0.00004
651625.00	4187885.00	0.00004	651650.00	4187885.00	0.00005
651675.00	4187885.00	0.00005	651700.00	4187885.00	0.00006
651725.00	4187885.00	0.00007	651750.00	4187885.00	0.00008
651475.00	4187910.00	0.00003	651500.00	4187910.00	0.00003
651525.00	4187910.00	0.00003	651550.00	4187910.00	0.00004
651575.00	4187910.00	0.00004	651625.00	4187910.00	0.00004
651650.00	4187910.00	0.00005	651675.00	4187910.00	0.00006
651700.00	4187910.00	0.00006	651725.00	4187910.00	0.00007
651750.00	4187910.00	0.00009	651475.00	4187935.00	0.00003
651500.00	4187935.00	0.00003	651525.00	4187935.00	0.00003
651550.00	4187935.00	0.00004	651575.00	4187935.00	0.00004
651625.00	4187935.00	0.00005	651650.00	4187935.00	0.00005
651675.00	4187935.00	0.00006	651700.00	4187935.00	0.00007
651725.00	4187935.00	0.00008	651750.00	4187935.00	0.00009

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)					OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00050 AT	(651725.00,	4188400.00,	6.15,	6.15,	0.00)	DC	
	2ND HIGHEST VALUE IS	0.00048 AT	(651725.00,	4188375.00,	6.34,	6.34,	0.00)	DC	
	3RD HIGHEST VALUE IS	0.00044 AT	(651725.00,	4188425.00,	5.78,	5.78,	0.00)	DC	
	4TH HIGHEST VALUE IS	0.00039 AT	(651725.00,	4188350.00,	6.41,	6.41,	0.00)	DC	
	5TH HIGHEST VALUE IS	0.00038 AT	(651700.00,	4188400.00,	5.92,	5.92,	0.00)	DC	
	6TH HIGHEST VALUE IS	0.00037 AT	(651700.00,	4188425.00,	5.62,	5.62,	0.00)	DC	
	7TH HIGHEST VALUE IS	0.00036 AT	(651725.00,	4188450.00,	5.38,	5.38,	0.00)	DC	
	8TH HIGHEST VALUE IS	0.00035 AT	(651700.00,	4188375.00,	6.17,	6.17,	0.00)	DC	
	9TH HIGHEST VALUE IS	0.00033 AT	(651700.00,	4188450.00,	5.34,	5.34,	0.00)	DC	
	10TH HIGHEST VALUE IS	0.00032 AT	(651675.00,	4188425.00,	5.54,	5.54,	0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   1 Warning Message(s)
A Total of   1738 Informational Message(s)

A Total of   43848 Hours Were Processed

A Total of   1156 Calm Hours Identified

A Total of   582 Missing Hours Identified (1.33 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
ME W186   71   MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used   0.50

   ****
   *** AERMOD Finishes Successfully ***
   ****

```
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE Valley Link: River Islands Station, 2025 Annual Idling DPM
   TITLETWO Traditional Diesel
   MODELOPT CONC FASTAREA
   AVERTIME ANNUAL
   URBANOPT 538000 Modesto
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL River_Island_Station_2025_Idling.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION RIVERISLAND1 AREAPOLY   647046.695  4182703.425        4.620
** DESCRSRC River Islands Station: Platform
   LOCATION RIVERISLAND2 AREAPOLY   647063.700  4182854.780        3.880
** DESCRSRC River Islands Station: Parking, Pedestrain Crossing and Access Road
   LOCATION STCK1        POINT      647096.410  4182736.980        5.730
** Source Parameters **
   SRCPARAM RIVERISLAND1       0.0     3.000         4     0.700
   AREAVERT RIVERISLAND1 647046.695 4182703.425 647144.309 4182787.329
   AREAVERT RIVERISLAND1 647147.051 4182783.490 647050.534 4182697.393
   SRCPARAM RIVERISLAND2       0.0     3.000        59     0.700
   AREAVERT RIVERISLAND2 647063.700 4182854.780 647069.730 4182861.360
   AREAVERT RIVERISLAND2 647071.920 4182858.070 647120.730 4182903.040
   AREAVERT RIVERISLAND2 647150.890 4182868.490 647154.180 4182871.230
   AREAVERT RIVERISLAND2 647159.660 4182865.750 647156.370 4182863.010
   AREAVERT RIVERISLAND2 647164.600 4182853.680 647129.500 4182822.430
   AREAVERT RIVERISLAND2 647132.240 4182819.680 647127.860 4182816.390
   AREAVERT RIVERISLAND2 647138.280 4182804.330 647142.120 4182808.170
   AREAVERT RIVERISLAND2 647144.860 4182804.880 647140.470 4182802.140
   AREAVERT RIVERISLAND2 647152.530 4182788.970 647150.890 4182787.330
   AREAVERT RIVERISLAND2 647188.730 4182745.100 647245.760 4182796.650
   AREAVERT RIVERISLAND2 647251.240 4182791.720 647259.470 4182795.560
   AREAVERT RIVERISLAND2 647269.340 4182793.910 647282.500 4182781.300
   AREAVERT RIVERISLAND2 647808.840 4182208.150 647798.950 4182195.780
   AREAVERT RIVERISLAND2 647341.600 4182698.870 647160.760 4182521.360
   AREAVERT RIVERISLAND2 647150.890 4182533.970 647143.760 4182526.300
   AREAVERT RIVERISLAND2 647057.660 4182617.880 647159.660 4182714.940
   AREAVERT RIVERISLAND2 647155.280 4182721.520 647181.050 4182745.650
   AREAVERT RIVERISLAND2 647137.730 4182795.010 647109.760 4182770.880
   AREAVERT RIVERISLAND2 647106.470 4182775.810 647133.340 4182799.940
   AREAVERT RIVERISLAND2 647122.920 4182812.560 647027.500 4182723.720
   AREAVERT RIVERISLAND2 647049.990 4182697.390 647004.470 4182657.360
   AREAVERT RIVERISLAND2 647001.180 4182661.750 647041.760 4182697.390
   AREAVERT RIVERISLAND2 647022.570 4182719.880 647018.180 4182716.040
   AREAVERT RIVERISLAND2 647015.440 4182717.680 646989.110 4182694.100
   AREAVERT RIVERISLAND2 646968.280 4182716.590 646966.080 4182714.390
   AREAVERT RIVERISLAND2 646961.150 4182719.880 646963.340 4182722.070
   AREAVERT RIVERISLAND2 646944.690 4182742.360 647034.630 4182824.620
   AREAVERT RIVERISLAND2 647032.990 4182827.910 647039.570 4182833.940
   AREAVERT RIVERISLAND2 647060.400 4182812.010 647080.700 4182828.460
   AREAVERT RIVERISLAND2 647083.990 4182833.940
   SRCPARAM STCK1        0.0000647     4.520   389.100   5.10000     0.550
   URBANSRC ALL

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Scenario 1"
   EMISFACT STCK1        HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED River_Island_Station_2025_Idling.rou
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Modesto_23258\Modesto_12-16.SFC
   PROFFILE ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Modesto_23258\Modesto_12-16.PFL
   SURFDATA 23258 2012
   UAIRDATA 23230 2012 OAKLAND/WSO_AP
```

```
   PROFBASE 30.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   PLOTFILE ANNUAL ALL RIVER_ISLAND_STATION_2025_IDLING.AD\River_Islands_Station_idling_2025_annual_DPM.PLT 31
   FILEFORM EXP
   SUMMFILE River_Island_Station_2025_Idling.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            3 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 SO W320      43       APPARM: Input Parameter May Be Out-of-Range for Parameter            QS
 SO W320      46       APPARM: Input Parameter May Be Out-of-Range for Parameter            QS
 ME W186     109       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50

 ***********************************
 *** SETUP Finishes Successfully ***
 ***********************************
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

***   MODEL SETUP OPTIONS SUMMARY   ***

- -

**Model Is Setup For Calculation of Average CONCentration Values.

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for   3 Source(s),
  for Total of   1 Urban Area(s):
  Urban Population =   538000.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Full Conversion Assumed for NO2.
        6. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:
        FASTAREA - Use hybrid approach to optimize AREA sources;
                   also applies to LINE sources (formerly TOXICS option)
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 3 Source(s);   1 Source Group(s); and   20 Receptor(s)

               with: 1 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                 and: 0 VOLUME source(s)
                 and: 2 AREA type source(s)
                 and: 0 LINE source(s)
                 and: 0 OPENPIT source(s)
                 and: 0 BUOYANT LINE source(s) with   0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

         NOTE: Option for EXPonential format used in formatted output result files (FILEFORM Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   30.00 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   3.5 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: River_Island_Station_2025_Idling.err
**File for Summary of Results: River_Island_Station_2025_Idling.sum

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
STCK1	0	0.64700E-04	647096.4	4182737.0	5.7	4.52	389.10	5.10	0.55	NO	YES	NO	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
RIVERISLAND1	0	0.00000E+00	647046.7	4182703.4	4.6	3.00	4	0.70	YES	
RIVERISLAND2	0	0.00000E+00	647063.7	4182854.8	3.9	3.00	59	0.70	YES	

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	RIVERISLAND1, RIVERISLAND2, STCK1 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	538000.	RIVERISLAND1, RIVERISLAND2, STCK1 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = STCK1 ; SOURCE TYPE = POINT :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(648794.0, 4183823.0,	9.1,	9.1,	0.0);	(648814.5, 4183840.5,	10.0,	10.0,	0.0);
(648821.4, 4183860.4,	10.2,	10.2,	0.0);	(648751.3, 4183835.2,	7.0,	7.0,	0.0);
(648764.2, 4183852.0,	7.3,	7.3,	0.0);	(648774.2, 4183868.0,	7.9,	7.9,	0.0);
(648789.4, 4183882.5,	8.1,	8.1,	0.0);	(648791.7, 4183768.2,	8.5,	8.5,	0.0);
(648813.0, 4183772.0,	8.9,	8.9,	0.0);	(648829.8, 4183781.9,	9.1,	9.1,	0.0);
(648711.7, 4183866.5,	7.0,	7.0,	0.0);	(648682.7, 4183885.5,	6.0,	6.0,	0.0);
(648664.4, 4183896.9,	5.9,	5.9,	0.0);	(646872.0, 4181424.0,	5.2,	5.2,	0.0);
(646656.0, 4181170.0,	5.4,	5.4,	0.0);	(646748.0, 4180959.0,	7.5,	7.5,	0.0);
(647103.0, 4183994.0,	4.3,	4.3,	0.0);	(647199.5, 4183999.9,	3.9,	3.9,	0.0);
(647273.9, 4183999.9,	3.9,	3.9,	0.0);	(647356.4, 4184011.9,	3.7,	3.7,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

```
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Modesto_23258\Modesto_12-16 Met Version: 16216
Profile file: ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Modesto_23258\Modesto_12-16
Surface format: FREE
Profile format: FREE
Surface station no.: 23258 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2012 Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
12	01	01	1	01	-11.0	0.189	-9.000	-9.000	-999.	197.	56.0	0.06	0.91	1.00	2.86	91.	10.0	276.4	2.0
12	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.08	0.91	1.00	0.00	0.	10.0	276.4	2.0
12	01	01	1	03	-0.9	0.036	-9.000	-9.000	-999.	16.	4.7	0.10	0.91	1.00	0.83	158.	10.0	276.4	2.0
12	01	01	1	04	-0.7	0.032	-9.000	-9.000	-999.	14.	4.2	0.10	0.91	1.00	0.74	164.	10.0	276.4	2.0
12	01	01	1	05	-0.7	0.031	-9.000	-9.000	-999.	13.	3.8	0.06	0.91	1.00	0.79	94.	10.0	275.9	2.0
12	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.08	0.91	1.00	0.00	0.	10.0	275.4	2.0
12	01	01	1	07	-0.8	0.032	-9.000	-9.000	-999.	14.	4.0	0.06	0.91	1.00	0.84	132.	10.0	274.9	2.0
12	01	01	1	08	-1.7	0.048	-9.000	-9.000	-999.	25.	5.9	0.06	0.91	0.71	1.23	101.	10.0	275.9	2.0
12	01	01	1	09	-2.3	0.098	-9.000	-9.000	-999.	73.	37.1	0.06	0.91	0.38	1.59	104.	10.0	276.4	2.0
12	01	01	1	10	7.1	0.164	0.163	0.012	22.	159.	-56.6	0.06	0.91	0.27	1.94	102.	10.0	277.0	2.0
12	01	01	1	11	15.6	0.130	0.257	0.012	39.	113.	-12.8	0.06	0.91	0.23	1.37	121.	10.0	278.1	2.0
12	01	01	1	12	20.6	0.140	0.356	0.012	79.	126.	-12.2	0.06	0.91	0.21	1.47	135.	10.0	280.4	2.0
12	01	01	1	13	21.3	0.142	0.397	0.012	106.	129.	-12.3	0.06	0.91	0.21	1.48	94.	10.0	281.4	2.0
12	01	01	1	14	85.2	0.209	0.863	0.010	273.	230.	-9.7	0.09	0.91	0.22	1.91	89.	10.0	284.9	2.0
12	01	01	1	15	55.7	0.161	0.821	0.015	361.	156.	-6.8	0.09	0.91	0.26	1.40	67.	10.0	286.4	2.0
12	01	01	1	16	13.1	0.094	0.516	0.016	379.	70.	-5.8	0.06	0.91	0.35	0.89	99.	10.0	287.0	2.0
12	01	01	1	17	-2.7	0.054	-9.000	-9.000	-999.	30.	5.3	0.10	0.91	0.60	1.25	161.	10.0	283.8	2.0
12	01	01	1	18	-4.6	0.068	-9.000	-9.000	-999.	43.	6.4	0.10	0.91	1.00	1.59	261.	10.0	282.0	2.0
12	01	01	1	19	-3.1	0.054	-9.000	-9.000	-999.	31.	4.8	0.06	0.91	1.00	1.42	291.	10.0	280.4	2.0
12	01	01	1	20	-0.9	0.030	-9.000	-9.000	-999.	12.	2.7	0.07	0.91	1.00	0.75	306.	10.0	278.8	2.0
12	01	01	1	21	-1.1	0.038	-9.000	-9.000	-999.	18.	4.7	0.06	0.91	1.00	0.99	94.	10.0	276.4	2.0
12	01	01	1	22	-2.2	0.054	-9.000	-9.000	-999.	30.	6.7	0.06	0.91	1.00	1.40	106.	10.0	275.4	2.0
12	01	01	1	23	-2.4	0.057	-9.000	-9.000	-999.	33.	7.0	0.06	0.91	1.00	1.48	124.	10.0	275.4	2.0
12	01	01	1	24	-6.5	0.080	-9.000	-9.000	-999.	54.	7.1	0.06	0.91	1.00	2.06	111.	10.0	275.9	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	10.0	1	91.	2.86	276.5	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): RIVERISLAND1, RIVERISLAND2, STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
648793.96	4183823.03	0.00001	648814.54	4183840.55	0.00001
648821.39	4183860.36	0.00001	648751.30	4183835.22	0.00001
648764.25	4183851.98	0.00001	648774.15	4183867.98	0.00001
648789.39	4183882.46	0.00001	648791.68	4183768.17	0.00001
648813.01	4183771.98	0.00001	648829.77	4183781.88	0.00001
648711.68	4183866.46	0.00001	648682.72	4183885.51	0.00001
648664.44	4183896.93	0.00001	646872.00	4181424.00	0.00001
646656.00	4181170.00	0.00001	646748.00	4180959.00	0.00001
647103.00	4183994.00	0.00001	647199.46	4183999.86	0.00001
647273.92	4183999.86	0.00001	647356.42	4184011.93	0.00001

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00001 AT	(646872.00, 4181424.00, 5.21, 5.21, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00001 AT	(647103.00, 4183994.00, 4.28, 4.28, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00001 AT	(647199.46, 4183999.86, 3.87, 3.87, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00001 AT	(647273.92, 4183999.86, 3.92, 3.92, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00001 AT	(647356.42, 4184011.93, 3.72, 3.72, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00001 AT	(646656.00, 4181170.00, 5.38, 5.38, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00001 AT	(646748.00, 4180959.00, 7.51, 7.51, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00001 AT	(648791.68, 4183768.17, 8.48, 8.48, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00001 AT	(648813.01, 4183771.98, 8.88, 8.88, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00001 AT	(648751.30, 4183835.22, 7.02, 7.02, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   3 Warning Message(s)
A Total of   1738 Informational Message(s)

A Total of   43848 Hours Were Processed

A Total of   1156 Calm Hours Identified

A Total of   582 Missing Hours Identified (1.33 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
SO W320   43   APPARM: Input Parameter May Be Out-of-Range for Parameter   QS
SO W320   46   APPARM: Input Parameter May Be Out-of-Range for Parameter   QS
ME W186   109   MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used   0.50

   ****
   *** AERMOD Finishes Successfully ***
   ****

```
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE Valley Link: River Islands Station, 2040 Annual Idling DPM
   TITLETWO Traditional Diesel
   MODELOPT CONC FASTAREA
   AVERTIME ANNUAL
   URBANOPT 538000 Modesto
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL River_Island_Station_2040_Idling.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION RIVERISLAND1 AREAPOLY   647046.695  4182703.425        4.620
** DESCRSRC River Islands Station: Platform
   LOCATION RIVERISLAND2 AREAPOLY   647063.700  4182854.780        3.880
** DESCRSRC River Islands Station: Parking, Pedestrain Crossing and Access Road
   LOCATION STCK1        POINT      647096.410  4182736.980        5.730
** Source Parameters **
   SRCPARAM RIVERISLAND1       0.0     3.000         4     0.700
   AREAVERT RIVERISLAND1 647046.695 4182703.425 647144.309 4182787.329
   AREAVERT RIVERISLAND1 647147.051 4182783.490 647050.534 4182697.393
   SRCPARAM RIVERISLAND2       0.0     3.000        59     0.700
   AREAVERT RIVERISLAND2 647063.700 4182854.780 647069.730 4182861.360
   AREAVERT RIVERISLAND2 647071.920 4182858.070 647120.730 4182903.040
   AREAVERT RIVERISLAND2 647150.890 4182868.490 647154.180 4182871.230
   AREAVERT RIVERISLAND2 647159.660 4182865.750 647156.370 4182863.010
   AREAVERT RIVERISLAND2 647164.600 4182853.680 647129.500 4182822.430
   AREAVERT RIVERISLAND2 647132.240 4182819.680 647127.860 4182816.390
   AREAVERT RIVERISLAND2 647138.280 4182804.330 647142.120 4182808.170
   AREAVERT RIVERISLAND2 647144.860 4182804.880 647140.470 4182802.140
   AREAVERT RIVERISLAND2 647152.530 4182788.970 647150.890 4182787.330
   AREAVERT RIVERISLAND2 647188.730 4182745.100 647245.760 4182796.650
   AREAVERT RIVERISLAND2 647251.240 4182791.720 647259.470 4182795.560
   AREAVERT RIVERISLAND2 647269.340 4182793.910 647282.500 4182781.300
   AREAVERT RIVERISLAND2 647808.840 4182208.150 647798.950 4182195.780
   AREAVERT RIVERISLAND2 647341.600 4182698.870 647160.760 4182521.360
   AREAVERT RIVERISLAND2 647150.890 4182533.970 647143.760 4182526.300
   AREAVERT RIVERISLAND2 647057.660 4182617.880 647159.660 4182714.940
   AREAVERT RIVERISLAND2 647155.280 4182721.520 647181.050 4182745.650
   AREAVERT RIVERISLAND2 647137.730 4182795.010 647109.760 4182770.880
   AREAVERT RIVERISLAND2 647106.470 4182775.810 647133.340 4182799.940
   AREAVERT RIVERISLAND2 647122.920 4182812.560 647027.500 4182723.720
   AREAVERT RIVERISLAND2 647049.990 4182697.390 647004.470 4182657.360
   AREAVERT RIVERISLAND2 647001.180 4182661.750 647041.760 4182697.390
   AREAVERT RIVERISLAND2 647022.570 4182719.880 647018.180 4182716.040
   AREAVERT RIVERISLAND2 647015.440 4182717.680 646989.110 4182694.100
   AREAVERT RIVERISLAND2 646968.280 4182716.590 646966.080 4182714.390
   AREAVERT RIVERISLAND2 646961.150 4182719.880 646963.340 4182722.070
   AREAVERT RIVERISLAND2 646944.690 4182742.360 647034.630 4182824.620
   AREAVERT RIVERISLAND2 647032.990 4182827.910 647039.570 4182833.940
   AREAVERT RIVERISLAND2 647060.400 4182812.010 647080.700 4182828.460
   AREAVERT RIVERISLAND2 647083.990 4182833.940
   SRCPARAM STCK1        0.0000753     4.520   389.100   5.10000     0.550
   URBANSRC ALL

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Scenario 1"
   EMISFACT STCK1        HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED River_Island_Station_2040_Idling.rou
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Modesto_23258\Modesto_12-16.SFC
   PROFFILE ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Modesto_23258\Modesto_12-16.PFL
   SURFDATA 23258 2012
   UAIRDATA 23230 2012 OAKLAND/WSO_AP
```

```
   PROFBASE 30.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   PLOTFILE ANNUAL ALL RIVER_ISLAND_STATION_2040_IDLING.AD\River_Islands_Station_idling_2040_annual_DPM.PLT 31
   FILEFORM EXP
   SUMMFILE River_Island_Station_2040_Idling.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            3 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 SO W320      43       APPARM: Input Parameter May Be Out-of-Range for Parameter            QS
 SO W320      46       APPARM: Input Parameter May Be Out-of-Range for Parameter            QS
 ME W186     109       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50

 ***********************************
 *** SETUP Finishes Successfully ***
 ***********************************
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

***   MODEL SETUP OPTIONS SUMMARY   ***

- -

**Model Is Setup For Calculation of Average CONCentration Values.

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for   3 Source(s),
  for Total of   1 Urban Area(s):
  Urban Population =   538000.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Full Conversion Assumed for NO2.
        6. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:
        FASTAREA - Use hybrid approach to optimize AREA sources;
                   also applies to LINE sources (formerly TOXICS option)
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 3 Source(s);   1 Source Group(s); and   20 Receptor(s)

               with: 1 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 0 VOLUME source(s)
                and: 2 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with   0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

         NOTE: Option for EXPonential format used in formatted output result files (FILEFORM Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   30.00 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   3.5 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: River_Island_Station_2040_Idling.err
**File for Summary of Results: River_Island_Station_2040_Idling.sum

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
STCK1	0	0.75300E-04	647096.4	4182737.0	5.7	4.52	389.10	5.10	0.55	NO	YES	NO	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
RIVERISLAND1	0	0.00000E+00	647046.7	4182703.4	4.6	3.00	4	0.70	YES	
RIVERISLAND2	0	0.00000E+00	647063.7	4182854.8	3.9	3.00	59	0.70	YES	

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	RIVERISLAND1, RIVERISLAND2, STCK1 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	538000.	RIVERISLAND1, RIVERISLAND2, STCK1 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = STCK1 ; SOURCE TYPE = POINT :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(648794.0, 4183823.0,	9.1,	9.1,	0.0);	(648814.5, 4183840.5,	10.0,	10.0,	0.0);
(648821.4, 4183860.4,	10.2,	10.2,	0.0);	(648751.3, 4183835.2,	7.0,	7.0,	0.0);
(648764.2, 4183852.0,	7.3,	7.3,	0.0);	(648774.2, 4183868.0,	7.9,	7.9,	0.0);
(648789.4, 4183882.5,	8.1,	8.1,	0.0);	(648791.7, 4183768.2,	8.5,	8.5,	0.0);
(648813.0, 4183772.0,	8.9,	8.9,	0.0);	(648829.8, 4183781.9,	9.1,	9.1,	0.0);
(648711.7, 4183866.5,	7.0,	7.0,	0.0);	(648682.7, 4183885.5,	6.0,	6.0,	0.0);
(648664.4, 4183896.9,	5.9,	5.9,	0.0);	(646872.0, 4181424.0,	5.2,	5.2,	0.0);
(646656.0, 4181170.0,	5.4,	5.4,	0.0);	(646748.0, 4180959.0,	7.5,	7.5,	0.0);
(647103.0, 4183994.0,	4.3,	4.3,	0.0);	(647199.5, 4183999.9,	3.9,	3.9,	0.0);
(647273.9, 4183999.9,	3.9,	3.9,	0.0);	(647356.4, 4184011.9,	3.7,	3.7,	0.0);

```
                                         *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                           (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1

               NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.


                                   *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                                          (METERS/SEC)

                                                1.54,   3.09,   5.14,   8.23,  10.80,
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Modesto_23258\Modesto_12-16 Met Version: 16216
Profile file: ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Modesto_23258\Modesto_12-16
Surface format: FREE
Profile format: FREE
Surface station no.: 23258 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2012 Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
12	01	01	1	01	-11.0	0.189	-9.000	-9.000	-999.	197.	56.0	0.06	0.91	1.00	2.86	91.	10.0	276.4	2.0
12	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.08	0.91	1.00	0.00	0.	10.0	276.4	2.0
12	01	01	1	03	-0.9	0.036	-9.000	-9.000	-999.	16.	4.7	0.10	0.91	1.00	0.83	158.	10.0	276.4	2.0
12	01	01	1	04	-0.7	0.032	-9.000	-9.000	-999.	14.	4.2	0.10	0.91	1.00	0.74	164.	10.0	276.4	2.0
12	01	01	1	05	-0.7	0.031	-9.000	-9.000	-999.	13.	3.8	0.06	0.91	1.00	0.79	94.	10.0	275.9	2.0
12	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.08	0.91	1.00	0.00	0.	10.0	275.4	2.0
12	01	01	1	07	-0.8	0.032	-9.000	-9.000	-999.	14.	4.0	0.06	0.91	1.00	0.84	132.	10.0	274.9	2.0
12	01	01	1	08	-1.7	0.048	-9.000	-9.000	-999.	25.	5.9	0.06	0.91	0.71	1.23	101.	10.0	275.9	2.0
12	01	01	1	09	-2.3	0.098	-9.000	-9.000	-999.	73.	37.1	0.06	0.91	0.38	1.59	104.	10.0	276.4	2.0
12	01	01	1	10	7.1	0.164	0.163	0.012	22.	159.	-56.6	0.06	0.91	0.27	1.94	102.	10.0	277.0	2.0
12	01	01	1	11	15.6	0.130	0.257	0.012	39.	113.	-12.8	0.06	0.91	0.23	1.37	121.	10.0	278.1	2.0
12	01	01	1	12	20.6	0.140	0.356	0.012	79.	126.	-12.2	0.06	0.91	0.21	1.47	135.	10.0	280.4	2.0
12	01	01	1	13	21.3	0.142	0.397	0.012	106.	129.	-12.3	0.06	0.91	0.21	1.48	94.	10.0	281.4	2.0
12	01	01	1	14	85.2	0.209	0.863	0.010	273.	230.	-9.7	0.09	0.91	0.22	1.91	89.	10.0	284.9	2.0
12	01	01	1	15	55.7	0.161	0.821	0.015	361.	156.	-6.8	0.09	0.91	0.26	1.40	67.	10.0	286.4	2.0
12	01	01	1	16	13.1	0.094	0.516	0.016	379.	70.	-5.8	0.06	0.91	0.35	0.89	99.	10.0	287.0	2.0
12	01	01	1	17	-2.7	0.054	-9.000	-9.000	-999.	30.	5.3	0.10	0.91	0.60	1.25	161.	10.0	283.8	2.0
12	01	01	1	18	-4.6	0.068	-9.000	-9.000	-999.	43.	6.4	0.10	0.91	1.00	1.59	261.	10.0	282.0	2.0
12	01	01	1	19	-3.1	0.054	-9.000	-9.000	-999.	31.	4.8	0.06	0.91	1.00	1.42	291.	10.0	280.4	2.0
12	01	01	1	20	-0.9	0.030	-9.000	-9.000	-999.	12.	2.7	0.07	0.91	1.00	0.75	306.	10.0	278.8	2.0
12	01	01	1	21	-1.1	0.038	-9.000	-9.000	-999.	18.	4.7	0.06	0.91	1.00	0.99	94.	10.0	276.4	2.0
12	01	01	1	22	-2.2	0.054	-9.000	-9.000	-999.	30.	6.7	0.06	0.91	1.00	1.40	106.	10.0	275.4	2.0
12	01	01	1	23	-2.4	0.057	-9.000	-9.000	-999.	33.	7.0	0.06	0.91	1.00	1.48	124.	10.0	275.4	2.0
12	01	01	1	24	-6.5	0.080	-9.000	-9.000	-999.	54.	7.1	0.06	0.91	1.00	2.06	111.	10.0	275.9	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	10.0	1	91.	2.86	276.5	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): RIVERISLAND1, RIVERISLAND2, STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
648793.96	4183823.03	0.00001	648814.54	4183840.55	0.00001
648821.39	4183860.36	0.00001	648751.30	4183835.22	0.00001
648764.25	4183851.98	0.00001	648774.15	4183867.98	0.00001
648789.39	4183882.46	0.00001	648791.68	4183768.17	0.00001
648813.01	4183771.98	0.00001	648829.77	4183781.88	0.00001
648711.68	4183866.46	0.00001	648682.72	4183885.51	0.00001
648664.44	4183896.93	0.00001	646872.00	4181424.00	0.00002
646656.00	4181170.00	0.00001	646748.00	4180959.00	0.00001
647103.00	4183994.00	0.00001	647199.46	4183999.86	0.00001
647273.92	4183999.86	0.00001	647356.42	4184011.93	0.00001

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)				OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00002 AT	646872.00,	4181424.00,	5.21,	5.21,	0.00)	DC
	2ND HIGHEST VALUE IS	0.00001 AT	647103.00,	4183994.00,	4.28,	4.28,	0.00)	DC
	3RD HIGHEST VALUE IS	0.00001 AT	647199.46,	4183999.86,	3.87,	3.87,	0.00)	DC
	4TH HIGHEST VALUE IS	0.00001 AT	647273.92,	4183999.86,	3.92,	3.92,	0.00)	DC
	5TH HIGHEST VALUE IS	0.00001 AT	647356.42,	4184011.93,	3.72,	3.72,	0.00)	DC
	6TH HIGHEST VALUE IS	0.00001 AT	646656.00,	4181170.00,	5.38,	5.38,	0.00)	DC
	7TH HIGHEST VALUE IS	0.00001 AT	646748.00,	4180959.00,	7.51,	7.51,	0.00)	DC
	8TH HIGHEST VALUE IS	0.00001 AT	648791.68,	4183768.17,	8.48,	8.48,	0.00)	DC
	9TH HIGHEST VALUE IS	0.00001 AT	648813.01,	4183771.98,	8.88,	8.88,	0.00)	DC
	10TH HIGHEST VALUE IS	0.00001 AT	648751.30,	4183835.22,	7.02,	7.02,	0.00)	DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   3 Warning Message(s)
A Total of   1738 Informational Message(s)

A Total of   43848 Hours Were Processed

A Total of   1156 Calm Hours Identified

A Total of   582 Missing Hours Identified (1.33 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
SO W320   43   APPARM: Input Parameter May Be Out-of-Range for Parameter   QS
SO W320   46   APPARM: Input Parameter May Be Out-of-Range for Parameter   QS
ME W186   109   MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used   0.50

   ****
   *** AERMOD Finishes Successfully ***
   ****

```
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE Valley Link: Southfront Road Station, 2040 Annual Idling DPM
   TITLETWO Traditional Diesel
   MODELOPT CONC FASTAREA
   AVERTIME ANNUAL
   URBANOPT 4656000 Other_Bay_Area
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL Southfront_Road_Station_2040_Idling.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION SFRONTRD_STR AREAPOLY   611640.117  4173828.842      160.410
** DESCRSRC Southfront Road Station: Platform and Pedestrian Overcrossing
   LOCATION STCK1        POINT      611691.480  4173859.580      160.530
** Source Parameters **
   SRCPARAM SFRONTRD_STR       0.0     3.000         8
   AREAVERT SFRONTRD_STR 611640.117 4173828.842 611746.805 4173887.416
   AREAVERT SFRONTRD_STR 611750.989 4173879.048 611671.844 4173836.163
   AREAVERT SFRONTRD_STR 611705.664 4173794.674 611702.526 4173791.536
   AREAVERT SFRONTRD_STR 611668.706 4173832.677 611644.649 4173821.171
   SRCPARAM STCK1         0.000158     4.520   389.100   5.10000     0.550
   URBANSRC ALL

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Scenario 1"
   EMISFACT STCK1        HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT STCK1        HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED Southfront_Road_Station_2040_Idling.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE ..\..\..\..\metdata\AQMD\724927_Livermore\724927.SFC
   PROFFILE ..\..\..\..\metdata\AQMD\724927_Livermore\724927.PFL
   SURFDATA 23285 2009
   UAIRDATA 23230 2009 OAKLAND/WSO_AP
   PROFBASE 137.2 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   PLOTFILE ANNUAL ALL SOUTHFRONT_ROAD_STATION_2040_IDLING.AD\Southfront_Road_Station_idling_2040_annual_DPM.PLT 31
   SUMMFILE Southfront_Road_Station_2040_Idling.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 SO W320      41       APPARM: Input Parameter May Be Out-of-Range for Parameter           QS

 ***********************************
```

```
*** SETUP Finishes Successfully ***
**********************************
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

**Model Is Setup For Calculation of Average CONCentration Values.

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for   2 Source(s),
  for Total of   1 Urban Area(s):
  Urban Population =   4656000.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Full Conversion Assumed for NO2.
        6. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:
        FASTAREA - Use hybrid approach to optimize AREA sources;
                   also applies to LINE sources (formerly TOXICS option)
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 2 Source(s);   1 Source Group(s); and   317 Receptor(s)

               with: 1 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 0 VOLUME source(s)
                and: 1 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with   0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   137.20 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   3.5 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: Southfront_Road_Station_2040_Idling.err
**File for Summary of Results: Southfront_Road_Station_2040_Idling.sum

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
STCK1	0	0.15800E-03	611691.5	4173859.6	160.5	4.52	389.10	5.10	0.55	NO	YES	NO	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
SFRONTRD_STR	0	0.00000E+00	611640.1	4173828.8	160.4	3.00	8	0.00	YES	

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	SFRONTRD_STR, STCK1 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	4656000.	SFRONTRD_STR, STCK1 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = STCK1 ; SOURCE TYPE = POINT :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(612230.0,	4174246.2,	162.1,	162.1,	0.0);	(612206.8,	4174226.3,	162.4,	162.4,	0.0);
(612153.2,	4174212.6,	161.5,	161.5,	0.0);	(612148.0,	4174192.6,	161.6,	161.6,	0.0);
(612132.2,	4174184.2,	161.6,	161.6,	0.0);	(612112.2,	4174172.6,	161.2,	161.2,	0.0);
(612078.6,	4174151.6,	161.4,	161.4,	0.0);	(612053.3,	4174136.9,	161.4,	161.4,	0.0);
(612031.2,	4174124.3,	160.9,	160.9,	0.0);	(612011.3,	4174114.8,	160.6,	160.6,	0.0);
(611974.5,	4174094.8,	160.9,	160.9,	0.0);	(611952.4,	4174085.4,	161.1,	161.1,	0.0);
(611929.2,	4174071.7,	160.4,	160.4,	0.0);	(611892.5,	4174060.1,	160.7,	160.7,	0.0);
(611867.2,	4174047.5,	160.7,	160.7,	0.0);	(611842.0,	4174034.9,	160.6,	160.6,	0.0);
(611815.7,	4174025.4,	160.4,	160.4,	0.0);	(611792.6,	4174016.0,	160.4,	160.4,	0.0);
(611769.4,	4174008.6,	160.1,	160.1,	0.0);	(611744.2,	4174001.3,	159.8,	159.8,	0.0);
(611435.1,	4173766.8,	159.2,	159.2,	0.0);	(611478.4,	4173791.8,	158.9,	158.9,	0.0);
(611500.0,	4173804.3,	159.1,	159.1,	0.0);	(611521.7,	4173816.8,	159.0,	159.0,	0.0);
(611543.3,	4173829.3,	159.2,	159.2,	0.0);	(611565.0,	4173841.8,	159.4,	159.4,	0.0);
(611586.6,	4173854.3,	159.4,	159.4,	0.0);	(611608.3,	4173866.8,	159.5,	159.5,	0.0);
(611629.9,	4173879.3,	159.4,	159.4,	0.0);	(611651.6,	4173891.8,	159.6,	159.6,	0.0);
(611759.0,	4174034.8,	159.8,	159.8,	0.0);	(611782.0,	4174044.5,	159.9,	159.9,	0.0);
(611805.0,	4174054.3,	160.1,	160.1,	0.0);	(611828.1,	4174064.1,	160.2,	160.2,	0.0);
(611851.1,	4174073.8,	160.1,	160.1,	0.0);	(611874.1,	4174083.6,	160.3,	160.3,	0.0);
(611897.1,	4174093.4,	160.1,	160.1,	0.0);	(611920.1,	4174103.1,	160.0,	160.0,	0.0);
(611943.1,	4174112.9,	160.7,	160.7,	0.0);	(611966.1,	4174122.7,	160.9,	160.9,	0.0);
(612012.2,	4174142.2,	160.6,	160.6,	0.0);	(612035.2,	4174152.0,	160.8,	160.8,	0.0);
(612058.2,	4174161.8,	161.3,	161.3,	0.0);	(612081.2,	4174171.5,	161.0,	161.0,	0.0);
(611759.0,	4174084.8,	159.8,	159.8,	0.0);	(611782.0,	4174094.5,	160.0,	160.0,	0.0);
(611805.0,	4174104.3,	160.2,	160.2,	0.0);	(611828.1,	4174114.1,	160.3,	160.3,	0.0);
(611851.1,	4174123.8,	160.2,	160.2,	0.0);	(611874.1,	4174133.6,	160.3,	160.3,	0.0);
(611897.1,	4174143.4,	160.2,	160.2,	0.0);	(611920.1,	4174153.1,	159.8,	159.8,	0.0);
(611943.1,	4174162.9,	160.2,	160.2,	0.0);	(611966.1,	4174172.7,	160.8,	160.8,	0.0);
(612012.2,	4174192.2,	160.4,	160.4,	0.0);	(612035.2,	4174202.0,	160.8,	160.8,	0.0);
(612058.2,	4174211.8,	161.1,	161.1,	0.0);	(612081.2,	4174221.5,	160.9,	160.9,	0.0);
(611759.0,	4174119.8,	159.5,	159.5,	0.0);	(611782.0,	4174129.5,	159.4,	159.4,	0.0);
(611805.0,	4174139.3,	159.7,	159.7,	0.0);	(611828.1,	4174149.1,	159.8,	159.8,	0.0);
(611851.1,	4174158.8,	159.7,	159.7,	0.0);	(611874.1,	4174168.6,	159.6,	159.6,	0.0);
(611897.1,	4174178.4,	159.4,	159.4,	0.0);	(611920.1,	4174188.1,	159.7,	159.7,	0.0);
(611943.1,	4174197.9,	160.1,	160.1,	0.0);	(611966.1,	4174207.7,	160.6,	160.6,	0.0);
(612012.2,	4174227.2,	160.3,	160.3,	0.0);	(612035.2,	4174237.0,	160.6,	160.6,	0.0);
(612058.2,	4174246.8,	160.9,	160.9,	0.0);	(612081.2,	4174256.5,	160.6,	160.6,	0.0);
(611759.9,	4174187.3,	159.4,	159.4,	0.0);	(611783.8,	4174194.6,	159.7,	159.7,	0.0);
(611807.7,	4174201.9,	159.8,	159.8,	0.0);	(611831.6,	4174209.2,	159.7,	159.7,	0.0);
(611855.5,	4174216.5,	159.7,	159.7,	0.0);	(611879.5,	4174223.9,	159.9,	159.9,	0.0);
(611903.4,	4174231.2,	160.0,	160.0,	0.0);	(611927.3,	4174238.5,	160.3,	160.3,	0.0);
(611951.2,	4174245.8,	159.8,	159.8,	0.0);	(611975.1,	4174253.1,	159.6,	159.6,	0.0);
(611999.0,	4174260.4,	159.8,	159.8,	0.0);	(612022.9,	4174267.7,	160.0,	160.0,	0.0);
(612046.8,	4174275.0,	160.7,	160.7,	0.0);	(612070.7,	4174282.3,	160.7,	160.7,	0.0);
(612094.6,	4174289.6,	160.2,	160.2,	0.0);	(611760.2,	4174266.5,	159.4,	159.4,	0.0);
(611784.3,	4174272.9,	159.4,	159.4,	0.0);	(611808.4,	4174279.4,	159.5,	159.5,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(611832.6,	4174285.9,	159.7,	159.7,	0.0);	(611856.7,	4174292.3,	159.9,	159.9,	0.0);
(611880.9,	4174298.8,	159.7,	159.7,	0.0);	(611905.0,	4174305.3,	159.7,	159.7,	0.0);
(611929.2,	4174311.8,	160.2,	160.2,	0.0);	(611953.3,	4174318.2,	160.5,	160.5,	0.0);
(611977.5,	4174324.7,	160.6,	160.6,	0.0);	(612001.6,	4174331.2,	160.7,	160.7,	0.0);
(612025.8,	4174337.6,	160.7,	160.7,	0.0);	(612049.9,	4174344.1,	160.7,	160.7,	0.0);
(612074.1,	4174350.6,	161.0,	161.0,	0.0);	(612098.2,	4174357.1,	161.5,	161.5,	0.0);
(612111.0,	4174254.1,	160.9,	160.9,	0.0);	(612135.5,	4174259.5,	161.3,	161.3,	0.0);
(612150.5,	4174252.7,	161.6,	161.6,	0.0);	(612198.1,	4174250.0,	162.3,	162.3,	0.0);
(612231.4,	4174277.9,	162.0,	162.0,	0.0);	(612200.8,	4174280.6,	162.2,	162.2,	0.0);
(612200.1,	4174309.1,	161.8,	161.8,	0.0);	(612147.8,	4174304.4,	161.5,	161.5,	0.0);
(612128.0,	4174292.1,	160.9,	160.9,	0.0);	(612148.4,	4174333.6,	161.3,	161.3,	0.0);
(612149.8,	4174358.8,	161.2,	161.2,	0.0);	(612199.4,	4174368.3,	161.6,	161.6,	0.0);
(612201.5,	4174341.1,	161.9,	161.9,	0.0);	(612229.3,	4174308.5,	161.9,	161.9,	0.0);
(612227.8,	4174341.2,	161.7,	161.7,	0.0);	(612227.8,	4174366.0,	161.6,	161.6,	0.0);
(612199.7,	4174399.0,	161.8,	161.8,	0.0);	(612231.3,	4174395.1,	161.4,	161.4,	0.0);
(611350.0,	4173760.0,	158.7,	158.7,	0.0);	(611375.0,	4173760.0,	158.9,	158.9,	0.0);
(611400.0,	4173760.0,	158.9,	158.9,	0.0);	(611425.0,	4173760.0,	159.2,	159.2,	0.0);
(611350.0,	4173785.0,	158.7,	158.7,	0.0);	(611375.0,	4173785.0,	158.7,	158.7,	0.0);
(611400.0,	4173785.0,	159.0,	159.0,	0.0);	(611425.0,	4173785.0,	159.0,	159.0,	0.0);
(611450.0,	4173785.0,	158.9,	158.9,	0.0);	(611325.0,	4173810.0,	158.4,	158.4,	0.0);
(611350.0,	4173810.0,	158.9,	158.9,	0.0);	(611375.0,	4173810.0,	158.7,	158.7,	0.0);
(611400.0,	4173810.0,	159.4,	159.4,	0.0);	(611425.0,	4173810.0,	159.1,	159.1,	0.0);
(611450.0,	4173810.0,	158.8,	158.8,	0.0);	(611475.0,	4173810.0,	158.8,	158.8,	0.0);
(611500.0,	4173810.0,	159.0,	159.0,	0.0);	(611325.0,	4173835.0,	158.4,	158.4,	0.0);
(611350.0,	4173835.0,	158.9,	158.9,	0.0);	(611375.0,	4173835.0,	158.8,	158.8,	0.0);
(611400.0,	4173835.0,	158.8,	158.8,	0.0);	(611425.0,	4173835.0,	158.8,	158.8,	0.0);
(611450.0,	4173835.0,	158.7,	158.7,	0.0);	(611475.0,	4173835.0,	158.7,	158.7,	0.0);
(611500.0,	4173835.0,	158.9,	158.9,	0.0);	(611525.0,	4173835.0,	159.0,	159.0,	0.0);
(611550.0,	4173835.0,	159.3,	159.3,	0.0);	(611300.0,	4173860.0,	158.3,	158.3,	0.0);
(611325.0,	4173860.0,	158.5,	158.5,	0.0);	(611350.0,	4173860.0,	158.7,	158.7,	0.0);
(611375.0,	4173860.0,	158.5,	158.5,	0.0);	(611400.0,	4173860.0,	159.0,	159.0,	0.0);
(611425.0,	4173860.0,	158.6,	158.6,	0.0);	(611450.0,	4173860.0,	158.5,	158.5,	0.0);
(611475.0,	4173860.0,	159.0,	159.0,	0.0);	(611500.0,	4173860.0,	159.2,	159.2,	0.0);
(611525.0,	4173860.0,	159.2,	159.2,	0.0);	(611550.0,	4173860.0,	159.2,	159.2,	0.0);
(611575.0,	4173860.0,	159.3,	159.3,	0.0);	(611600.0,	4173860.0,	159.5,	159.5,	0.0);
(611275.0,	4173885.0,	157.8,	157.8,	0.0);	(611300.0,	4173885.0,	158.2,	158.2,	0.0);
(611325.0,	4173885.0,	158.2,	158.2,	0.0);	(611350.0,	4173885.0,	158.4,	158.4,	0.0);
(611375.0,	4173885.0,	158.6,	158.6,	0.0);	(611400.0,	4173885.0,	158.6,	158.6,	0.0);
(611425.0,	4173885.0,	158.3,	158.3,	0.0);	(611450.0,	4173885.0,	158.5,	158.5,	0.0);
(611475.0,	4173885.0,	159.2,	159.2,	0.0);	(611500.0,	4173885.0,	159.2,	159.2,	0.0);
(611525.0,	4173885.0,	159.2,	159.2,	0.0);	(611550.0,	4173885.0,	159.4,	159.4,	0.0);
(611575.0,	4173885.0,	159.4,	159.4,	0.0);	(611600.0,	4173885.0,	159.4,	159.4,	0.0);
(611625.0,	4173885.0,	159.4,	159.4,	0.0);	(611650.0,	4173885.0,	159.7,	159.7,	0.0);
(611275.0,	4173910.0,	158.1,	158.1,	0.0);	(611300.0,	4173910.0,	158.3,	158.3,	0.0);
(611325.0,	4173910.0,	158.5,	158.5,	0.0);	(611350.0,	4173910.0,	158.6,	158.6,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	611375.0,	4173910.0,	158.6,	158.6,	0.0);	(611400.0,	4173910.0,	158.3,	158.3,	0.0);
(	611425.0,	4173910.0,	158.3,	158.3,	0.0);	(611450.0,	4173910.0,	158.8,	158.8,	0.0);
(	611475.0,	4173910.0,	159.0,	159.0,	0.0);	(611500.0,	4173910.0,	159.3,	159.3,	0.0);
(	611525.0,	4173910.0,	159.0,	159.0,	0.0);	(611550.0,	4173910.0,	158.9,	158.9,	0.0);
(	611575.0,	4173910.0,	159.2,	159.2,	0.0);	(611600.0,	4173910.0,	159.6,	159.6,	0.0);
(	611625.0,	4173910.0,	159.5,	159.5,	0.0);	(611650.0,	4173910.0,	159.3,	159.3,	0.0);
(	611250.0,	4173935.0,	157.5,	157.5,	0.0);	(611275.0,	4173935.0,	157.8,	157.8,	0.0);
(	611300.0,	4173935.0,	157.9,	157.9,	0.0);	(611325.0,	4173935.0,	158.4,	158.4,	0.0);
(	611350.0,	4173935.0,	158.5,	158.5,	0.0);	(611375.0,	4173935.0,	158.4,	158.4,	0.0);
(	611400.0,	4173935.0,	158.2,	158.2,	0.0);	(611425.0,	4173935.0,	158.3,	158.3,	0.0);
(	611450.0,	4173935.0,	158.9,	158.9,	0.0);	(611475.0,	4173935.0,	159.0,	159.0,	0.0);
(	611500.0,	4173935.0,	159.3,	159.3,	0.0);	(611525.0,	4173935.0,	159.1,	159.1,	0.0);
(	611550.0,	4173935.0,	158.8,	158.8,	0.0);	(611575.0,	4173935.0,	158.8,	158.8,	0.0);
(	611600.0,	4173935.0,	159.0,	159.0,	0.0);	(611625.0,	4173935.0,	159.2,	159.2,	0.0);
(	611650.0,	4173935.0,	159.2,	159.2,	0.0);	(611250.0,	4173960.0,	157.6,	157.6,	0.0);
(	611275.0,	4173960.0,	158.1,	158.1,	0.0);	(611300.0,	4173960.0,	157.8,	157.8,	0.0);
(	611325.0,	4173960.0,	158.0,	158.0,	0.0);	(611350.0,	4173960.0,	158.2,	158.2,	0.0);
(	611375.0,	4173960.0,	158.2,	158.2,	0.0);	(611400.0,	4173960.0,	158.1,	158.1,	0.0);
(	611425.0,	4173960.0,	158.5,	158.5,	0.0);	(611450.0,	4173960.0,	158.6,	158.6,	0.0);
(	611475.0,	4173960.0,	158.7,	158.7,	0.0);	(611500.0,	4173960.0,	158.5,	158.5,	0.0);
(	611525.0,	4173960.0,	158.7,	158.7,	0.0);	(611550.0,	4173960.0,	158.6,	158.6,	0.0);
(	611575.0,	4173960.0,	159.0,	159.0,	0.0);	(611600.0,	4173960.0,	159.0,	159.0,	0.0);
(	611625.0,	4173960.0,	159.2,	159.2,	0.0);	(611650.0,	4173960.0,	159.1,	159.1,	0.0);
(	611250.0,	4173985.0,	157.2,	157.2,	0.0);	(611275.0,	4173985.0,	157.3,	157.3,	0.0);
(	611300.0,	4173985.0,	157.8,	157.8,	0.0);	(611325.0,	4173985.0,	157.8,	157.8,	0.0);
(	611350.0,	4173985.0,	157.6,	157.6,	0.0);	(611375.0,	4173985.0,	158.4,	158.4,	0.0);
(	611400.0,	4173985.0,	158.2,	158.2,	0.0);	(611425.0,	4173985.0,	158.2,	158.2,	0.0);
(	611450.0,	4173985.0,	158.5,	158.5,	0.0);	(611475.0,	4173985.0,	158.6,	158.6,	0.0);
(	611500.0,	4173985.0,	158.2,	158.2,	0.0);	(611525.0,	4173985.0,	158.3,	158.3,	0.0);
(	611550.0,	4173985.0,	158.5,	158.5,	0.0);	(611575.0,	4173985.0,	158.7,	158.7,	0.0);
(	611600.0,	4173985.0,	159.2,	159.2,	0.0);	(611625.0,	4173985.0,	159.3,	159.3,	0.0);
(	611650.0,	4173985.0,	159.4,	159.4,	0.0);	(611300.0,	4174010.0,	157.3,	157.3,	0.0);
(	611325.0,	4174010.0,	157.4,	157.4,	0.0);	(611350.0,	4174010.0,	157.8,	157.8,	0.0);
(	611375.0,	4174010.0,	158.0,	158.0,	0.0);	(611400.0,	4174010.0,	158.3,	158.3,	0.0);
(	611425.0,	4174010.0,	158.4,	158.4,	0.0);	(611450.0,	4174010.0,	158.5,	158.5,	0.0);
(	611475.0,	4174010.0,	158.2,	158.2,	0.0);	(611500.0,	4174010.0,	158.1,	158.1,	0.0);
(	611525.0,	4174010.0,	158.5,	158.5,	0.0);	(611550.0,	4174010.0,	158.5,	158.5,	0.0);
(	611575.0,	4174010.0,	158.6,	158.6,	0.0);	(611600.0,	4174010.0,	158.9,	158.9,	0.0);
(	611625.0,	4174010.0,	159.3,	159.3,	0.0);	(611650.0,	4174010.0,	159.0,	159.0,	0.0);
(	611350.0,	4174035.0,	157.5,	157.5,	0.0);	(611375.0,	4174035.0,	157.6,	157.6,	0.0);
(	611400.0,	4174035.0,	157.9,	157.9,	0.0);	(611425.0,	4174035.0,	158.3,	158.3,	0.0);
(	611450.0,	4174035.0,	158.2,	158.2,	0.0);	(611475.0,	4174035.0,	157.9,	157.9,	0.0);
(	611500.0,	4174035.0,	158.3,	158.3,	0.0);	(611525.0,	4174035.0,	158.3,	158.3,	0.0);
(	611550.0,	4174035.0,	158.4,	158.4,	0.0);	(611575.0,	4174035.0,	158.8,	158.8,	0.0);
(	611600.0,	4174035.0,	158.7,	158.7,	0.0);	(611625.0,	4174035.0,	158.8,	158.8,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	611650.0,	4174035.0,	159.1,	159.1,	0.0);	(611375.0,	4174060.0,	157.5,	157.5,	0.0);
(	611400.0,	4174060.0,	157.9,	157.9,	0.0);	(611425.0,	4174060.0,	157.9,	157.9,	0.0);
(	611450.0,	4174060.0,	158.1,	158.1,	0.0);	(611475.0,	4174060.0,	158.1,	158.1,	0.0);
(	611500.0,	4174060.0,	158.1,	158.1,	0.0);	(611525.0,	4174060.0,	158.4,	158.4,	0.0);
(	611550.0,	4174060.0,	158.7,	158.7,	0.0);	(611575.0,	4174060.0,	158.4,	158.4,	0.0);
(	611600.0,	4174060.0,	158.6,	158.6,	0.0);	(611625.0,	4174060.0,	159.0,	159.0,	0.0);
(	611650.0,	4174060.0,	159.1,	159.1,	0.0);	(611400.0,	4174085.0,	157.6,	157.6,	0.0);
(	611425.0,	4174085.0,	157.8,	157.8,	0.0);	(611450.0,	4174085.0,	158.0,	158.0,	0.0);
(	611475.0,	4174085.0,	158.3,	158.3,	0.0);	(611500.0,	4174085.0,	158.4,	158.4,	0.0);
(	611525.0,	4174085.0,	158.4,	158.4,	0.0);	(611550.0,	4174085.0,	158.2,	158.2,	0.0);
(	611575.0,	4174085.0,	158.7,	158.7,	0.0);	(611600.0,	4174085.0,	158.9,	158.9,	0.0);
(	611625.0,	4174085.0,	159.0,	159.0,	0.0);	(611650.0,	4174085.0,	158.9,	158.9,	0.0);
(	611425.0,	4174110.0,	157.5,	157.5,	0.0);	(611450.0,	4174110.0,	158.2,	158.2,	0.0);
(	611475.0,	4174110.0,	158.1,	158.1,	0.0);	(611500.0,	4174110.0,	158.2,	158.2,	0.0);
(	611525.0,	4174110.0,	158.1,	158.1,	0.0);	(611550.0,	4174110.0,	158.2,	158.2,	0.0);
(	611575.0,	4174110.0,	158.8,	158.8,	0.0);	(611600.0,	4174110.0,	158.9,	158.9,	0.0);
(	611625.0,	4174110.0,	158.9,	158.9,	0.0);	(611650.0,	4174110.0,	158.8,	158.8,	0.0);
(	611450.0,	4174135.0,	157.7,	157.7,	0.0);	(611475.0,	4174135.0,	157.9,	157.9,	0.0);
(	611500.0,	4174135.0,	158.0,	158.0,	0.0);	(611525.0,	4174135.0,	158.5,	158.5,	0.0);
(	611550.0,	4174135.0,	158.4,	158.4,	0.0);	(611575.0,	4174135.0,	158.6,	158.6,	0.0);
(	611600.0,	4174135.0,	158.9,	158.9,	0.0);	(611625.0,	4174135.0,	159.0,	159.0,	0.0);
(	611650.0,	4174135.0,	158.7,	158.7,	0.0);	(612265.0,	4174073.0,	162.2,	162.2,	0.0);
(	612223.0,	4173992.0,	162.2,	162.2,	0.0);	(612274.0,	4173934.0,	162.6,	162.6,	0.0);
(	612308.0,	4173887.0,	163.0,	163.0,	0.0);					

```
                                              *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                               (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1

               NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.


                                    *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                                            (METERS/SEC)

                                                   1.54,   3.09,   5.14,   8.23,  10.80,
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\..\..\..\metdata\AQMD\724927_Livermore\724927.SFC Met Version: 14134
Profile file: ..\..\..\..\metdata\AQMD\724927_Livermore\724927.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23285 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2009 Year: 2009

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
09	01	01	1	01	-12.6	0.221	-9.000	-9.000	-999.	250.	77.5	0.11	0.90	1.00	2.86	51.	10.0	279.2	2.0
09	01	01	1	02	-23.5	0.413	-9.000	-9.000	-999.	637.	269.8	0.11	0.90	1.00	4.86	48.	10.0	279.2	2.0
09	01	01	1	03	-11.1	0.195	-9.000	-9.000	-999.	254.	59.8	0.07	0.90	1.00	2.86	94.	10.0	278.8	2.0
09	01	01	1	04	-9.5	0.166	-9.000	-9.000	-999.	164.	43.7	0.11	0.90	1.00	2.36	53.	10.0	278.1	2.0
09	01	01	1	05	-11.1	0.195	-9.000	-9.000	-999.	206.	59.6	0.07	0.90	1.00	2.86	63.	10.0	278.1	2.0
09	01	01	1	06	-8.2	0.143	-9.000	-9.000	-999.	131.	32.3	0.07	0.90	1.00	2.36	72.	10.0	278.1	2.0
09	01	01	1	07	-8.2	0.143	-9.000	-9.000	-999.	130.	32.3	0.07	0.90	1.00	2.36	75.	10.0	278.1	2.0
09	01	01	1	08	-4.1	0.078	-9.000	-9.000	-999.	53.	10.3	0.11	0.90	0.75	1.76	13.	10.0	277.5	2.0
09	01	01	1	09	-6.3	0.246	-9.000	-9.000	-999.	292.	211.6	0.12	0.90	0.40	2.86	347.	10.0	278.1	2.0
09	01	01	1	10	6.6	0.303	0.261	0.016	96.	401.	-378.3	0.11	0.90	0.27	3.36	51.	10.0	278.8	2.0
09	01	01	1	11	15.4	0.317	0.422	0.017	176.	429.	-186.8	0.07	0.90	0.23	3.86	94.	10.0	279.9	2.0
09	01	01	1	12	47.5	0.448	0.742	0.017	309.	720.	-170.5	0.11	0.90	0.22	4.86	56.	10.0	280.9	2.0
09	01	01	1	13	49.0	0.405	0.820	0.014	403.	621.	-122.0	0.07	0.90	0.21	4.86	63.	10.0	281.4	2.0
09	01	01	1	14	42.7	0.405	0.809	0.014	444.	619.	-139.5	0.11	0.90	0.22	4.36	59.	10.0	282.0	2.0
09	01	01	1	15	60.8	0.372	0.922	0.014	463.	545.	-75.6	0.07	0.90	0.25	4.36	72.	10.0	281.4	2.0
09	01	01	1	16	14.1	0.309	0.569	0.016	467.	414.	-187.5	0.11	0.90	0.34	3.36	54.	10.0	282.0	2.0
09	01	01	1	17	-30.4	0.311	-9.000	-9.000	-999.	417.	89.1	0.07	0.90	0.58	4.36	61.	10.0	280.4	2.0
09	01	01	1	18	-27.0	0.239	-9.000	-9.000	-999.	282.	45.2	0.11	0.90	1.00	3.36	47.	10.0	279.9	2.0
09	01	01	1	19	-14.9	0.131	-9.000	-9.000	-999.	120.	13.7	0.07	0.90	1.00	2.86	64.	10.0	279.2	2.0
09	01	01	1	20	-5.8	0.078	-9.000	-9.000	-999.	53.	7.3	0.11	0.90	1.00	1.76	47.	10.0	278.8	2.0
09	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	0.90	1.00	0.00	0.	10.0	277.5	2.0
09	01	01	1	22	-4.9	0.070	-9.000	-9.000	-999.	44.	6.2	0.07	0.90	1.00	1.76	82.	10.0	276.4	2.0
09	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	0.90	1.00	0.00	0.	10.0	277.0	2.0
09	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	0.90	1.00	0.00	0.	10.0	277.0	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
09	01	01	01	10.0	1	51.	2.86	279.3	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): SFRONTRD_STR, STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
612229.96	4174246.24	0.00015	612206.83	4174226.27	0.00016
612153.21	4174212.60	0.00018	612147.95	4174192.62	0.00019
612132.18	4174184.21	0.00020	612112.20	4174172.64	0.00022
612078.55	4174151.61	0.00025	612053.32	4174136.89	0.00027
612031.24	4174124.28	0.00030	612011.26	4174114.81	0.00032
611974.46	4174094.84	0.00037	611952.38	4174085.37	0.00040
611929.25	4174071.71	0.00045	611892.45	4174060.14	0.00051
611867.22	4174047.52	0.00058	611841.98	4174034.91	0.00065
611815.70	4174025.44	0.00072	611792.56	4174015.98	0.00079
611769.43	4174008.62	0.00083	611744.20	4174001.26	0.00085
611435.08	4173766.79	0.00055	611478.38	4173791.79	0.00064
611500.03	4173804.29	0.00069	611521.68	4173816.79	0.00075
611543.33	4173829.29	0.00083	611564.98	4173841.79	0.00091
611586.63	4173854.29	0.00100	611608.29	4173866.79	0.00107
611629.94	4173879.29	0.00112	611651.59	4173891.79	0.00122
611759.01	4174034.77	0.00065	611782.03	4174044.54	0.00063
611805.04	4174054.30	0.00059	611828.05	4174064.07	0.00055
611851.06	4174073.84	0.00051	611874.08	4174083.61	0.00047
611897.09	4174093.38	0.00043	611920.10	4174103.15	0.00039
611943.11	4174112.91	0.00037	611966.13	4174122.68	0.00034
612012.15	4174142.22	0.00029	612035.16	4174151.99	0.00027
612058.18	4174161.76	0.00025	612081.19	4174171.52	0.00023
611759.01	4174084.77	0.00046	611782.03	4174094.54	0.00045
611805.04	4174104.30	0.00044	611828.05	4174114.07	0.00042
611851.06	4174123.84	0.00039	611874.08	4174133.61	0.00037
611897.09	4174143.38	0.00034	611920.10	4174153.15	0.00032
611943.11	4174162.91	0.00030	611966.13	4174172.68	0.00028
612012.15	4174192.22	0.00025	612035.16	4174201.99	0.00023
612058.18	4174211.76	0.00022	612081.19	4174221.52	0.00020
611759.01	4174119.77	0.00037	611782.03	4174129.54	0.00036
611805.04	4174139.30	0.00036	611828.05	4174149.07	0.00034
611851.06	4174158.84	0.00033	611874.08	4174168.61	0.00031
611897.09	4174178.38	0.00029	611920.10	4174188.15	0.00028
611943.11	4174197.91	0.00026	611966.13	4174207.68	0.00025
612012.15	4174227.22	0.00022	612035.16	4174236.99	0.00021
612058.18	4174246.76	0.00020	612081.19	4174256.52	0.00019
611759.91	4174187.31	0.00026	611783.82	4174194.62	0.00026
611807.72	4174201.93	0.00026	611831.63	4174209.24	0.00026
611855.54	4174216.55	0.00026	611879.45	4174223.86	0.00025
611903.35	4174231.17	0.00024	611927.26	4174238.47	0.00023

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): SFRONTRD_STR, STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
611951.17	4174245.78	0.00022	611975.08	4174253.09	0.00021
611998.98	4174260.40	0.00020	612022.89	4174267.71	0.00019
612046.80	4174275.02	0.00018	612070.71	4174282.33	0.00018
612094.61	4174289.64	0.00017	611760.15	4174266.47	0.00018
611784.30	4174272.94	0.00019	611808.44	4174279.41	0.00019
611832.59	4174285.88	0.00019	611856.74	4174292.35	0.00019
611880.89	4174298.82	0.00019	611905.04	4174305.29	0.00018
611929.19	4174311.76	0.00018	611953.33	4174318.23	0.00018
611977.48	4174324.70	0.00017	612001.63	4174331.18	0.00016
612025.78	4174337.65	0.00016	612049.93	4174344.12	0.00015
612074.07	4174350.59	0.00015	612098.22	4174357.06	0.00014
612111.04	4174254.09	0.00018	612135.51	4174259.53	0.00017
612150.47	4174252.73	0.00017	612198.05	4174250.01	0.00016
612231.36	4174277.88	0.00014	612200.77	4174280.60	0.00015
612200.09	4174309.15	0.00014	612147.75	4174304.39	0.00015
612128.04	4174292.15	0.00016	612148.43	4174333.62	0.00014
612149.79	4174358.77	0.00013	612199.41	4174368.29	0.00012
612201.45	4174341.10	0.00013	612229.32	4174308.47	0.00013
612227.77	4174341.21	0.00013	612227.77	4174366.05	0.00012
612199.73	4174399.05	0.00011	612231.31	4174395.15	0.00011
611350.00	4173760.00	0.00040	611375.00	4173760.00	0.00044
611400.00	4173760.00	0.00048	611425.00	4173760.00	0.00054
611350.00	4173785.00	0.00038	611375.00	4173785.00	0.00041
611400.00	4173785.00	0.00046	611425.00	4173785.00	0.00051
611450.00	4173785.00	0.00057	611325.00	4173810.00	0.00031
611350.00	4173810.00	0.00035	611375.00	4173810.00	0.00038
611400.00	4173810.00	0.00043	611425.00	4173810.00	0.00047
611450.00	4173810.00	0.00052	611475.00	4173810.00	0.00059
611500.00	4173810.00	0.00068	611325.00	4173835.00	0.00028
611350.00	4173835.00	0.00031	611375.00	4173835.00	0.00033
611400.00	4173835.00	0.00037	611425.00	4173835.00	0.00041
611450.00	4173835.00	0.00045	611475.00	4173835.00	0.00051
611500.00	4173835.00	0.00058	611525.00	4173835.00	0.00069
611550.00	4173835.00	0.00084	611300.00	4173860.00	0.00022
611325.00	4173860.00	0.00024	611350.00	4173860.00	0.00026
611375.00	4173860.00	0.00028	611400.00	4173860.00	0.00032
611425.00	4173860.00	0.00034	611450.00	4173860.00	0.00037
611475.00	4173860.00	0.00042	611500.00	4173860.00	0.00047
611525.00	4173860.00	0.00054	611550.00	4173860.00	0.00065
611575.00	4173860.00	0.00081	611600.00	4173860.00	0.00108

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): SFRONTRD_STR, STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
611275.00	4173885.00	0.00018	611300.00	4173885.00	0.00019
611325.00	4173885.00	0.00020	611350.00	4173885.00	0.00022
611375.00	4173885.00	0.00024	611400.00	4173885.00	0.00026
611425.00	4173885.00	0.00028	611450.00	4173885.00	0.00030
611475.00	4173885.00	0.00034	611500.00	4173885.00	0.00037
611525.00	4173885.00	0.00042	611550.00	4173885.00	0.00049
611575.00	4173885.00	0.00059	611600.00	4173885.00	0.00074
611625.00	4173885.00	0.00097	611650.00	4173885.00	0.00131
611275.00	4173910.00	0.00015	611300.00	4173910.00	0.00016
611325.00	4173910.00	0.00018	611350.00	4173910.00	0.00019
611375.00	4173910.00	0.00020	611400.00	4173910.00	0.00021
611425.00	4173910.00	0.00023	611450.00	4173910.00	0.00025
611475.00	4173910.00	0.00027	611500.00	4173910.00	0.00030
611525.00	4173910.00	0.00033	611550.00	4173910.00	0.00038
611575.00	4173910.00	0.00045	611600.00	4173910.00	0.00056
611625.00	4173910.00	0.00071	611650.00	4173910.00	0.00093
611250.00	4173935.00	0.00012	611275.00	4173935.00	0.00013
611300.00	4173935.00	0.00014	611325.00	4173935.00	0.00015
611350.00	4173935.00	0.00016	611375.00	4173935.00	0.00017
611400.00	4173935.00	0.00018	611425.00	4173935.00	0.00019
611450.00	4173935.00	0.00021	611475.00	4173935.00	0.00023
611500.00	4173935.00	0.00025	611525.00	4173935.00	0.00028
611550.00	4173935.00	0.00031	611575.00	4173935.00	0.00036
611600.00	4173935.00	0.00044	611625.00	4173935.00	0.00054
611650.00	4173935.00	0.00069	611250.00	4173960.00	0.00011
611275.00	4173960.00	0.00012	611300.00	4173960.00	0.00012
611325.00	4173960.00	0.00013	611350.00	4173960.00	0.00014
611375.00	4173960.00	0.00015	611400.00	4173960.00	0.00016
611425.00	4173960.00	0.00017	611450.00	4173960.00	0.00018
611475.00	4173960.00	0.00020	611500.00	4173960.00	0.00021
611525.00	4173960.00	0.00024	611550.00	4173960.00	0.00027
611575.00	4173960.00	0.00031	611600.00	4173960.00	0.00036
611625.00	4173960.00	0.00043	611650.00	4173960.00	0.00053
611250.00	4173985.00	0.00010	611275.00	4173985.00	0.00010
611300.00	4173985.00	0.00011	611325.00	4173985.00	0.00012
611350.00	4173985.00	0.00012	611375.00	4173985.00	0.00013
611400.00	4173985.00	0.00014	611425.00	4173985.00	0.00015
611450.00	4173985.00	0.00016	611475.00	4173985.00	0.00018
611500.00	4173985.00	0.00019	611525.00	4173985.00	0.00021
611550.00	4173985.00	0.00023	611575.00	4173985.00	0.00026

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): SFRONTRD_STR, STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
611600.00	4173985.00	0.00031	611625.00	4173985.00	0.00036
611650.00	4173985.00	0.00044	611300.00	4174010.00	0.00010
611325.00	4174010.00	0.00010	611350.00	4174010.00	0.00011
611375.00	4174010.00	0.00012	611400.00	4174010.00	0.00013
611425.00	4174010.00	0.00014	611450.00	4174010.00	0.00015
611475.00	4174010.00	0.00016	611500.00	4174010.00	0.00017
611525.00	4174010.00	0.00019	611550.00	4174010.00	0.00021
611575.00	4174010.00	0.00023	611600.00	4174010.00	0.00026
611625.00	4174010.00	0.00031	611650.00	4174010.00	0.00037
611350.00	4174035.00	0.00010	611375.00	4174035.00	0.00011
611400.00	4174035.00	0.00012	611425.00	4174035.00	0.00013
611450.00	4174035.00	0.00014	611475.00	4174035.00	0.00015
611500.00	4174035.00	0.00016	611525.00	4174035.00	0.00017
611550.00	4174035.00	0.00019	611575.00	4174035.00	0.00021
611600.00	4174035.00	0.00023	611625.00	4174035.00	0.00027
611650.00	4174035.00	0.00032	611375.00	4174060.00	0.00010
611400.00	4174060.00	0.00011	611425.00	4174060.00	0.00012
611450.00	4174060.00	0.00013	611475.00	4174060.00	0.00014
611500.00	4174060.00	0.00015	611525.00	4174060.00	0.00016
611550.00	4174060.00	0.00017	611575.00	4174060.00	0.00019
611600.00	4174060.00	0.00021	611625.00	4174060.00	0.00024
611650.00	4174060.00	0.00028	611400.00	4174085.00	0.00010
611425.00	4174085.00	0.00011	611450.00	4174085.00	0.00012
611475.00	4174085.00	0.00013	611500.00	4174085.00	0.00014
611525.00	4174085.00	0.00015	611550.00	4174085.00	0.00016
611575.00	4174085.00	0.00018	611600.00	4174085.00	0.00019
611625.00	4174085.00	0.00022	611650.00	4174085.00	0.00025
611425.00	4174110.00	0.00010	611450.00	4174110.00	0.00011
611475.00	4174110.00	0.00012	611500.00	4174110.00	0.00013
611525.00	4174110.00	0.00014	611550.00	4174110.00	0.00015
611575.00	4174110.00	0.00016	611600.00	4174110.00	0.00018
611625.00	4174110.00	0.00020	611650.00	4174110.00	0.00023
611450.00	4174135.00	0.00010	611475.00	4174135.00	0.00011
611500.00	4174135.00	0.00012	611525.00	4174135.00	0.00013
611550.00	4174135.00	0.00014	611575.00	4174135.00	0.00015
611600.00	4174135.00	0.00016	611625.00	4174135.00	0.00018
611650.00	4174135.00	0.00020	612265.00	4174073.00	0.00020
612223.00	4173992.00	0.00026	612274.00	4173934.00	0.00026
612308.00	4173887.00	0.00026			

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00131 AT (611650.00, 4173885.00, 159.66, 159.66, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00122 AT (611651.59, 4173891.79, 159.57, 159.57, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00112 AT (611629.94, 4173879.29, 159.41, 159.41, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00108 AT (611600.00, 4173860.00, 159.52, 159.52, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00107 AT (611608.29, 4173866.79, 159.52, 159.52, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00100 AT (611586.63, 4173854.29, 159.44, 159.44, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00097 AT (611625.00, 4173885.00, 159.37, 159.37, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00093 AT (611650.00, 4173910.00, 159.33, 159.33, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00091 AT (611564.98, 4173841.79, 159.37, 159.37, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00085 AT (611744.20, 4174001.26, 159.77, 159.77, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   2 Warning Message(s)
A Total of   15235 Informational Message(s)

A Total of   43872 Hours Were Processed

A Total of   13448 Calm Hours Identified

A Total of   1787 Missing Hours Identified (4.07 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
SO W320   41   APPARM: Input Parameter May Be Out-of-Range for Parameter   QS
MX W481   43873   MAIN: Data Remaining After End of Year. Number of Hours=   48

   ****
   *** AERMOD Finishes Successfully ***
   ****

```
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE Valley Link: West Tracy Station Alt, 2025 Annual Idling DPM
   TITLETWO Traditional Diesel
   MODELOPT CONC FASTAREA
   AVERTIME ANNUAL
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL West_Tracy_Station_Alt_2025_Idling.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION WTRACY_STR   AREAPOLY   630707.485  4174925.807       72.420
** DESCRSRC West Tracy Station Alternative: Platform
   LOCATION STCK1        POINT      630780.080  4174921.870       71.500
** Source Parameters **
   SRCPARAM WTRACY_STR         0.0     3.000        17     0.700
   AREAVERT WTRACY_STR   630707.485 4174925.807 630721.064 4174924.636
   AREAVERT WTRACY_STR   630721.064 4174925.573 630842.811 4174914.803
   AREAVERT WTRACY_STR   630842.811 4174913.867 630856.859 4174912.930
   AREAVERT WTRACY_STR   630855.688 4174899.351 630848.899 4174899.819
   AREAVERT WTRACY_STR   630850.069 4174909.418 630842.343 4174909.652
   AREAVERT WTRACY_STR   630842.109 4174908.950 630720.830 4174919.720
   AREAVERT WTRACY_STR   630720.830 4174920.890 630713.338 4174921.125
   AREAVERT WTRACY_STR   630712.401 4174912.228 630712.401 4174911.525
   AREAVERT WTRACY_STR   630706.314 4174912.462
   SRCPARAM STCK1        0.0000659     4.520   389.100   5.10000     0.550

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Scenario 1"
   EMISFACT WTRACY_STR   HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT WTRACY_STR   HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT WTRACY_STR   HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT WTRACY_STR   HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED West_Tracy_Station_Alt_2025_Idling.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08.SFC
   PROFFILE ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08.PFL
   SURFDATA 99008 2004
   UAIRDATA 66666 2004
   PROFBASE 158.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   PLOTFILE ANNUAL ALL WEST_TRACY_STATION_ALT_2025_IDLING.AD\West_Tracy_Station_Alt_idling_2025_annuan_DPM.PLT 31
   SUMMFILE West_Tracy_Station_Alt_2025_Idling.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
```

```
SO W320      40       APPARM: Input Parameter May Be Out-of-Range for Parameter           QS

**********************************
*** SETUP Finishes Successfully ***
**********************************
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

**Model Is Setup For Calculation of Average CONCentration Values.

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses RURAL Dispersion Only.

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Full Conversion Assumed for NO2.

**Other Options Specified:
        FASTAREA - Use hybrid approach to optimize AREA sources;
                   also applies to LINE sources (formerly TOXICS option)
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 2 Source(s);   1 Source Group(s); and   3 Receptor(s)

               with: 1 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 0 VOLUME source(s)
                and: 1 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with   0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   158.00 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   3.5 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: West_Tracy_Station_Alt_2025_Idling.err
**File for Summary of Results: West_Tracy_Station_Alt_2025_Idling.sum

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
STCK1	0	0.65900E-04	630780.1	4174921.9	71.5	4.52	389.10	5.10	0.55	NO	NO	NO	

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
WTRACY_STR	0	0.00000E+00	630707.5	4174925.8	72.4	3.00	17	0.70	NO	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	WTRACY_STR , STCK1 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = WTRACY_STR ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(631029.0, 4174813.0, 72.7, 72.7, 0.0); (631112.0, 4174813.0, 71.9, 71.9, 0.0);
(631176.0, 4174780.0, 72.1, 72.1, 0.0);

```
                                               *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                                (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1

               NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.


                                     *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                                               (METERS/SEC)

                                                   1.54,   3.09,   5.14,   8.23,  10.80,
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08 Met Version: 16216
Profile file: ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08
Surface format: FREE
Profile format: FREE
Surface station no.: 99008 Upper air station no.: 66666
Name: UNKNOWN Name: UNKNOWN
Year: 2004 Year: 2004

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
04	01	01	1	01	-27.4	0.258	-9.000	-9.000	-999.	315.	55.9	0.09	0.77	1.00	4.10	151.	14.0	282.0	2.0
04	01	01	1	02	-33.4	0.328	-9.000	-9.000	-999.	450.	93.2	0.11	0.77	1.00	4.60	148.	14.0	282.0	2.0
04	01	01	1	03	-42.0	0.432	-9.000	-9.000	-999.	682.	170.4	0.11	0.77	1.00	5.70	144.	14.0	281.8	2.0
04	01	01	1	04	-40.3	0.482	-9.000	-9.000	-999.	801.	245.0	0.11	0.77	1.00	6.20	143.	14.0	281.6	2.0
04	01	01	1	05	-29.6	0.534	-9.000	-9.000	-999.	935.	454.9	0.11	0.77	1.00	6.70	143.	14.0	281.5	2.0
04	01	01	1	06	-32.0	0.576	-9.000	-9.000	-999.	1049.	529.7	0.11	0.77	1.00	7.20	142.	14.0	281.4	2.0
04	01	01	1	07	-34.4	0.619	-9.000	-9.000	-999.	1166.	609.6	0.11	0.77	1.00	7.70	135.	14.0	281.2	2.0
04	01	01	1	08	-36.6	0.661	-9.000	-9.000	-999.	1287.	697.1	0.11	0.77	0.73	8.20	143.	14.0	281.2	2.0
04	01	01	1	09	7.0	0.717	0.238	0.005	68.	1454.	-4692.4	0.11	0.77	0.39	8.70	137.	14.0	281.5	2.0
04	01	01	1	10	43.3	0.655	0.675	0.005	251.	1280.	-574.5	0.09	0.77	0.27	8.20	151.	14.0	282.1	2.0
04	01	01	1	11	70.4	0.549	0.930	0.005	405.	989.	-207.5	0.09	0.77	0.23	6.70	164.	14.0	283.1	2.0
04	01	01	1	12	90.7	0.480	1.217	0.005	703.	804.	-107.8	0.09	0.77	0.21	5.70	166.	14.0	284.1	2.0
04	01	01	1	13	92.9	0.395	1.327	0.005	891.	602.	-58.8	0.08	0.77	0.21	4.60	183.	14.0	284.9	2.0
04	01	01	1	14	81.1	0.321	1.332	0.005	1031.	440.	-36.0	0.08	0.77	0.22	3.60	189.	14.0	285.2	2.0
04	01	01	1	15	47.5	0.160	1.139	0.005	1104.	174.	-7.6	0.08	0.77	0.26	1.50	192.	14.0	284.5	2.0
04	01	01	1	16	19.1	0.076	0.847	0.005	1130.	56.	-2.0	0.12	0.77	0.34	0.50	54.	14.0	283.5	2.0
04	01	01	1	17	-2.6	0.061	-9.000	-9.000	-999.	36.	7.7	0.10	0.77	0.59	1.50	341.	14.0	283.1	2.0
04	01	01	1	18	-3.0	0.061	-9.000	-9.000	-999.	37.	6.9	0.11	0.77	1.00	1.50	307.	14.0	282.2	2.0
04	01	01	1	19	-9.1	0.106	-9.000	-9.000	-999.	83.	11.5	0.10	0.77	1.00	2.60	284.	14.0	281.2	2.0
04	01	01	1	20	-22.1	0.207	-9.000	-9.000	-999.	226.	35.6	0.10	0.77	1.00	3.60	267.	14.0	280.4	2.0
04	01	01	1	21	-28.4	0.265	-9.000	-9.000	-999.	327.	58.1	0.10	0.77	1.00	4.10	260.	14.0	279.8	2.0
04	01	01	1	22	-33.8	0.315	-9.000	-9.000	-999.	424.	82.1	0.10	0.77	1.00	4.60	262.	14.0	279.4	2.0
04	01	01	1	23	-33.9	0.315	-9.000	-9.000	-999.	424.	82.0	0.10	0.77	1.00	4.60	250.	14.0	279.2	2.0
04	01	01	1	24	-28.5	0.264	-9.000	-9.000	-999.	327.	57.9	0.10	0.77	1.00	4.10	240.	14.0	279.0	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
04	01	01	01	14.0	1	151.	4.10	282.1	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): WTRACY_STR , STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
631029.00	4174813.00	0.00067	631112.00	4174813.00	0.00052
631176.00	4174780.00	0.00037			

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00067	AT (631029.00, 4174813.00, 72.67, 72.67, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00052	AT (631112.00, 4174813.00, 71.86, 71.86, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00037	AT (631176.00, 4174780.00, 72.14, 72.14, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00000	AT (0.00, 0.00, 0.00, 0.00, 0.00)		
	5TH HIGHEST VALUE IS	0.00000	AT (0.00, 0.00, 0.00, 0.00, 0.00)		
	6TH HIGHEST VALUE IS	0.00000	AT (0.00, 0.00, 0.00, 0.00, 0.00)		
	7TH HIGHEST VALUE IS	0.00000	AT (0.00, 0.00, 0.00, 0.00, 0.00)		
	8TH HIGHEST VALUE IS	0.00000	AT (0.00, 0.00, 0.00, 0.00, 0.00)		
	9TH HIGHEST VALUE IS	0.00000	AT (0.00, 0.00, 0.00, 0.00, 0.00)		
	10TH HIGHEST VALUE IS	0.00000	AT (0.00, 0.00, 0.00, 0.00, 0.00)		

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   1 Warning Message(s)
A Total of   375 Informational Message(s)

A Total of   43848 Hours Were Processed

A Total of   375 Calm Hours Identified

A Total of   0 Missing Hours Identified (0.00 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
SO W320   40   APPARM: Input Parameter May Be Out-of-Range for Parameter   QS

   ****
   *** AERMOD Finishes Successfully ***
   ****

```
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE Valley Link: West Tracy Station Alt, 2040 Annual Idling DPM
   TITLETWO Traditional Diesel
   MODELOPT CONC FASTAREA
   AVERTIME ANNUAL
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL West_Tracy_Station_Alt_2040_Idling.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION WTRACY_STR   AREAPOLY   630707.485  4174925.807       72.420
** DESCRSRC West Tracy Station Alternative: Platform
   LOCATION STCK1        POINT      630780.080  4174921.870       71.500
** Source Parameters **
   SRCPARAM WTRACY_STR         0.0     3.000        17     0.700
   AREAVERT WTRACY_STR   630707.485 4174925.807 630721.064 4174924.636
   AREAVERT WTRACY_STR   630721.064 4174925.573 630842.811 4174914.803
   AREAVERT WTRACY_STR   630842.811 4174913.867 630856.859 4174912.930
   AREAVERT WTRACY_STR   630855.688 4174899.351 630848.899 4174899.819
   AREAVERT WTRACY_STR   630850.069 4174909.418 630842.343 4174909.652
   AREAVERT WTRACY_STR   630842.109 4174908.950 630720.830 4174919.720
   AREAVERT WTRACY_STR   630720.830 4174920.890 630713.338 4174921.125
   AREAVERT WTRACY_STR   630712.401 4174912.228 630712.401 4174911.525
   AREAVERT WTRACY_STR   630706.314 4174912.462
   SRCPARAM STCK1        0.0000765     4.520   389.100   5.10000     0.550

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Scenario 1"
   EMISFACT WTRACY_STR   HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT WTRACY_STR   HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT WTRACY_STR   HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT WTRACY_STR   HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED West_Tracy_Station_Alt_2040_Idling.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08.SFC
   PROFFILE ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08.PFL
   SURFDATA 99008 2004
   UAIRDATA 66666 2004
   PROFBASE 158.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   PLOTFILE ANNUAL ALL WEST_TRACY_STATION_ALT_2040_IDLING.AD\West_Tracy_Station_Alt_idling_2040_annuan_DPM.PLT 31
   SUMMFILE West_Tracy_Station_Alt_2040_Idling.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
```

```
SO W320      40       APPARM: Input Parameter May Be Out-of-Range for Parameter           QS

**********************************
*** SETUP Finishes Successfully ***
**********************************
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

**Model Is Setup For Calculation of Average CONCentration Values.

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses RURAL Dispersion Only.

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Full Conversion Assumed for NO2.

**Other Options Specified:
        FASTAREA - Use hybrid approach to optimize AREA sources;
                   also applies to LINE sources (formerly TOXICS option)
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 2 Source(s);   1 Source Group(s); and   3 Receptor(s)

               with: 1 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 0 VOLUME source(s)
                and: 1 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with   0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   158.00 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   3.5 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: West_Tracy_Station_Alt_2040_Idling.err
**File for Summary of Results: West_Tracy_Station_Alt_2040_Idling.sum

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
STCK1	0	0.76500E-04	630780.1	4174921.9	71.5	4.52	389.10	5.10	0.55	NO	NO	NO	

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
WTRACY_STR	0	0.00000E+00	630707.5	4174925.8	72.4	3.00	17	0.70	NO	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	WTRACY_STR , STCK1 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = WTRACY_STR ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(631029.0, 4174813.0, 72.7, 72.7, 0.0); (631112.0, 4174813.0, 71.9, 71.9, 0.0);
(631176.0, 4174780.0, 72.1, 72.1, 0.0);

```
                                          *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                           (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1

               NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.


                                *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                                         (METERS/SEC)

                                               1.54,   3.09,   5.14,   8.23,  10.80,
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08 Met Version: 16216
Profile file: ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08
Surface format: FREE
Profile format: FREE
Surface station no.: 99008 Upper air station no.: 66666
Name: UNKNOWN Name: UNKNOWN
Year: 2004 Year: 2004

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
04	01	01	1	01	-27.4	0.258	-9.000	-9.000	-999.	315.	55.9	0.09	0.77	1.00	4.10	151.	14.0	282.0	2.0
04	01	01	1	02	-33.4	0.328	-9.000	-9.000	-999.	450.	93.2	0.11	0.77	1.00	4.60	148.	14.0	282.0	2.0
04	01	01	1	03	-42.0	0.432	-9.000	-9.000	-999.	682.	170.4	0.11	0.77	1.00	5.70	144.	14.0	281.8	2.0
04	01	01	1	04	-40.3	0.482	-9.000	-9.000	-999.	801.	245.0	0.11	0.77	1.00	6.20	143.	14.0	281.6	2.0
04	01	01	1	05	-29.6	0.534	-9.000	-9.000	-999.	935.	454.9	0.11	0.77	1.00	6.70	143.	14.0	281.5	2.0
04	01	01	1	06	-32.0	0.576	-9.000	-9.000	-999.	1049.	529.7	0.11	0.77	1.00	7.20	142.	14.0	281.4	2.0
04	01	01	1	07	-34.4	0.619	-9.000	-9.000	-999.	1166.	609.6	0.11	0.77	1.00	7.70	135.	14.0	281.2	2.0
04	01	01	1	08	-36.6	0.661	-9.000	-9.000	-999.	1287.	697.1	0.11	0.77	0.73	8.20	143.	14.0	281.2	2.0
04	01	01	1	09	7.0	0.717	0.238	0.005	68.	1454.	-4692.4	0.11	0.77	0.39	8.70	137.	14.0	281.5	2.0
04	01	01	1	10	43.3	0.655	0.675	0.005	251.	1280.	-574.5	0.09	0.77	0.27	8.20	151.	14.0	282.1	2.0
04	01	01	1	11	70.4	0.549	0.930	0.005	405.	989.	-207.5	0.09	0.77	0.23	6.70	164.	14.0	283.1	2.0
04	01	01	1	12	90.7	0.480	1.217	0.005	703.	804.	-107.8	0.09	0.77	0.21	5.70	166.	14.0	284.1	2.0
04	01	01	1	13	92.9	0.395	1.327	0.005	891.	602.	-58.8	0.08	0.77	0.21	4.60	183.	14.0	284.9	2.0
04	01	01	1	14	81.1	0.321	1.332	0.005	1031.	440.	-36.0	0.08	0.77	0.22	3.60	189.	14.0	285.2	2.0
04	01	01	1	15	47.5	0.160	1.139	0.005	1104.	174.	-7.6	0.08	0.77	0.26	1.50	192.	14.0	284.5	2.0
04	01	01	1	16	19.1	0.076	0.847	0.005	1130.	56.	-2.0	0.12	0.77	0.34	0.50	54.	14.0	283.5	2.0
04	01	01	1	17	-2.6	0.061	-9.000	-9.000	-999.	36.	7.7	0.10	0.77	0.59	1.50	341.	14.0	283.1	2.0
04	01	01	1	18	-3.0	0.061	-9.000	-9.000	-999.	37.	6.9	0.11	0.77	1.00	1.50	307.	14.0	282.2	2.0
04	01	01	1	19	-9.1	0.106	-9.000	-9.000	-999.	83.	11.5	0.10	0.77	1.00	2.60	284.	14.0	281.2	2.0
04	01	01	1	20	-22.1	0.207	-9.000	-9.000	-999.	226.	35.6	0.10	0.77	1.00	3.60	267.	14.0	280.4	2.0
04	01	01	1	21	-28.4	0.265	-9.000	-9.000	-999.	327.	58.1	0.10	0.77	1.00	4.10	260.	14.0	279.8	2.0
04	01	01	1	22	-33.8	0.315	-9.000	-9.000	-999.	424.	82.1	0.10	0.77	1.00	4.60	262.	14.0	279.4	2.0
04	01	01	1	23	-33.9	0.315	-9.000	-9.000	-999.	424.	82.0	0.10	0.77	1.00	4.60	250.	14.0	279.2	2.0
04	01	01	1	24	-28.5	0.264	-9.000	-9.000	-999.	327.	57.9	0.10	0.77	1.00	4.10	240.	14.0	279.0	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
04	01	01	01	14.0	1	151.	4.10	282.1	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): WTRACY_STR , STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
631029.00	4174813.00	0.00078	631112.00	4174813.00	0.00061
631176.00	4174780.00	0.00042			

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00078 AT	(631029.00, 4174813.00, 72.67, 72.67, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00061 AT	(631112.00, 4174813.00, 71.86, 71.86, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00042 AT	(631176.00, 4174780.00, 72.14, 72.14, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	5TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	6TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	7TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	8TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	9TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	10TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   1 Warning Message(s)
A Total of   375 Informational Message(s)

A Total of   43848 Hours Were Processed

A Total of   375 Calm Hours Identified

A Total of   0 Missing Hours Identified (0.00 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
SO W320   40   APPARM: Input Parameter May Be Out-of-Range for Parameter   QS

   ****
   *** AERMOD Finishes Successfully ***
   ****

AERMOD input and output files for annual DPM operation modeling runs for locomotive movement

```
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE Valley Link: Altamont Segment, 2025 Annual Operation DPM
   MODELOPT CONC FASTAREA
   AVERTIME ANNUAL
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL Altamont_operation_2025_DPM.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = ALTAMONT_D
** DESCRSRC Altamont Segment - Day Time
** PREFIX
** Length of Side = 9.10
** Ratio = 10
** Vertical Dimension = 1.37
** Emission Rate = 1.411E-08
** Nodes = 44
** 617021.567, 4177040.179, 221.92, 5.87
** 617038.396, 4177133.941, 220.38, 5.87
** 617050.417, 4177203.662, 219.92, 5.87
** 617060.033, 4177273.382, 220.50, 5.87
** 617067.246, 4177343.103, 219.88, 5.87
** 617079.267, 4177405.611, 220.28, 5.87
** 617093.692, 4177472.928, 220.91, 5.87
** 617122.541, 4177581.115, 221.40, 5.87
** 617170.625, 4177686.898, 222.23, 5.87
** 617235.537, 4177792.681, 221.80, 5.87
** 617314.874, 4177884.039, 223.11, 5.87
** 617374.978, 4177939.335, 225.58, 5.87
** 617425.466, 4177977.802, 225.25, 5.87
** 617504.803, 4178035.502, 224.15, 5.87
** 617644.244, 4178136.476, 225.43, 5.87
** 617783.686, 4178235.047, 225.78, 5.87
** 617901.490, 4178316.788, 224.09, 5.87
** 617992.848, 4178379.297, 223.73, 5.87
** 618064.973, 4178424.976, 223.41, 5.87
** 618117.864, 4178458.634, 222.48, 5.87
** 618146.714, 4178480.271, 222.65, 5.87
** 618187.585, 4178492.292, 221.73, 5.87
** 618240.476, 4178516.334, 221.26, 5.87
** 618281.347, 4178525.951, 223.35, 5.87
** 618324.622, 4178533.163, 221.31, 5.87
** 618375.110, 4178540.375, 219.52, 5.87
** 618408.768, 4178540.375, 219.29, 5.87
** 618442.426, 4178537.971, 220.46, 5.87
** 618504.934, 4178528.355, 218.79, 5.87
** 618545.805, 4178501.909, 217.31, 5.87
** 618589.080, 4178456.230, 218.82, 5.87
** 618649.184, 4178386.509, 219.69, 5.87
** 618690.055, 4178350.447, 216.67, 5.87
** 618733.330, 4178328.809, 220.53, 5.87
** 618783.817, 4178307.172, 216.44, 5.87
** 618846.325, 4178297.555, 214.05, 5.87
** 618908.833, 4178280.726, 213.63, 5.87
** 618973.746, 4178251.876, 212.73, 5.87
** 619019.425, 4178220.622, 212.24, 5.87
** 619079.529, 4178182.155, 210.27, 5.87
** 619130.016, 4178158.114, 209.58, 5.87
** 619180.504, 4178150.901, 209.53, 5.87
** 619221.374, 4178155.710, 209.41, 5.87
** 619279.074, 4178174.943, 209.05, 5.87
** ------------------------------------------------------------------------
   LOCATION A0000001     AREA     617026.045 4177039.375 220.96
   LOCATION A0000002     AREA     617034.460 4177086.256 221.14
   LOCATION A0000003     AREA     617042.880 4177133.168 220.89
   LOCATION A0000004     AREA     617054.924 4177203.040 220.13
   LOCATION A0000005     AREA     617064.559 4177272.914 220.56
   LOCATION A0000006     AREA     617071.714 4177342.244 220.71
   LOCATION A0000007     AREA     617083.716 4177404.658 220.76
   LOCATION A0000008     AREA     617098.088 4177471.756 220.67
   LOCATION A0000009     AREA     617112.513 4177525.849 220.95
   LOCATION A0000010     AREA     617126.684 4177579.232 221.55
   LOCATION A0000011     AREA     617150.725 4177632.124 222.41
   LOCATION A0000012     AREA     617174.503 4177684.519 222.33
   LOCATION A0000013     AREA     617206.959 4177737.410 222.70
   LOCATION A0000014     AREA     617238.972 4177789.698 222.50
   LOCATION A0000015     AREA     617278.641 4177835.377 223.57
   LOCATION A0000016     AREA     617317.955 4177880.691 223.44
   LOCATION A0000017     AREA     617377.736 4177935.716 225.18
   LOCATION A0000018     AREA     617428.142 4177974.122 225.89
```

```
   LOCATION A0000019     AREA     617467.811 4178002.972 224.68
   LOCATION A0000020     AREA     617507.472 4178031.816 224.49
   LOCATION A0000021     AREA     617577.192 4178082.304 224.82
   LOCATION A0000022     AREA     617646.871 4178132.761 225.44
   LOCATION A0000023     AREA     617716.592 4178182.046 225.83
   LOCATION A0000024     AREA     617786.280 4178231.309 225.41
   LOCATION A0000025     AREA     617845.182 4178272.180 224.86
   LOCATION A0000026     AREA     617904.059 4178313.033 223.84
   LOCATION A0000027     AREA     617949.738 4178344.287 223.63
   LOCATION A0000028     AREA     617995.282 4178375.453 223.08
   LOCATION A0000029     AREA     618067.415 4178421.137 223.53
   LOCATION A0000030     AREA     618120.594 4178454.994 222.60
   LOCATION A0000031     AREA     618147.998 4178475.906 222.41
   LOCATION A0000032     AREA     618189.468 4178488.150 223.44
   LOCATION A0000033     AREA     618241.519 4178511.905 222.27
   LOCATION A0000034     AREA     618282.095 4178521.462 222.55
   LOCATION A0000035     AREA     618325.266 4178528.659 221.99
   LOCATION A0000036     AREA     618375.110 4178535.825 220.52
   LOCATION A0000037     AREA     618408.444 4178535.837 220.23
   LOCATION A0000038     AREA     618441.734 4178533.474 219.91
   LOCATION A0000039     AREA     618502.462 4178524.535 218.43
   LOCATION A0000040     AREA     618542.502 4178498.780 219.40
   LOCATION A0000041     AREA     618585.634 4178453.259 218.48
   LOCATION A0000042     AREA     618615.686 4178418.399 218.21
   LOCATION A0000043     AREA     618646.174 4178383.097 218.97
   LOCATION A0000044     AREA     618688.020 4178346.377 218.59
   LOCATION A0000045     AREA     618731.537 4178324.627 218.97
   LOCATION A0000046     AREA     618783.125 4178302.675 216.03
   LOCATION A0000047     AREA     618845.142 4178293.162 213.48
   LOCATION A0000048     AREA     618906.985 4178276.568 214.30
   LOCATION A0000049     AREA     618971.176 4178248.121 215.66
   LOCATION A0000050     AREA     619016.972 4178216.790 213.70
   LOCATION A0000051     AREA     619077.573 4178178.047 211.30
   LOCATION A0000052     AREA     619129.373 4178153.610 209.34
   LOCATION A0000053     AREA     619181.035 4178146.383 210.91
   LOCATION A0000054     AREA     619222.813 4178151.393 209.94
** End of LINE AREA Source ID = ALTAMONT_D
** ------------------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = ALTAMONT_N
** DESCRSRC Altamont Segment - Night Time
** PREFIX
** Length of Side = 9.10
** Ratio = 10
** Vertical Dimension = 2.55
** Emission Rate = 1.411E-08
** Nodes = 44
** 617021.567, 4177040.179, 221.92, 10.98
** 617038.396, 4177133.941, 220.38, 10.98
** 617050.417, 4177203.662, 219.92, 10.98
** 617060.033, 4177273.382, 220.50, 10.98
** 617067.246, 4177343.103, 219.88, 10.98
** 617079.267, 4177405.611, 220.28, 10.98
** 617093.692, 4177472.928, 220.91, 10.98
** 617122.541, 4177581.115, 221.40, 10.98
** 617170.625, 4177686.898, 222.23, 10.98
** 617235.537, 4177792.681, 221.80, 10.98
** 617314.874, 4177884.039, 223.11, 10.98
** 617374.978, 4177939.335, 225.58, 10.98
** 617425.466, 4177977.802, 225.25, 10.98
** 617504.803, 4178035.502, 224.15, 10.98
** 617644.244, 4178136.476, 225.43, 10.98
** 617783.686, 4178235.047, 225.78, 10.98
** 617901.490, 4178316.788, 224.09, 10.98
** 617992.848, 4178379.297, 223.73, 10.98
** 618064.973, 4178424.976, 223.41, 10.98
** 618117.864, 4178458.634, 222.48, 10.98
** 618146.714, 4178480.271, 222.65, 10.98
** 618187.585, 4178492.292, 221.73, 10.98
** 618240.476, 4178516.334, 221.26, 10.98
** 618281.347, 4178525.951, 223.35, 10.98
** 618324.622, 4178533.163, 221.31, 10.98
** 618375.110, 4178540.375, 219.52, 10.98
** 618408.768, 4178540.375, 219.29, 10.98
** 618442.426, 4178537.971, 220.46, 10.98
** 618504.934, 4178528.355, 218.79, 10.98
** 618545.805, 4178501.909, 217.31, 10.98
** 618589.080, 4178456.230, 218.82, 10.98
** 618649.184, 4178386.509, 219.69, 10.98
** 618690.055, 4178350.447, 216.67, 10.98
** 618733.330, 4178328.809, 220.53, 10.98
** 618783.817, 4178307.172, 216.44, 10.98
** 618846.325, 4178297.555, 214.05, 10.98
** 618908.833, 4178280.726, 213.63, 10.98
** 618973.746, 4178251.876, 212.73, 10.98
** 619019.425, 4178220.622, 212.24, 10.98
** 619079.529, 4178182.155, 210.27, 10.98
** 619130.016, 4178158.114, 209.58, 10.98
** 619180.504, 4178150.901, 209.53, 10.98
** 619221.374, 4178155.710, 209.41, 10.98
** 619279.074, 4178174.943, 209.05, 10.98
** ------------------------------------------------------------------------
   LOCATION A0000055     AREA     617026.045 4177039.375 220.96
   LOCATION A0000056     AREA     617034.460 4177086.256 221.14
   LOCATION A0000057     AREA     617042.880 4177133.168 220.89
```

```
   LOCATION A0000058     AREA     617054.924 4177203.040 220.13
   LOCATION A0000059     AREA     617064.559 4177272.914 220.56
   LOCATION A0000060     AREA     617071.714 4177342.244 220.71
   LOCATION A0000061     AREA     617083.716 4177404.658 220.76
   LOCATION A0000062     AREA     617098.088 4177471.756 220.67
   LOCATION A0000063     AREA     617112.513 4177525.849 220.95
   LOCATION A0000064     AREA     617126.684 4177579.232 221.55
   LOCATION A0000065     AREA     617150.725 4177632.124 222.41
   LOCATION A0000066     AREA     617174.503 4177684.519 222.33
   LOCATION A0000067     AREA     617206.959 4177737.410 222.70
   LOCATION A0000068     AREA     617238.972 4177789.698 222.50
   LOCATION A0000069     AREA     617278.641 4177835.377 223.57
   LOCATION A0000070     AREA     617317.955 4177880.691 223.44
   LOCATION A0000071     AREA     617377.736 4177935.716 225.18
   LOCATION A0000072     AREA     617428.142 4177974.122 225.89
   LOCATION A0000073     AREA     617467.811 4178002.972 224.68
   LOCATION A0000074     AREA     617507.472 4178031.816 224.49
   LOCATION A0000075     AREA     617577.192 4178082.304 224.82
   LOCATION A0000076     AREA     617646.871 4178132.761 225.44
   LOCATION A0000077     AREA     617716.592 4178182.046 225.83
   LOCATION A0000078     AREA     617786.280 4178231.309 225.41
   LOCATION A0000079     AREA     617845.182 4178272.180 224.86
   LOCATION A0000080     AREA     617904.059 4178313.033 223.84
   LOCATION A0000081     AREA     617949.738 4178344.287 223.63
   LOCATION A0000082     AREA     617995.282 4178375.453 223.08
   LOCATION A0000083     AREA     618067.415 4178421.137 223.53
   LOCATION A0000084     AREA     618120.594 4178454.994 222.60
   LOCATION A0000085     AREA     618147.998 4178475.906 222.41
   LOCATION A0000086     AREA     618189.468 4178488.150 223.44
   LOCATION A0000087     AREA     618241.519 4178511.905 222.27
   LOCATION A0000088     AREA     618282.095 4178521.462 222.55
   LOCATION A0000089     AREA     618325.266 4178528.659 221.99
   LOCATION A0000090     AREA     618375.110 4178535.825 220.52
   LOCATION A0000091     AREA     618408.444 4178535.837 220.23
   LOCATION A0000092     AREA     618441.734 4178533.474 219.91
   LOCATION A0000093     AREA     618502.462 4178524.535 218.43
   LOCATION A0000094     AREA     618542.502 4178498.780 219.40
   LOCATION A0000095     AREA     618585.634 4178453.259 218.48
   LOCATION A0000096     AREA     618615.686 4178418.399 218.21
   LOCATION A0000097     AREA     618646.174 4178383.097 218.97
   LOCATION A0000098     AREA     618688.020 4178346.377 218.59
   LOCATION A0000099     AREA     618731.537 4178324.627 218.97
   LOCATION A0000100     AREA     618783.125 4178302.675 216.03
   LOCATION A0000101     AREA     618845.142 4178293.162 213.48
   LOCATION A0000102     AREA     618906.985 4178276.568 214.30
   LOCATION A0000103     AREA     618971.176 4178248.121 215.66
   LOCATION A0000104     AREA     619016.972 4178216.790 213.70
   LOCATION A0000105     AREA     619077.573 4178178.047 211.30
   LOCATION A0000106     AREA     619129.373 4178153.610 209.34
   LOCATION A0000107     AREA     619181.035 4178146.383 210.91
   LOCATION A0000108     AREA     619222.813 4178151.393 209.94
** End of LINE AREA Source ID = ALTAMONT_N
** Source Parameters **
** LINE AREA Source ID = ALTAMONT_D
   SRCPARAM A0000001     1.411E-08     5.870    47.630     9.100   -79.824     1.370
   SRCPARAM A0000002     1.411E-08     5.870    47.630     9.100   -79.824     1.370
   SRCPARAM A0000003     1.411E-08     5.870    70.749     9.100   -80.218     1.370
   SRCPARAM A0000004     1.411E-08     5.870    70.381     9.100   -82.147     1.370
   SRCPARAM A0000005     1.411E-08     5.870    70.093     9.100   -84.094     1.370
   SRCPARAM A0000006     1.411E-08     5.870    63.654     9.100   -79.114     1.370
   SRCPARAM A0000007     1.411E-08     5.870    68.845     9.100   -77.905     1.370
   SRCPARAM A0000008     1.411E-08     5.870    55.984     9.100   -75.069     1.370
   SRCPARAM A0000009     1.411E-08     5.870    55.984     9.100   -75.069     1.370
   SRCPARAM A0000010     1.411E-08     5.870    58.099     9.100   -65.556     1.370
   SRCPARAM A0000011     1.411E-08     5.870    58.099     9.100   -65.556     1.370
   SRCPARAM A0000012     1.411E-08     5.870    62.056     9.100   -58.465     1.370
   SRCPARAM A0000013     1.411E-08     5.870    62.056     9.100   -58.465     1.370
   SRCPARAM A0000014     1.411E-08     5.870    60.499     9.100   -49.028     1.370
   SRCPARAM A0000015     1.411E-08     5.870    60.499     9.100   -49.028     1.370
   SRCPARAM A0000016     1.411E-08     5.870    81.671     9.100   -42.614     1.370
   SRCPARAM A0000017     1.411E-08     5.870    63.472     9.100   -37.304     1.370
   SRCPARAM A0000018     1.411E-08     5.870    49.050     9.100   -36.027     1.370
   SRCPARAM A0000019     1.411E-08     5.870    49.050     9.100   -36.027     1.370
   SRCPARAM A0000020     1.411E-08     5.870    86.081     9.100   -35.910     1.370
   SRCPARAM A0000021     1.411E-08     5.870    86.081     9.100   -35.910     1.370
   SRCPARAM A0000022     1.411E-08     5.870    85.382     9.100   -35.256     1.370
   SRCPARAM A0000023     1.411E-08     5.870    85.382     9.100   -35.256     1.370
   SRCPARAM A0000024     1.411E-08     5.870    71.693     9.100   -34.756     1.370
   SRCPARAM A0000025     1.411E-08     5.870    71.693     9.100   -34.756     1.370
   SRCPARAM A0000026     1.411E-08     5.870    55.348     9.100   -34.380     1.370
   SRCPARAM A0000027     1.411E-08     5.870    55.348     9.100   -34.380     1.370
   SRCPARAM A0000028     1.411E-08     5.870    85.373     9.100   -32.347     1.370
   SRCPARAM A0000029     1.411E-08     5.870    62.693     9.100   -32.471     1.370
   SRCPARAM A0000030     1.411E-08     5.870    36.062     9.100   -36.870     1.370
   SRCPARAM A0000031     1.411E-08     5.870    42.602     9.100   -16.390     1.370
   SRCPARAM A0000032     1.411E-08     5.870    58.099     9.100   -24.444     1.370
   SRCPARAM A0000033     1.411E-08     5.870    41.987     9.100   -13.241     1.370
   SRCPARAM A0000034     1.411E-08     5.870    43.872     9.100    -9.462     1.370
   SRCPARAM A0000035     1.411E-08     5.870    51.000     9.100    -8.130     1.370
   SRCPARAM A0000036     1.411E-08     5.870    33.658     9.100     0.000     1.370
   SRCPARAM A0000037     1.411E-08     5.870    33.744     9.100     4.086     1.370
   SRCPARAM A0000038     1.411E-08     5.870    63.244     9.100     8.746     1.370
   SRCPARAM A0000039     1.411E-08     5.870    48.681     9.100    32.905     1.370
   SRCPARAM A0000040     1.411E-08     5.870    62.923     9.100    46.548     1.370
   SRCPARAM A0000041     1.411E-08     5.870    46.026     9.100    49.236     1.370
```

```
   SRCPARAM A0000042     1.411E-08     5.870    46.026     9.100    49.236     1.370
   SRCPARAM A0000043     1.411E-08     5.870    54.506     9.100    41.424     1.370
   SRCPARAM A0000044     1.411E-08     5.870    48.383     9.100    26.565     1.370
   SRCPARAM A0000045     1.411E-08     5.870    54.929     9.100    23.199     1.370
   SRCPARAM A0000046     1.411E-08     5.870    63.244     9.100     8.746     1.370
   SRCPARAM A0000047     1.411E-08     5.870    64.734     9.100    15.068     1.370
   SRCPARAM A0000048     1.411E-08     5.870    71.035     9.100    23.962     1.370
   SRCPARAM A0000049     1.411E-08     5.870    55.348     9.100    34.380     1.370
   SRCPARAM A0000050     1.411E-08     5.870    71.359     9.100    32.619     1.370
   SRCPARAM A0000051     1.411E-08     5.870    55.919     9.100    25.463     1.370
   SRCPARAM A0000052     1.411E-08     5.870    51.000     9.100     8.130     1.370
   SRCPARAM A0000053     1.411E-08     5.870    41.153     9.100    -6.710     1.370
   SRCPARAM A0000054     1.411E-08     5.870    60.821     9.100   -18.435     1.370
** ------------------------------------------------------------------------
** LINE AREA Source ID = ALTAMONT_N
   SRCPARAM A0000055     1.411E-08    10.980    47.630     9.100   -79.824     2.550
   SRCPARAM A0000056     1.411E-08    10.980    47.630     9.100   -79.824     2.550
   SRCPARAM A0000057     1.411E-08    10.980    70.749     9.100   -80.218     2.550
   SRCPARAM A0000058     1.411E-08    10.980    70.381     9.100   -82.147     2.550
   SRCPARAM A0000059     1.411E-08    10.980    70.093     9.100   -84.094     2.550
   SRCPARAM A0000060     1.411E-08    10.980    63.654     9.100   -79.114     2.550
   SRCPARAM A0000061     1.411E-08    10.980    68.845     9.100   -77.905     2.550
   SRCPARAM A0000062     1.411E-08    10.980    55.984     9.100   -75.069     2.550
   SRCPARAM A0000063     1.411E-08    10.980    55.984     9.100   -75.069     2.550
   SRCPARAM A0000064     1.411E-08    10.980    58.099     9.100   -65.556     2.550
   SRCPARAM A0000065     1.411E-08    10.980    58.099     9.100   -65.556     2.550
   SRCPARAM A0000066     1.411E-08    10.980    62.056     9.100   -58.465     2.550
   SRCPARAM A0000067     1.411E-08    10.980    62.056     9.100   -58.465     2.550
   SRCPARAM A0000068     1.411E-08    10.980    60.499     9.100   -49.028     2.550
   SRCPARAM A0000069     1.411E-08    10.980    60.499     9.100   -49.028     2.550
   SRCPARAM A0000070     1.411E-08    10.980    81.671     9.100   -42.614     2.550
   SRCPARAM A0000071     1.411E-08    10.980    63.472     9.100   -37.304     2.550
   SRCPARAM A0000072     1.411E-08    10.980    49.050     9.100   -36.027     2.550
   SRCPARAM A0000073     1.411E-08    10.980    49.050     9.100   -36.027     2.550
   SRCPARAM A0000074     1.411E-08    10.980    86.081     9.100   -35.910     2.550
   SRCPARAM A0000075     1.411E-08    10.980    86.081     9.100   -35.910     2.550
   SRCPARAM A0000076     1.411E-08    10.980    85.382     9.100   -35.256     2.550
   SRCPARAM A0000077     1.411E-08    10.980    85.382     9.100   -35.256     2.550
   SRCPARAM A0000078     1.411E-08    10.980    71.693     9.100   -34.756     2.550
   SRCPARAM A0000079     1.411E-08    10.980    71.693     9.100   -34.756     2.550
   SRCPARAM A0000080     1.411E-08    10.980    55.348     9.100   -34.380     2.550
   SRCPARAM A0000081     1.411E-08    10.980    55.348     9.100   -34.380     2.550
   SRCPARAM A0000082     1.411E-08    10.980    85.373     9.100   -32.347     2.550
   SRCPARAM A0000083     1.411E-08    10.980    62.693     9.100   -32.471     2.550
   SRCPARAM A0000084     1.411E-08    10.980    36.062     9.100   -36.870     2.550
   SRCPARAM A0000085     1.411E-08    10.980    42.602     9.100   -16.390     2.550
   SRCPARAM A0000086     1.411E-08    10.980    58.099     9.100   -24.444     2.550
   SRCPARAM A0000087     1.411E-08    10.980    41.987     9.100   -13.241     2.550
   SRCPARAM A0000088     1.411E-08    10.980    43.872     9.100    -9.462     2.550
   SRCPARAM A0000089     1.411E-08    10.980    51.000     9.100    -8.130     2.550
   SRCPARAM A0000090     1.411E-08    10.980    33.658     9.100     0.000     2.550
   SRCPARAM A0000091     1.411E-08    10.980    33.744     9.100     4.086     2.550
   SRCPARAM A0000092     1.411E-08    10.980    63.244     9.100     8.746     2.550
   SRCPARAM A0000093     1.411E-08    10.980    48.681     9.100    32.905     2.550
   SRCPARAM A0000094     1.411E-08    10.980    62.923     9.100    46.548     2.550
   SRCPARAM A0000095     1.411E-08    10.980    46.026     9.100    49.236     2.550
   SRCPARAM A0000096     1.411E-08    10.980    46.026     9.100    49.236     2.550
   SRCPARAM A0000097     1.411E-08    10.980    54.506     9.100    41.424     2.550
   SRCPARAM A0000098     1.411E-08    10.980    48.383     9.100    26.565     2.550
   SRCPARAM A0000099     1.411E-08    10.980    54.929     9.100    23.199     2.550
   SRCPARAM A0000100     1.411E-08    10.980    63.244     9.100     8.746     2.550
   SRCPARAM A0000101     1.411E-08    10.980    64.734     9.100    15.068     2.550
   SRCPARAM A0000102     1.411E-08    10.980    71.035     9.100    23.962     2.550
   SRCPARAM A0000103     1.411E-08    10.980    55.348     9.100    34.380     2.550
   SRCPARAM A0000104     1.411E-08    10.980    71.359     9.100    32.619     2.550
   SRCPARAM A0000105     1.411E-08    10.980    55.919     9.100    25.463     2.550
   SRCPARAM A0000106     1.411E-08    10.980    51.000     9.100     8.130     2.550
   SRCPARAM A0000107     1.411E-08    10.980    41.153     9.100    -6.710     2.550
   SRCPARAM A0000108     1.411E-08    10.980    60.821     9.100   -18.435     2.550
** ------------------------------------------------------------------------

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Day"
   EMISFACT A0000001     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000001     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000001     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000001     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000002     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000002     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000002     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000002     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000003     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000003     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000003     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000003     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000004     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000004     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000004     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000004     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000005     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000005     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000005     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000005     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000006     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000006     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
```

```
EMISFACT A0000006     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000006     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000007     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000007     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000007     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000007     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000008     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000008     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000008     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000008     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000009     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000009     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000009     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000009     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000010     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000010     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000010     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000010     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000011     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000011     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000011     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000011     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000012     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000012     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000012     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000012     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000013     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000013     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000013     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000013     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000014     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000014     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000014     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000014     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000015     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000015     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000015     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000015     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000016     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000016     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000016     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000016     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000017     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000017     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000017     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000017     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000018     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000018     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000018     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000018     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000019     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000019     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000019     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000019     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000020     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000020     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000020     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000020     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000021     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000021     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000021     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000021     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000022     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000022     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000022     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000022     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000023     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000023     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000023     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000023     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000024     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000024     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000024     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000024     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000025     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000025     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000025     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000025     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000026     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000026     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000026     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000026     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000027     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000027     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000027     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000027     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000028     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000028     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000028     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000028     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000029     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000029     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000029     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000029     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000030     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT A0000030     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000030     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000030     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000031     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000031     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000031     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000031     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000032     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000032     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000032     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000032     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000033     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000033     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000033     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000033     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000034     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000034     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000034     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000034     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000035     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000035     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000035     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000035     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000036     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000036     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000036     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000036     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000037     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000037     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000037     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000037     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000038     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000038     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000038     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000038     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000039     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000039     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000039     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000039     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000040     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000040     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000040     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000040     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000041     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000041     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000041     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000041     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000042     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000042     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000042     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000042     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000043     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000043     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000043     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000043     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000044     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000044     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000044     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000044     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000045     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000045     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000045     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000045     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000046     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000046     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000046     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000046     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000047     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000047     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000047     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000047     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000048     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000048     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000048     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000048     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000049     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000049     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000049     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000049     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000050     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000050     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000050     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000050     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000051     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000051     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000051     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000051     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000052     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000052     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000052     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000052     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000053     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000053     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000053     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000053     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000054     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000054     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000054     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Night"
   EMISFACT A0000055     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000055     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000055     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000056     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000056     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000057     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000057     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000058     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000058     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000059     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000059     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000060     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000060     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000061     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000061     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000062     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000062     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000063     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000063     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000064     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000064     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000065     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000065     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000066     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000066     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000067     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000067     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000068     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000068     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000069     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000069     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000070     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000070     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000071     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000071     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000072     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000072     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000072     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000072     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000073     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000073     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000073     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000073     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000074     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000074     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000074     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000074     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000075     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000075     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000075     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000075     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000076     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000076     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000076     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000076     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
```

```
EMISFACT A0000077     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000077     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000077     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000077     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000078     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000078     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000078     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000078     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000079     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000079     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000079     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000079     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000080     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000080     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000080     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000080     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000081     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000081     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000081     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000081     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000082     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000082     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000082     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000082     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000083     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000083     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000083     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000083     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000084     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000084     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000084     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000084     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000085     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000085     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000085     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000085     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000086     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000086     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000086     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000086     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000087     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000087     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000087     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000087     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000088     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000088     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000088     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000088     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000089     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000089     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000089     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000089     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000090     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000090     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000090     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000090     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000091     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000091     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000091     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000091     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000092     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000092     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000092     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000092     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000093     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000093     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000093     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000093     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000094     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000094     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000094     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000094     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000095     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000095     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000095     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000095     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000096     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000096     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000096     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000096     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000097     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000097     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000097     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000097     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000098     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000098     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000098     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000098     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000099     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000099     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000099     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000099     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000100     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000100     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000100     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
```

```
   EMISFACT A0000100     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000101     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000101     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000101     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000101     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000102     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000102     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000102     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000102     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000103     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000103     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000103     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000103     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000104     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000104     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000104     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000104     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000105     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000105     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000105     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000105     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000106     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000106     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000106     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000106     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000107     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000107     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000107     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000107     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000108     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000108     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000108     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000108     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED Altamont_operation_2025_DPM.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE ..\..\..\..\metdata\AQMD\724927_Livermore\724927.SFC
   PROFFILE ..\..\..\..\metdata\AQMD\724927_Livermore\724927.PFL
   SURFDATA 23285 2009
   UAIRDATA 23230 2009 OAKLAND/WSO_AP
   PROFBASE 137.2 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   PLOTFILE ANNUAL ALL ALTAMONT_OPERATION_2025_DPM.AD\Altamont_operation_2025_annuan_DPM.PLT 31
   SUMMFILE Altamont_operation_2025_DPM.sum
OU FINISHED

 ***********************************
 *** SETUP Finishes Successfully ***
 ***********************************
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

**Model Is Setup For Calculation of Average CONCentration Values.

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses RURAL Dispersion Only.

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Full Conversion Assumed for NO2.

**Other Options Specified:
        FASTAREA - Use hybrid approach to optimize AREA sources;
                   also applies to LINE sources (formerly TOXICS option)
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 108 Source(s);   1 Source Group(s); and   3 Receptor(s)

               with: 0 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 0 VOLUME source(s)
                and: 108 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with   0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   137.20 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   3.6 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: Altamont_operation_2025_DPM.err
**File for Summary of Results: Altamont_operation_2025_DPM.sum

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000001	0	0.14110E-07	617026.0	4177039.4	221.0	5.87	47.63	9.10	-79.82	1.37	NO	HROFDY
A0000002	0	0.14110E-07	617034.5	4177086.3	221.1	5.87	47.63	9.10	-79.82	1.37	NO	HROFDY
A0000003	0	0.14110E-07	617042.9	4177133.2	220.9	5.87	70.75	9.10	-80.22	1.37	NO	HROFDY
A0000004	0	0.14110E-07	617054.9	4177203.0	220.1	5.87	70.38	9.10	-82.15	1.37	NO	HROFDY
A0000005	0	0.14110E-07	617064.6	4177272.9	220.6	5.87	70.09	9.10	-84.09	1.37	NO	HROFDY
A0000006	0	0.14110E-07	617071.7	4177342.2	220.7	5.87	63.65	9.10	-79.11	1.37	NO	HROFDY
A0000007	0	0.14110E-07	617083.7	4177404.7	220.8	5.87	68.84	9.10	-77.91	1.37	NO	HROFDY
A0000008	0	0.14110E-07	617098.1	4177471.8	220.7	5.87	55.98	9.10	-75.07	1.37	NO	HROFDY
A0000009	0	0.14110E-07	617112.5	4177525.8	221.0	5.87	55.98	9.10	-75.07	1.37	NO	HROFDY
A0000010	0	0.14110E-07	617126.7	4177579.2	221.6	5.87	58.10	9.10	-65.56	1.37	NO	HROFDY
A0000011	0	0.14110E-07	617150.7	4177632.1	222.4	5.87	58.10	9.10	-65.56	1.37	NO	HROFDY
A0000012	0	0.14110E-07	617174.5	4177684.5	222.3	5.87	62.06	9.10	-58.47	1.37	NO	HROFDY
A0000013	0	0.14110E-07	617207.0	4177737.4	222.7	5.87	62.06	9.10	-58.47	1.37	NO	HROFDY
A0000014	0	0.14110E-07	617239.0	4177789.7	222.5	5.87	60.50	9.10	-49.03	1.37	NO	HROFDY
A0000015	0	0.14110E-07	617278.6	4177835.4	223.6	5.87	60.50	9.10	-49.03	1.37	NO	HROFDY
A0000016	0	0.14110E-07	617318.0	4177880.7	223.4	5.87	81.67	9.10	-42.61	1.37	NO	HROFDY
A0000017	0	0.14110E-07	617377.7	4177935.7	225.2	5.87	63.47	9.10	-37.30	1.37	NO	HROFDY
A0000018	0	0.14110E-07	617428.1	4177974.1	225.9	5.87	49.05	9.10	-36.03	1.37	NO	HROFDY
A0000019	0	0.14110E-07	617467.8	4178003.0	224.7	5.87	49.05	9.10	-36.03	1.37	NO	HROFDY
A0000020	0	0.14110E-07	617507.5	4178031.8	224.5	5.87	86.08	9.10	-35.91	1.37	NO	HROFDY
A0000021	0	0.14110E-07	617577.2	4178082.3	224.8	5.87	86.08	9.10	-35.91	1.37	NO	HROFDY
A0000022	0	0.14110E-07	617646.9	4178132.8	225.4	5.87	85.38	9.10	-35.26	1.37	NO	HROFDY
A0000023	0	0.14110E-07	617716.6	4178182.0	225.8	5.87	85.38	9.10	-35.26	1.37	NO	HROFDY
A0000024	0	0.14110E-07	617786.3	4178231.3	225.4	5.87	71.69	9.10	-34.76	1.37	NO	HROFDY
A0000025	0	0.14110E-07	617845.2	4178272.2	224.9	5.87	71.69	9.10	-34.76	1.37	NO	HROFDY
A0000026	0	0.14110E-07	617904.1	4178313.0	223.8	5.87	55.35	9.10	-34.38	1.37	NO	HROFDY
A0000027	0	0.14110E-07	617949.7	4178344.3	223.6	5.87	55.35	9.10	-34.38	1.37	NO	HROFDY
A0000028	0	0.14110E-07	617995.3	4178375.5	223.1	5.87	85.37	9.10	-32.35	1.37	NO	HROFDY
A0000029	0	0.14110E-07	618067.4	4178421.1	223.5	5.87	62.69	9.10	-32.47	1.37	NO	HROFDY
A0000030	0	0.14110E-07	618120.6	4178455.0	222.6	5.87	36.06	9.10	-36.87	1.37	NO	HROFDY
A0000031	0	0.14110E-07	618148.0	4178475.9	222.4	5.87	42.60	9.10	-16.39	1.37	NO	HROFDY
A0000032	0	0.14110E-07	618189.5	4178488.1	223.4	5.87	58.10	9.10	-24.44	1.37	NO	HROFDY
A0000033	0	0.14110E-07	618241.5	4178511.9	222.3	5.87	41.99	9.10	-13.24	1.37	NO	HROFDY
A0000034	0	0.14110E-07	618282.1	4178521.5	222.6	5.87	43.87	9.10	-9.46	1.37	NO	HROFDY
A0000035	0	0.14110E-07	618325.3	4178528.7	222.0	5.87	51.00	9.10	-8.13	1.37	NO	HROFDY
A0000036	0	0.14110E-07	618375.1	4178535.8	220.5	5.87	33.66	9.10	0.00	1.37	NO	HROFDY
A0000037	0	0.14110E-07	618408.4	4178535.8	220.2	5.87	33.74	9.10	4.09	1.37	NO	HROFDY
A0000038	0	0.14110E-07	618441.7	4178533.5	219.9	5.87	63.24	9.10	8.75	1.37	NO	HROFDY
A0000039	0	0.14110E-07	618502.5	4178524.5	218.4	5.87	48.68	9.10	32.91	1.37	NO	HROFDY
A0000040	0	0.14110E-07	618542.5	4178498.8	219.4	5.87	62.92	9.10	46.55	1.37	NO	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000041	0	0.14110E-07	618585.6	4178453.3	218.5	5.87	46.03	9.10	49.24	1.37	NO	HROFDY
A0000042	0	0.14110E-07	618615.7	4178418.4	218.2	5.87	46.03	9.10	49.24	1.37	NO	HROFDY
A0000043	0	0.14110E-07	618646.2	4178383.1	219.0	5.87	54.51	9.10	41.42	1.37	NO	HROFDY
A0000044	0	0.14110E-07	618688.0	4178346.4	218.6	5.87	48.38	9.10	26.56	1.37	NO	HROFDY
A0000045	0	0.14110E-07	618731.5	4178324.6	219.0	5.87	54.93	9.10	23.20	1.37	NO	HROFDY
A0000046	0	0.14110E-07	618783.1	4178302.7	216.0	5.87	63.24	9.10	8.75	1.37	NO	HROFDY
A0000047	0	0.14110E-07	618845.1	4178293.2	213.5	5.87	64.73	9.10	15.07	1.37	NO	HROFDY
A0000048	0	0.14110E-07	618907.0	4178276.6	214.3	5.87	71.03	9.10	23.96	1.37	NO	HROFDY
A0000049	0	0.14110E-07	618971.2	4178248.1	215.7	5.87	55.35	9.10	34.38	1.37	NO	HROFDY
A0000050	0	0.14110E-07	619017.0	4178216.8	213.7	5.87	71.36	9.10	32.62	1.37	NO	HROFDY
A0000051	0	0.14110E-07	619077.6	4178178.0	211.3	5.87	55.92	9.10	25.46	1.37	NO	HROFDY
A0000052	0	0.14110E-07	619129.4	4178153.6	209.3	5.87	51.00	9.10	8.13	1.37	NO	HROFDY
A0000053	0	0.14110E-07	619181.0	4178146.4	210.9	5.87	41.15	9.10	-6.71	1.37	NO	HROFDY
A0000054	0	0.14110E-07	619222.8	4178151.4	209.9	5.87	60.82	9.10	-18.43	1.37	NO	HROFDY
A0000055	0	0.14110E-07	617026.0	4177039.4	221.0	10.98	47.63	9.10	-79.82	2.55	NO	HROFDY
A0000056	0	0.14110E-07	617034.5	4177086.3	221.1	10.98	47.63	9.10	-79.82	2.55	NO	HROFDY
A0000057	0	0.14110E-07	617042.9	4177133.2	220.9	10.98	70.75	9.10	-80.22	2.55	NO	HROFDY
A0000058	0	0.14110E-07	617054.9	4177203.0	220.1	10.98	70.38	9.10	-82.15	2.55	NO	HROFDY
A0000059	0	0.14110E-07	617064.6	4177272.9	220.6	10.98	70.09	9.10	-84.09	2.55	NO	HROFDY
A0000060	0	0.14110E-07	617071.7	4177342.2	220.7	10.98	63.65	9.10	-79.11	2.55	NO	HROFDY
A0000061	0	0.14110E-07	617083.7	4177404.7	220.8	10.98	68.84	9.10	-77.91	2.55	NO	HROFDY
A0000062	0	0.14110E-07	617098.1	4177471.8	220.7	10.98	55.98	9.10	-75.07	2.55	NO	HROFDY
A0000063	0	0.14110E-07	617112.5	4177525.8	221.0	10.98	55.98	9.10	-75.07	2.55	NO	HROFDY
A0000064	0	0.14110E-07	617126.7	4177579.2	221.6	10.98	58.10	9.10	-65.56	2.55	NO	HROFDY
A0000065	0	0.14110E-07	617150.7	4177632.1	222.4	10.98	58.10	9.10	-65.56	2.55	NO	HROFDY
A0000066	0	0.14110E-07	617174.5	4177684.5	222.3	10.98	62.06	9.10	-58.47	2.55	NO	HROFDY
A0000067	0	0.14110E-07	617207.0	4177737.4	222.7	10.98	62.06	9.10	-58.47	2.55	NO	HROFDY
A0000068	0	0.14110E-07	617239.0	4177789.7	222.5	10.98	60.50	9.10	-49.03	2.55	NO	HROFDY
A0000069	0	0.14110E-07	617278.6	4177835.4	223.6	10.98	60.50	9.10	-49.03	2.55	NO	HROFDY
A0000070	0	0.14110E-07	617318.0	4177880.7	223.4	10.98	81.67	9.10	-42.61	2.55	NO	HROFDY
A0000071	0	0.14110E-07	617377.7	4177935.7	225.2	10.98	63.47	9.10	-37.30	2.55	NO	HROFDY
A0000072	0	0.14110E-07	617428.1	4177974.1	225.9	10.98	49.05	9.10	-36.03	2.55	NO	HROFDY
A0000073	0	0.14110E-07	617467.8	4178003.0	224.7	10.98	49.05	9.10	-36.03	2.55	NO	HROFDY
A0000074	0	0.14110E-07	617507.5	4178031.8	224.5	10.98	86.08	9.10	-35.91	2.55	NO	HROFDY
A0000075	0	0.14110E-07	617577.2	4178082.3	224.8	10.98	86.08	9.10	-35.91	2.55	NO	HROFDY
A0000076	0	0.14110E-07	617646.9	4178132.8	225.4	10.98	85.38	9.10	-35.26	2.55	NO	HROFDY
A0000077	0	0.14110E-07	617716.6	4178182.0	225.8	10.98	85.38	9.10	-35.26	2.55	NO	HROFDY
A0000078	0	0.14110E-07	617786.3	4178231.3	225.4	10.98	71.69	9.10	-34.76	2.55	NO	HROFDY
A0000079	0	0.14110E-07	617845.2	4178272.2	224.9	10.98	71.69	9.10	-34.76	2.55	NO	HROFDY
A0000080	0	0.14110E-07	617904.1	4178313.0	223.8	10.98	55.35	9.10	-34.38	2.55	NO	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000081	0	0.14110E-07	617949.7	4178344.3	223.6	10.98	55.35	9.10	-34.38	2.55	NO	HROFDY
A0000082	0	0.14110E-07	617995.3	4178375.5	223.1	10.98	85.37	9.10	-32.35	2.55	NO	HROFDY
A0000083	0	0.14110E-07	618067.4	4178421.1	223.5	10.98	62.69	9.10	-32.47	2.55	NO	HROFDY
A0000084	0	0.14110E-07	618120.6	4178455.0	222.6	10.98	36.06	9.10	-36.87	2.55	NO	HROFDY
A0000085	0	0.14110E-07	618148.0	4178475.9	222.4	10.98	42.60	9.10	-16.39	2.55	NO	HROFDY
A0000086	0	0.14110E-07	618189.5	4178488.1	223.4	10.98	58.10	9.10	-24.44	2.55	NO	HROFDY
A0000087	0	0.14110E-07	618241.5	4178511.9	222.3	10.98	41.99	9.10	-13.24	2.55	NO	HROFDY
A0000088	0	0.14110E-07	618282.1	4178521.5	222.6	10.98	43.87	9.10	-9.46	2.55	NO	HROFDY
A0000089	0	0.14110E-07	618325.3	4178528.7	222.0	10.98	51.00	9.10	-8.13	2.55	NO	HROFDY
A0000090	0	0.14110E-07	618375.1	4178535.8	220.5	10.98	33.66	9.10	0.00	2.55	NO	HROFDY
A0000091	0	0.14110E-07	618408.4	4178535.8	220.2	10.98	33.74	9.10	4.09	2.55	NO	HROFDY
A0000092	0	0.14110E-07	618441.7	4178533.5	219.9	10.98	63.24	9.10	8.75	2.55	NO	HROFDY
A0000093	0	0.14110E-07	618502.5	4178524.5	218.4	10.98	48.68	9.10	32.91	2.55	NO	HROFDY
A0000094	0	0.14110E-07	618542.5	4178498.8	219.4	10.98	62.92	9.10	46.55	2.55	NO	HROFDY
A0000095	0	0.14110E-07	618585.6	4178453.3	218.5	10.98	46.03	9.10	49.24	2.55	NO	HROFDY
A0000096	0	0.14110E-07	618615.7	4178418.4	218.2	10.98	46.03	9.10	49.24	2.55	NO	HROFDY
A0000097	0	0.14110E-07	618646.2	4178383.1	219.0	10.98	54.51	9.10	41.42	2.55	NO	HROFDY
A0000098	0	0.14110E-07	618688.0	4178346.4	218.6	10.98	48.38	9.10	26.56	2.55	NO	HROFDY
A0000099	0	0.14110E-07	618731.5	4178324.6	219.0	10.98	54.93	9.10	23.20	2.55	NO	HROFDY
A0000100	0	0.14110E-07	618783.1	4178302.7	216.0	10.98	63.24	9.10	8.75	2.55	NO	HROFDY
A0000101	0	0.14110E-07	618845.1	4178293.2	213.5	10.98	64.73	9.10	15.07	2.55	NO	HROFDY
A0000102	0	0.14110E-07	618907.0	4178276.6	214.3	10.98	71.03	9.10	23.96	2.55	NO	HROFDY
A0000103	0	0.14110E-07	618971.2	4178248.1	215.7	10.98	55.35	9.10	34.38	2.55	NO	HROFDY
A0000104	0	0.14110E-07	619017.0	4178216.8	213.7	10.98	71.36	9.10	32.62	2.55	NO	HROFDY
A0000105	0	0.14110E-07	619077.6	4178178.0	211.3	10.98	55.92	9.10	25.46	2.55	NO	HROFDY
A0000106	0	0.14110E-07	619129.4	4178153.6	209.3	10.98	51.00	9.10	8.13	2.55	NO	HROFDY
A0000107	0	0.14110E-07	619181.0	4178146.4	210.9	10.98	41.15	9.10	-6.71	2.55	NO	HROFDY
A0000108	0	0.14110E-07	619222.8	4178151.4	209.9	10.98	60.82	9.10	-18.43	2.55	NO	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	A0000001 , A0000002 , A0000003 , A0000004 , A0000005 , A0000006 , A0000007 , A0000008 ,
	A0000009 , A0000010 , A0000011 , A0000012 , A0000013 , A0000014 , A0000015 , A0000016 ,
	A0000017 , A0000018 , A0000019 , A0000020 , A0000021 , A0000022 , A0000023 , A0000024 ,
	A0000025 , A0000026 , A0000027 , A0000028 , A0000029 , A0000030 , A0000031 , A0000032 ,
	A0000033 , A0000034 , A0000035 , A0000036 , A0000037 , A0000038 , A0000039 , A0000040 ,
	A0000041 , A0000042 , A0000043 , A0000044 , A0000045 , A0000046 , A0000047 , A0000048 ,
	A0000049 , A0000050 , A0000051 , A0000052 , A0000053 , A0000054 , A0000055 , A0000056 ,
	A0000057 , A0000058 , A0000059 , A0000060 , A0000061 , A0000062 , A0000063 , A0000064 ,
	A0000065 , A0000066 , A0000067 , A0000068 , A0000069 , A0000070 , A0000071 , A0000072 ,
	A0000073 , A0000074 , A0000075 , A0000076 , A0000077 , A0000078 , A0000079 , A0000080 ,
	A0000081 , A0000082 , A0000083 , A0000084 , A0000085 , A0000086 , A0000087 , A0000088 ,
	A0000089 , A0000090 , A0000091 , A0000092 , A0000093 , A0000094 , A0000095 , A0000096 ,
	A0000097 , A0000098 , A0000099 , A0000100 , A0000101 , A0000102 , A0000103 , A0000104 ,
	A0000105 , A0000106 , A0000107 , A0000108 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000001 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000002 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000003 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000004 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000005 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000006 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000007 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000008 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000009 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000010 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SOURCE ID = A0000011 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = A0000012 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = A0000013 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = A0000014 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = A0000015 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000016 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000017 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000018 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000019 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000020 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000021 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000022 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000023 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000024 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000025 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000026 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000027 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000028 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000029 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000030 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000031 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000032 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000033 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000034 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000035 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000036 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000037 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000038 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000039 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000040 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000041 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000042 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000043 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000044 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000045 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000046 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000047 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000048 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000049 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000050 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000051 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000052 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000053 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000054 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000055 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000056 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000057 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000058 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000059 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000060 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000061 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000062 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000063 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000064 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000065 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000066 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000067 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000068 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000069 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000070 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000071 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000072 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000073 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000074 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000075 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000076 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000077 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000078 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000079 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000080 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000081 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000082 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000083 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000084 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000085 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000086 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000087 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000088 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000089 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000090 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000091 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000092 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000093 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000094 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000095 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000096 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000097 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000098 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000099 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000100 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000101 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000102 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000103 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000104 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000105 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000106 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000107 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000108 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(617902.0, 4178221.0, 229.6, 380.5, 0.0); (617787.0, 4178076.0, 231.9, 380.5, 0.0);
(617235.0, 4177277.0, 224.5, 377.8, 0.0);

```
*** MODELOPTs:    NonDFAULT  CONC  ELEV  FASTAREA  RURAL

                                        *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                           (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1

               NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.


                              *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                                       (METERS/SEC)

                                             1.54,   3.09,   5.14,   8.23,  10.80,
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\..\..\..\metdata\AQMD\724927_Livermore\724927.SFC Met Version: 14134
Profile file: ..\..\..\..\metdata\AQMD\724927_Livermore\724927.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23285 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2009 Year: 2009

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
09	01	01	1	01	-12.6	0.221	-9.000	-9.000	-999.	250.	77.5	0.11	0.90	1.00	2.86	51.	10.0	279.2	2.0
09	01	01	1	02	-23.5	0.413	-9.000	-9.000	-999.	637.	269.8	0.11	0.90	1.00	4.86	48.	10.0	279.2	2.0
09	01	01	1	03	-11.1	0.195	-9.000	-9.000	-999.	254.	59.8	0.07	0.90	1.00	2.86	94.	10.0	278.8	2.0
09	01	01	1	04	-9.5	0.166	-9.000	-9.000	-999.	164.	43.7	0.11	0.90	1.00	2.36	53.	10.0	278.1	2.0
09	01	01	1	05	-11.1	0.195	-9.000	-9.000	-999.	206.	59.6	0.07	0.90	1.00	2.86	63.	10.0	278.1	2.0
09	01	01	1	06	-8.2	0.143	-9.000	-9.000	-999.	131.	32.3	0.07	0.90	1.00	2.36	72.	10.0	278.1	2.0
09	01	01	1	07	-8.2	0.143	-9.000	-9.000	-999.	130.	32.3	0.07	0.90	1.00	2.36	75.	10.0	278.1	2.0
09	01	01	1	08	-4.1	0.078	-9.000	-9.000	-999.	53.	10.3	0.11	0.90	0.75	1.76	13.	10.0	277.5	2.0
09	01	01	1	09	-6.3	0.246	-9.000	-9.000	-999.	292.	211.6	0.12	0.90	0.40	2.86	347.	10.0	278.1	2.0
09	01	01	1	10	6.6	0.303	0.261	0.016	96.	401.	-378.3	0.11	0.90	0.27	3.36	51.	10.0	278.8	2.0
09	01	01	1	11	15.4	0.317	0.422	0.017	176.	429.	-186.8	0.07	0.90	0.23	3.86	94.	10.0	279.9	2.0
09	01	01	1	12	47.5	0.448	0.742	0.017	309.	720.	-170.5	0.11	0.90	0.22	4.86	56.	10.0	280.9	2.0
09	01	01	1	13	49.0	0.405	0.820	0.014	403.	621.	-122.0	0.07	0.90	0.21	4.86	63.	10.0	281.4	2.0
09	01	01	1	14	42.7	0.405	0.809	0.014	444.	619.	-139.5	0.11	0.90	0.22	4.36	59.	10.0	282.0	2.0
09	01	01	1	15	60.8	0.372	0.922	0.014	463.	545.	-75.6	0.07	0.90	0.25	4.36	72.	10.0	281.4	2.0
09	01	01	1	16	14.1	0.309	0.569	0.016	467.	414.	-187.5	0.11	0.90	0.34	3.36	54.	10.0	282.0	2.0
09	01	01	1	17	-30.4	0.311	-9.000	-9.000	-999.	417.	89.1	0.07	0.90	0.58	4.36	61.	10.0	280.4	2.0
09	01	01	1	18	-27.0	0.239	-9.000	-9.000	-999.	282.	45.2	0.11	0.90	1.00	3.36	47.	10.0	279.9	2.0
09	01	01	1	19	-14.9	0.131	-9.000	-9.000	-999.	120.	13.7	0.07	0.90	1.00	2.86	64.	10.0	279.2	2.0
09	01	01	1	20	-5.8	0.078	-9.000	-9.000	-999.	53.	7.3	0.11	0.90	1.00	1.76	47.	10.0	278.8	2.0
09	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	0.90	1.00	0.00	0.	10.0	277.5	2.0
09	01	01	1	22	-4.9	0.070	-9.000	-9.000	-999.	44.	6.2	0.07	0.90	1.00	1.76	82.	10.0	276.4	2.0
09	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	0.90	1.00	0.00	0.	10.0	277.0	2.0
09	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	0.90	1.00	0.00	0.	10.0	277.0	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
09	01	01	01	10.0	1	51.	2.86	279.3	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
617902.00	4178221.00	0.00125	617787.00	4178076.00	0.00088
617235.00	4177277.00	0.00067			

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00125 AT	(617902.00, 4178221.00, 229.64, 380.47, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00088 AT	(617787.00, 4178076.00, 231.88, 380.47, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00067 AT	(617235.00, 4177277.00, 224.48, 377.83, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	5TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	6TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	7TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	8TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	9TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	10TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   1 Warning Message(s)
A Total of   15235 Informational Message(s)

A Total of   43872 Hours Were Processed

A Total of   13448 Calm Hours Identified

A Total of   1787 Missing Hours Identified (4.07 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
MX W481   43873   MAIN: Data Remaining After End of Year. Number of Hours=   48

   ****
   *** AERMOD Finishes Successfully ***
   ****

```
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE Valley Link: Altamont Segment, 2040 Annual Operation DPM
   MODELOPT CONC FASTAREA
   AVERTIME ANNUAL
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL Altamont_operation_2040_DPM.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = ALTAMONT_D
** DESCRSRC Altamont Segment - Day Time
** PREFIX
** Length of Side = 9.10
** Ratio = 10
** Vertical Dimension = 1.37
** Emission Rate = 1.6376E-08
** Nodes = 44
** 617021.567, 4177040.179, 221.92, 5.87
** 617038.396, 4177133.941, 220.38, 5.87
** 617050.417, 4177203.662, 219.92, 5.87
** 617060.033, 4177273.382, 220.50, 5.87
** 617067.246, 4177343.103, 219.88, 5.87
** 617079.267, 4177405.611, 220.28, 5.87
** 617093.692, 4177472.928, 220.91, 5.87
** 617122.541, 4177581.115, 221.40, 5.87
** 617170.625, 4177686.898, 222.23, 5.87
** 617235.537, 4177792.681, 221.80, 5.87
** 617314.874, 4177884.039, 223.11, 5.87
** 617374.978, 4177939.335, 225.58, 5.87
** 617425.466, 4177977.802, 225.25, 5.87
** 617504.803, 4178035.502, 224.15, 5.87
** 617644.244, 4178136.476, 225.43, 5.87
** 617783.686, 4178235.047, 225.78, 5.87
** 617901.490, 4178316.788, 224.09, 5.87
** 617992.848, 4178379.297, 223.73, 5.87
** 618064.973, 4178424.976, 223.41, 5.87
** 618117.864, 4178458.634, 222.48, 5.87
** 618146.714, 4178480.271, 222.65, 5.87
** 618187.585, 4178492.292, 221.73, 5.87
** 618240.476, 4178516.334, 221.26, 5.87
** 618281.347, 4178525.951, 223.35, 5.87
** 618324.622, 4178533.163, 221.31, 5.87
** 618375.110, 4178540.375, 219.52, 5.87
** 618408.768, 4178540.375, 219.29, 5.87
** 618442.426, 4178537.971, 220.46, 5.87
** 618504.934, 4178528.355, 218.79, 5.87
** 618545.805, 4178501.909, 217.31, 5.87
** 618589.080, 4178456.230, 218.82, 5.87
** 618649.184, 4178386.509, 219.69, 5.87
** 618690.055, 4178350.447, 216.67, 5.87
** 618733.330, 4178328.809, 220.53, 5.87
** 618783.817, 4178307.172, 216.44, 5.87
** 618846.325, 4178297.555, 214.05, 5.87
** 618908.833, 4178280.726, 213.63, 5.87
** 618973.746, 4178251.876, 212.73, 5.87
** 619019.425, 4178220.622, 212.24, 5.87
** 619079.529, 4178182.155, 210.27, 5.87
** 619130.016, 4178158.114, 209.58, 5.87
** 619180.504, 4178150.901, 209.53, 5.87
** 619221.374, 4178155.710, 209.41, 5.87
** 619279.074, 4178174.943, 209.05, 5.87
** ------------------------------------------------------------------------
   LOCATION A0000001     AREA     617026.045 4177039.375 220.96
   LOCATION A0000002     AREA     617034.460 4177086.256 221.14
   LOCATION A0000003     AREA     617042.880 4177133.168 220.89
   LOCATION A0000004     AREA     617054.924 4177203.040 220.13
   LOCATION A0000005     AREA     617064.559 4177272.914 220.56
   LOCATION A0000006     AREA     617071.714 4177342.244 220.71
   LOCATION A0000007     AREA     617083.716 4177404.658 220.76
   LOCATION A0000008     AREA     617098.088 4177471.756 220.67
   LOCATION A0000009     AREA     617112.513 4177525.849 220.95
   LOCATION A0000010     AREA     617126.684 4177579.232 221.55
   LOCATION A0000011     AREA     617150.725 4177632.124 222.41
   LOCATION A0000012     AREA     617174.503 4177684.519 222.33
   LOCATION A0000013     AREA     617206.959 4177737.410 222.70
   LOCATION A0000014     AREA     617238.972 4177789.698 222.50
   LOCATION A0000015     AREA     617278.641 4177835.377 223.57
   LOCATION A0000016     AREA     617317.955 4177880.691 223.44
   LOCATION A0000017     AREA     617377.736 4177935.716 225.18
   LOCATION A0000018     AREA     617428.142 4177974.122 225.89
```

```
   LOCATION A0000019     AREA     617467.811 4178002.972 224.68
   LOCATION A0000020     AREA     617507.472 4178031.816 224.49
   LOCATION A0000021     AREA     617577.192 4178082.304 224.82
   LOCATION A0000022     AREA     617646.871 4178132.761 225.44
   LOCATION A0000023     AREA     617716.592 4178182.046 225.83
   LOCATION A0000024     AREA     617786.280 4178231.309 225.41
   LOCATION A0000025     AREA     617845.182 4178272.180 224.86
   LOCATION A0000026     AREA     617904.059 4178313.033 223.84
   LOCATION A0000027     AREA     617949.738 4178344.287 223.63
   LOCATION A0000028     AREA     617995.282 4178375.453 223.08
   LOCATION A0000029     AREA     618067.415 4178421.137 223.53
   LOCATION A0000030     AREA     618120.594 4178454.994 222.60
   LOCATION A0000031     AREA     618147.998 4178475.906 222.41
   LOCATION A0000032     AREA     618189.468 4178488.150 223.44
   LOCATION A0000033     AREA     618241.519 4178511.905 222.27
   LOCATION A0000034     AREA     618282.095 4178521.462 222.55
   LOCATION A0000035     AREA     618325.266 4178528.659 221.99
   LOCATION A0000036     AREA     618375.110 4178535.825 220.52
   LOCATION A0000037     AREA     618408.444 4178535.837 220.23
   LOCATION A0000038     AREA     618441.734 4178533.474 219.91
   LOCATION A0000039     AREA     618502.462 4178524.535 218.43
   LOCATION A0000040     AREA     618542.502 4178498.780 219.40
   LOCATION A0000041     AREA     618585.634 4178453.259 218.48
   LOCATION A0000042     AREA     618615.686 4178418.399 218.21
   LOCATION A0000043     AREA     618646.174 4178383.097 218.97
   LOCATION A0000044     AREA     618688.020 4178346.377 218.59
   LOCATION A0000045     AREA     618731.537 4178324.627 218.97
   LOCATION A0000046     AREA     618783.125 4178302.675 216.03
   LOCATION A0000047     AREA     618845.142 4178293.162 213.48
   LOCATION A0000048     AREA     618906.985 4178276.568 214.30
   LOCATION A0000049     AREA     618971.176 4178248.121 215.66
   LOCATION A0000050     AREA     619016.972 4178216.790 213.70
   LOCATION A0000051     AREA     619077.573 4178178.047 211.30
   LOCATION A0000052     AREA     619129.373 4178153.610 209.34
   LOCATION A0000053     AREA     619181.035 4178146.383 210.91
   LOCATION A0000054     AREA     619222.813 4178151.393 209.94
** End of LINE AREA Source ID = ALTAMONT_D
** ----------------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = ALTAMONT_N
** DESCRSRC Altamont Segment - Night Time
** PREFIX
** Length of Side = 9.10
** Ratio = 10
** Vertical Dimension = 2.55
** Emission Rate = 1.6376E-08
** Nodes = 44
** 617021.567, 4177040.179, 221.92, 10.98
** 617038.396, 4177133.941, 220.38, 10.98
** 617050.417, 4177203.662, 219.92, 10.98
** 617060.033, 4177273.382, 220.50, 10.98
** 617067.246, 4177343.103, 219.88, 10.98
** 617079.267, 4177405.611, 220.28, 10.98
** 617093.692, 4177472.928, 220.91, 10.98
** 617122.541, 4177581.115, 221.40, 10.98
** 617170.625, 4177686.898, 222.23, 10.98
** 617235.537, 4177792.681, 221.80, 10.98
** 617314.874, 4177884.039, 223.11, 10.98
** 617374.978, 4177939.335, 225.58, 10.98
** 617425.466, 4177977.802, 225.25, 10.98
** 617504.803, 4178035.502, 224.15, 10.98
** 617644.244, 4178136.476, 225.43, 10.98
** 617783.686, 4178235.047, 225.78, 10.98
** 617901.490, 4178316.788, 224.09, 10.98
** 617992.848, 4178379.297, 223.73, 10.98
** 618064.973, 4178424.976, 223.41, 10.98
** 618117.864, 4178458.634, 222.48, 10.98
** 618146.714, 4178480.271, 222.65, 10.98
** 618187.585, 4178492.292, 221.73, 10.98
** 618240.476, 4178516.334, 221.26, 10.98
** 618281.347, 4178525.951, 223.35, 10.98
** 618324.622, 4178533.163, 221.31, 10.98
** 618375.110, 4178540.375, 219.52, 10.98
** 618408.768, 4178540.375, 219.29, 10.98
** 618442.426, 4178537.971, 220.46, 10.98
** 618504.934, 4178528.355, 218.79, 10.98
** 618545.805, 4178501.909, 217.31, 10.98
** 618589.080, 4178456.230, 218.82, 10.98
** 618649.184, 4178386.509, 219.69, 10.98
** 618690.055, 4178350.447, 216.67, 10.98
** 618733.330, 4178328.809, 220.53, 10.98
** 618783.817, 4178307.172, 216.44, 10.98
** 618846.325, 4178297.555, 214.05, 10.98
** 618908.833, 4178280.726, 213.63, 10.98
** 618973.746, 4178251.876, 212.73, 10.98
** 619019.425, 4178220.622, 212.24, 10.98
** 619079.529, 4178182.155, 210.27, 10.98
** 619130.016, 4178158.114, 209.58, 10.98
** 619180.504, 4178150.901, 209.53, 10.98
** 619221.374, 4178155.710, 209.41, 10.98
** 619279.074, 4178174.943, 209.05, 10.98
** ----------------------------------------------------------------------
   LOCATION A0000055     AREA     617026.045 4177039.375 220.96
   LOCATION A0000056     AREA     617034.460 4177086.256 221.14
   LOCATION A0000057     AREA     617042.880 4177133.168 220.89
```

```
   LOCATION A0000058     AREA     617054.924 4177203.040 220.13
   LOCATION A0000059     AREA     617064.559 4177272.914 220.56
   LOCATION A0000060     AREA     617071.714 4177342.244 220.71
   LOCATION A0000061     AREA     617083.716 4177404.658 220.76
   LOCATION A0000062     AREA     617098.088 4177471.756 220.67
   LOCATION A0000063     AREA     617112.513 4177525.849 220.95
   LOCATION A0000064     AREA     617126.684 4177579.232 221.55
   LOCATION A0000065     AREA     617150.725 4177632.124 222.41
   LOCATION A0000066     AREA     617174.503 4177684.519 222.33
   LOCATION A0000067     AREA     617206.959 4177737.410 222.70
   LOCATION A0000068     AREA     617238.972 4177789.698 222.50
   LOCATION A0000069     AREA     617278.641 4177835.377 223.57
   LOCATION A0000070     AREA     617317.955 4177880.691 223.44
   LOCATION A0000071     AREA     617377.736 4177935.716 225.18
   LOCATION A0000072     AREA     617428.142 4177974.122 225.89
   LOCATION A0000073     AREA     617467.811 4178002.972 224.68
   LOCATION A0000074     AREA     617507.472 4178031.816 224.49
   LOCATION A0000075     AREA     617577.192 4178082.304 224.82
   LOCATION A0000076     AREA     617646.871 4178132.761 225.44
   LOCATION A0000077     AREA     617716.592 4178182.046 225.83
   LOCATION A0000078     AREA     617786.280 4178231.309 225.41
   LOCATION A0000079     AREA     617845.182 4178272.180 224.86
   LOCATION A0000080     AREA     617904.059 4178313.033 223.84
   LOCATION A0000081     AREA     617949.738 4178344.287 223.63
   LOCATION A0000082     AREA     617995.282 4178375.453 223.08
   LOCATION A0000083     AREA     618067.415 4178421.137 223.53
   LOCATION A0000084     AREA     618120.594 4178454.994 222.60
   LOCATION A0000085     AREA     618147.998 4178475.906 222.41
   LOCATION A0000086     AREA     618189.468 4178488.150 223.44
   LOCATION A0000087     AREA     618241.519 4178511.905 222.27
   LOCATION A0000088     AREA     618282.095 4178521.462 222.55
   LOCATION A0000089     AREA     618325.266 4178528.659 221.99
   LOCATION A0000090     AREA     618375.110 4178535.825 220.52
   LOCATION A0000091     AREA     618408.444 4178535.837 220.23
   LOCATION A0000092     AREA     618441.734 4178533.474 219.91
   LOCATION A0000093     AREA     618502.462 4178524.535 218.43
   LOCATION A0000094     AREA     618542.502 4178498.780 219.40
   LOCATION A0000095     AREA     618585.634 4178453.259 218.48
   LOCATION A0000096     AREA     618615.686 4178418.399 218.21
   LOCATION A0000097     AREA     618646.174 4178383.097 218.97
   LOCATION A0000098     AREA     618688.020 4178346.377 218.59
   LOCATION A0000099     AREA     618731.537 4178324.627 218.97
   LOCATION A0000100     AREA     618783.125 4178302.675 216.03
   LOCATION A0000101     AREA     618845.142 4178293.162 213.48
   LOCATION A0000102     AREA     618906.985 4178276.568 214.30
   LOCATION A0000103     AREA     618971.176 4178248.121 215.66
   LOCATION A0000104     AREA     619016.972 4178216.790 213.70
   LOCATION A0000105     AREA     619077.573 4178178.047 211.30
   LOCATION A0000106     AREA     619129.373 4178153.610 209.34
   LOCATION A0000107     AREA     619181.035 4178146.383 210.91
   LOCATION A0000108     AREA     619222.813 4178151.393 209.94
** End of LINE AREA Source ID = ALTAMONT_N
** Source Parameters **
** LINE AREA Source ID = ALTAMONT_D
   SRCPARAM A0000001     1.6376E-08     5.870    47.630     9.100   -79.824     1.370
   SRCPARAM A0000002     1.6376E-08     5.870    47.630     9.100   -79.824     1.370
   SRCPARAM A0000003     1.6376E-08     5.870    70.749     9.100   -80.218     1.370
   SRCPARAM A0000004     1.6376E-08     5.870    70.381     9.100   -82.147     1.370
   SRCPARAM A0000005     1.6376E-08     5.870    70.093     9.100   -84.094     1.370
   SRCPARAM A0000006     1.6376E-08     5.870    63.654     9.100   -79.114     1.370
   SRCPARAM A0000007     1.6376E-08     5.870    68.845     9.100   -77.905     1.370
   SRCPARAM A0000008     1.6376E-08     5.870    55.984     9.100   -75.069     1.370
   SRCPARAM A0000009     1.6376E-08     5.870    55.984     9.100   -75.069     1.370
   SRCPARAM A0000010     1.6376E-08     5.870    58.099     9.100   -65.556     1.370
   SRCPARAM A0000011     1.6376E-08     5.870    58.099     9.100   -65.556     1.370
   SRCPARAM A0000012     1.6376E-08     5.870    62.056     9.100   -58.465     1.370
   SRCPARAM A0000013     1.6376E-08     5.870    62.056     9.100   -58.465     1.370
   SRCPARAM A0000014     1.6376E-08     5.870    60.499     9.100   -49.028     1.370
   SRCPARAM A0000015     1.6376E-08     5.870    60.499     9.100   -49.028     1.370
   SRCPARAM A0000016     1.6376E-08     5.870    81.671     9.100   -42.614     1.370
   SRCPARAM A0000017     1.6376E-08     5.870    63.472     9.100   -37.304     1.370
   SRCPARAM A0000018     1.6376E-08     5.870    49.050     9.100   -36.027     1.370
   SRCPARAM A0000019     1.6376E-08     5.870    49.050     9.100   -36.027     1.370
   SRCPARAM A0000020     1.6376E-08     5.870    86.081     9.100   -35.910     1.370
   SRCPARAM A0000021     1.6376E-08     5.870    86.081     9.100   -35.910     1.370
   SRCPARAM A0000022     1.6376E-08     5.870    85.382     9.100   -35.256     1.370
   SRCPARAM A0000023     1.6376E-08     5.870    85.382     9.100   -35.256     1.370
   SRCPARAM A0000024     1.6376E-08     5.870    71.693     9.100   -34.756     1.370
   SRCPARAM A0000025     1.6376E-08     5.870    71.693     9.100   -34.756     1.370
   SRCPARAM A0000026     1.6376E-08     5.870    55.348     9.100   -34.380     1.370
   SRCPARAM A0000027     1.6376E-08     5.870    55.348     9.100   -34.380     1.370
   SRCPARAM A0000028     1.6376E-08     5.870    85.373     9.100   -32.347     1.370
   SRCPARAM A0000029     1.6376E-08     5.870    62.693     9.100   -32.471     1.370
   SRCPARAM A0000030     1.6376E-08     5.870    36.062     9.100   -36.870     1.370
   SRCPARAM A0000031     1.6376E-08     5.870    42.602     9.100   -16.390     1.370
   SRCPARAM A0000032     1.6376E-08     5.870    58.099     9.100   -24.444     1.370
   SRCPARAM A0000033     1.6376E-08     5.870    41.987     9.100   -13.241     1.370
   SRCPARAM A0000034     1.6376E-08     5.870    43.872     9.100    -9.462     1.370
   SRCPARAM A0000035     1.6376E-08     5.870    51.000     9.100    -8.130     1.370
   SRCPARAM A0000036     1.6376E-08     5.870    33.658     9.100     0.000     1.370
   SRCPARAM A0000037     1.6376E-08     5.870    33.744     9.100     4.086     1.370
   SRCPARAM A0000038     1.6376E-08     5.870    63.244     9.100     8.746     1.370
   SRCPARAM A0000039     1.6376E-08     5.870    48.681     9.100    32.905     1.370
   SRCPARAM A0000040     1.6376E-08     5.870    62.923     9.100    46.548     1.370
   SRCPARAM A0000041     1.6376E-08     5.870    46.026     9.100    49.236     1.370
```

```
   SRCPARAM A0000042     1.6376E-08     5.870    46.026     9.100    49.236     1.370
   SRCPARAM A0000043     1.6376E-08     5.870    54.506     9.100    41.424     1.370
   SRCPARAM A0000044     1.6376E-08     5.870    48.383     9.100    26.565     1.370
   SRCPARAM A0000045     1.6376E-08     5.870    54.929     9.100    23.199     1.370
   SRCPARAM A0000046     1.6376E-08     5.870    63.244     9.100     8.746     1.370
   SRCPARAM A0000047     1.6376E-08     5.870    64.734     9.100    15.068     1.370
   SRCPARAM A0000048     1.6376E-08     5.870    71.035     9.100    23.962     1.370
   SRCPARAM A0000049     1.6376E-08     5.870    55.348     9.100    34.380     1.370
   SRCPARAM A0000050     1.6376E-08     5.870    71.359     9.100    32.619     1.370
   SRCPARAM A0000051     1.6376E-08     5.870    55.919     9.100    25.463     1.370
   SRCPARAM A0000052     1.6376E-08     5.870    51.000     9.100     8.130     1.370
   SRCPARAM A0000053     1.6376E-08     5.870    41.153     9.100    -6.710     1.370
   SRCPARAM A0000054     1.6376E-08     5.870    60.821     9.100   -18.435     1.370
** ------------------------------------------------------------------------
** LINE AREA Source ID = ALTAMONT_N
   SRCPARAM A0000055     1.6376E-08    10.980    47.630     9.100   -79.824     2.550
   SRCPARAM A0000056     1.6376E-08    10.980    47.630     9.100   -79.824     2.550
   SRCPARAM A0000057     1.6376E-08    10.980    70.749     9.100   -80.218     2.550
   SRCPARAM A0000058     1.6376E-08    10.980    70.381     9.100   -82.147     2.550
   SRCPARAM A0000059     1.6376E-08    10.980    70.093     9.100   -84.094     2.550
   SRCPARAM A0000060     1.6376E-08    10.980    63.654     9.100   -79.114     2.550
   SRCPARAM A0000061     1.6376E-08    10.980    68.845     9.100   -77.905     2.550
   SRCPARAM A0000062     1.6376E-08    10.980    55.984     9.100   -75.069     2.550
   SRCPARAM A0000063     1.6376E-08    10.980    55.984     9.100   -75.069     2.550
   SRCPARAM A0000064     1.6376E-08    10.980    58.099     9.100   -65.556     2.550
   SRCPARAM A0000065     1.6376E-08    10.980    58.099     9.100   -65.556     2.550
   SRCPARAM A0000066     1.6376E-08    10.980    62.056     9.100   -58.465     2.550
   SRCPARAM A0000067     1.6376E-08    10.980    62.056     9.100   -58.465     2.550
   SRCPARAM A0000068     1.6376E-08    10.980    60.499     9.100   -49.028     2.550
   SRCPARAM A0000069     1.6376E-08    10.980    60.499     9.100   -49.028     2.550
   SRCPARAM A0000070     1.6376E-08    10.980    81.671     9.100   -42.614     2.550
   SRCPARAM A0000071     1.6376E-08    10.980    63.472     9.100   -37.304     2.550
   SRCPARAM A0000072     1.6376E-08    10.980    49.050     9.100   -36.027     2.550
   SRCPARAM A0000073     1.6376E-08    10.980    49.050     9.100   -36.027     2.550
   SRCPARAM A0000074     1.6376E-08    10.980    86.081     9.100   -35.910     2.550
   SRCPARAM A0000075     1.6376E-08    10.980    86.081     9.100   -35.910     2.550
   SRCPARAM A0000076     1.6376E-08    10.980    85.382     9.100   -35.256     2.550
   SRCPARAM A0000077     1.6376E-08    10.980    85.382     9.100   -35.256     2.550
   SRCPARAM A0000078     1.6376E-08    10.980    71.693     9.100   -34.756     2.550
   SRCPARAM A0000079     1.6376E-08    10.980    71.693     9.100   -34.756     2.550
   SRCPARAM A0000080     1.6376E-08    10.980    55.348     9.100   -34.380     2.550
   SRCPARAM A0000081     1.6376E-08    10.980    55.348     9.100   -34.380     2.550
   SRCPARAM A0000082     1.6376E-08    10.980    85.373     9.100   -32.347     2.550
   SRCPARAM A0000083     1.6376E-08    10.980    62.693     9.100   -32.471     2.550
   SRCPARAM A0000084     1.6376E-08    10.980    36.062     9.100   -36.870     2.550
   SRCPARAM A0000085     1.6376E-08    10.980    42.602     9.100   -16.390     2.550
   SRCPARAM A0000086     1.6376E-08    10.980    58.099     9.100   -24.444     2.550
   SRCPARAM A0000087     1.6376E-08    10.980    41.987     9.100   -13.241     2.550
   SRCPARAM A0000088     1.6376E-08    10.980    43.872     9.100    -9.462     2.550
   SRCPARAM A0000089     1.6376E-08    10.980    51.000     9.100    -8.130     2.550
   SRCPARAM A0000090     1.6376E-08    10.980    33.658     9.100     0.000     2.550
   SRCPARAM A0000091     1.6376E-08    10.980    33.744     9.100     4.086     2.550
   SRCPARAM A0000092     1.6376E-08    10.980    63.244     9.100     8.746     2.550
   SRCPARAM A0000093     1.6376E-08    10.980    48.681     9.100    32.905     2.550
   SRCPARAM A0000094     1.6376E-08    10.980    62.923     9.100    46.548     2.550
   SRCPARAM A0000095     1.6376E-08    10.980    46.026     9.100    49.236     2.550
   SRCPARAM A0000096     1.6376E-08    10.980    46.026     9.100    49.236     2.550
   SRCPARAM A0000097     1.6376E-08    10.980    54.506     9.100    41.424     2.550
   SRCPARAM A0000098     1.6376E-08    10.980    48.383     9.100    26.565     2.550
   SRCPARAM A0000099     1.6376E-08    10.980    54.929     9.100    23.199     2.550
   SRCPARAM A0000100     1.6376E-08    10.980    63.244     9.100     8.746     2.550
   SRCPARAM A0000101     1.6376E-08    10.980    64.734     9.100    15.068     2.550
   SRCPARAM A0000102     1.6376E-08    10.980    71.035     9.100    23.962     2.550
   SRCPARAM A0000103     1.6376E-08    10.980    55.348     9.100    34.380     2.550
   SRCPARAM A0000104     1.6376E-08    10.980    71.359     9.100    32.619     2.550
   SRCPARAM A0000105     1.6376E-08    10.980    55.919     9.100    25.463     2.550
   SRCPARAM A0000106     1.6376E-08    10.980    51.000     9.100     8.130     2.550
   SRCPARAM A0000107     1.6376E-08    10.980    41.153     9.100    -6.710     2.550
   SRCPARAM A0000108     1.6376E-08    10.980    60.821     9.100   -18.435     2.550
** ------------------------------------------------------------------------

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Day"
   EMISFACT A0000001     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000001     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000001     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000001     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000002     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000002     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000002     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000002     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000003     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000003     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000003     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000003     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000004     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000004     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000004     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000004     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000005     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000005     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000005     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000005     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000006     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000006     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
```

```
EMISFACT A0000006     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000006     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000007     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000007     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000007     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000007     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000008     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000008     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000008     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000008     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000009     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000009     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000009     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000009     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000010     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000010     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000010     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000010     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000011     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000011     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000011     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000011     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000012     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000012     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000012     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000012     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000013     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000013     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000013     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000013     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000014     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000014     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000014     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000014     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000015     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000015     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000015     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000015     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000016     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000016     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000016     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000016     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000017     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000017     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000017     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000017     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000018     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000018     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000018     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000018     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000019     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000019     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000019     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000019     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000020     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000020     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000020     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000020     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000021     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000021     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000021     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000021     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000022     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000022     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000022     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000022     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000023     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000023     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000023     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000023     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000024     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000024     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000024     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000024     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000025     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000025     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000025     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000025     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000026     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000026     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000026     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000026     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000027     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000027     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000027     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000027     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000028     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000028     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000028     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000028     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000029     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000029     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000029     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000029     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000030     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT A0000030     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000030     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000030     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000031     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000031     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000031     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000031     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000032     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000032     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000032     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000032     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000033     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000033     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000033     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000033     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000034     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000034     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000034     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000034     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000035     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000035     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000035     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000035     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000036     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000036     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000036     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000036     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000037     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000037     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000037     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000037     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000038     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000038     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000038     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000038     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000039     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000039     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000039     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000039     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000040     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000040     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000040     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000040     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000041     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000041     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000041     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000041     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000042     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000042     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000042     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000042     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000043     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000043     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000043     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000043     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000044     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000044     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000044     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000044     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000045     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000045     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000045     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000045     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000046     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000046     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000046     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000046     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000047     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000047     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000047     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000047     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000048     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000048     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000048     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000048     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000049     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000049     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000049     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000049     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000050     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000050     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000050     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000050     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000051     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000051     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000051     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000051     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000052     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000052     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000052     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000052     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000053     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000053     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000053     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000053     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000054     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000054     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000054     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Night"
   EMISFACT A0000055     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000055     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000055     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000056     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000056     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000057     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000057     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000058     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000058     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000059     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000059     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000060     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000060     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000061     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000061     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000062     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000062     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000063     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000063     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000064     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000064     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000065     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000065     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000066     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000066     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000067     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000067     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000068     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000068     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000069     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000069     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000070     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000070     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000071     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000071     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000072     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000072     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000072     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000072     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000073     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000073     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000073     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000073     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000074     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000074     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000074     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000074     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000075     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000075     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000075     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000075     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000076     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000076     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000076     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000076     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
```

```
EMISFACT A0000077     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000077     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000077     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000077     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000078     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000078     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000078     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000078     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000079     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000079     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000079     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000079     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000080     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000080     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000080     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000080     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000081     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000081     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000081     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000081     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000082     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000082     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000082     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000082     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000083     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000083     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000083     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000083     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000084     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000084     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000084     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000084     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000085     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000085     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000085     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000085     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000086     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000086     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000086     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000086     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000087     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000087     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000087     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000087     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000088     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000088     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000088     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000088     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000089     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000089     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000089     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000089     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000090     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000090     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000090     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000090     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000091     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000091     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000091     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000091     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000092     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000092     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000092     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000092     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000093     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000093     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000093     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000093     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000094     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000094     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000094     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000094     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000095     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000095     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000095     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000095     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000096     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000096     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000096     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000096     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000097     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000097     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000097     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000097     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000098     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000098     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000098     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000098     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000099     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000099     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000099     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000099     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000100     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000100     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000100     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
```

```
   EMISFACT A0000100     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000101     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000101     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000101     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000101     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000102     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000102     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000102     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000102     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000103     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000103     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000103     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000103     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000104     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000104     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000104     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000104     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000105     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000105     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000105     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000105     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000106     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000106     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000106     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000106     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000107     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000107     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000107     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000107     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000108     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000108     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000108     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000108     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
**********************************
** AERMOD Receptor Pathway
**********************************
**
**
RE STARTING
   INCLUDED Altamont_operation_2040_DPM.rou
RE FINISHED
**
**********************************
** AERMOD Meteorology Pathway
**********************************
**
**
ME STARTING
   SURFFILE ..\..\..\..\metdata\AQMD\724927_Livermore\724927.SFC
   PROFFILE ..\..\..\..\metdata\AQMD\724927_Livermore\724927.PFL
   SURFDATA 23285 2009
   UAIRDATA 23230 2009 OAKLAND/WSO_AP
   PROFBASE 137.2 METERS
ME FINISHED
**
**********************************
** AERMOD Output Pathway
**********************************
**
**
OU STARTING
   PLOTFILE ANNUAL ALL ALTAMONT_OPERATION_2040_DPM.AD\Altamont_operation_2040_annuan_DPM.PLT 31
   SUMMFILE Altamont_operation_2040_DPM.sum
OU FINISHED

 ***********************************
 *** SETUP Finishes Successfully ***
 ***********************************
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

**Model Is Setup For Calculation of Average CONCentration Values.

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses RURAL Dispersion Only.

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Full Conversion Assumed for NO2.

**Other Options Specified:
        FASTAREA - Use hybrid approach to optimize AREA sources;
                   also applies to LINE sources (formerly TOXICS option)
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 108 Source(s);   1 Source Group(s); and   3 Receptor(s)

               with: 0 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 0 VOLUME source(s)
                and: 108 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with   0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   137.20 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   3.6 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: Altamont_operation_2040_DPM.err
**File for Summary of Results: Altamont_operation_2040_DPM.sum

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000001	0	0.16376E-07	617026.0	4177039.4	221.0	5.87	47.63	9.10	-79.82	1.37	NO	HROFDY
A0000002	0	0.16376E-07	617034.5	4177086.3	221.1	5.87	47.63	9.10	-79.82	1.37	NO	HROFDY
A0000003	0	0.16376E-07	617042.9	4177133.2	220.9	5.87	70.75	9.10	-80.22	1.37	NO	HROFDY
A0000004	0	0.16376E-07	617054.9	4177203.0	220.1	5.87	70.38	9.10	-82.15	1.37	NO	HROFDY
A0000005	0	0.16376E-07	617064.6	4177272.9	220.6	5.87	70.09	9.10	-84.09	1.37	NO	HROFDY
A0000006	0	0.16376E-07	617071.7	4177342.2	220.7	5.87	63.65	9.10	-79.11	1.37	NO	HROFDY
A0000007	0	0.16376E-07	617083.7	4177404.7	220.8	5.87	68.84	9.10	-77.91	1.37	NO	HROFDY
A0000008	0	0.16376E-07	617098.1	4177471.8	220.7	5.87	55.98	9.10	-75.07	1.37	NO	HROFDY
A0000009	0	0.16376E-07	617112.5	4177525.8	221.0	5.87	55.98	9.10	-75.07	1.37	NO	HROFDY
A0000010	0	0.16376E-07	617126.7	4177579.2	221.6	5.87	58.10	9.10	-65.56	1.37	NO	HROFDY
A0000011	0	0.16376E-07	617150.7	4177632.1	222.4	5.87	58.10	9.10	-65.56	1.37	NO	HROFDY
A0000012	0	0.16376E-07	617174.5	4177684.5	222.3	5.87	62.06	9.10	-58.47	1.37	NO	HROFDY
A0000013	0	0.16376E-07	617207.0	4177737.4	222.7	5.87	62.06	9.10	-58.47	1.37	NO	HROFDY
A0000014	0	0.16376E-07	617239.0	4177789.7	222.5	5.87	60.50	9.10	-49.03	1.37	NO	HROFDY
A0000015	0	0.16376E-07	617278.6	4177835.4	223.6	5.87	60.50	9.10	-49.03	1.37	NO	HROFDY
A0000016	0	0.16376E-07	617318.0	4177880.7	223.4	5.87	81.67	9.10	-42.61	1.37	NO	HROFDY
A0000017	0	0.16376E-07	617377.7	4177935.7	225.2	5.87	63.47	9.10	-37.30	1.37	NO	HROFDY
A0000018	0	0.16376E-07	617428.1	4177974.1	225.9	5.87	49.05	9.10	-36.03	1.37	NO	HROFDY
A0000019	0	0.16376E-07	617467.8	4178003.0	224.7	5.87	49.05	9.10	-36.03	1.37	NO	HROFDY
A0000020	0	0.16376E-07	617507.5	4178031.8	224.5	5.87	86.08	9.10	-35.91	1.37	NO	HROFDY
A0000021	0	0.16376E-07	617577.2	4178082.3	224.8	5.87	86.08	9.10	-35.91	1.37	NO	HROFDY
A0000022	0	0.16376E-07	617646.9	4178132.8	225.4	5.87	85.38	9.10	-35.26	1.37	NO	HROFDY
A0000023	0	0.16376E-07	617716.6	4178182.0	225.8	5.87	85.38	9.10	-35.26	1.37	NO	HROFDY
A0000024	0	0.16376E-07	617786.3	4178231.3	225.4	5.87	71.69	9.10	-34.76	1.37	NO	HROFDY
A0000025	0	0.16376E-07	617845.2	4178272.2	224.9	5.87	71.69	9.10	-34.76	1.37	NO	HROFDY
A0000026	0	0.16376E-07	617904.1	4178313.0	223.8	5.87	55.35	9.10	-34.38	1.37	NO	HROFDY
A0000027	0	0.16376E-07	617949.7	4178344.3	223.6	5.87	55.35	9.10	-34.38	1.37	NO	HROFDY
A0000028	0	0.16376E-07	617995.3	4178375.5	223.1	5.87	85.37	9.10	-32.35	1.37	NO	HROFDY
A0000029	0	0.16376E-07	618067.4	4178421.1	223.5	5.87	62.69	9.10	-32.47	1.37	NO	HROFDY
A0000030	0	0.16376E-07	618120.6	4178455.0	222.6	5.87	36.06	9.10	-36.87	1.37	NO	HROFDY
A0000031	0	0.16376E-07	618148.0	4178475.9	222.4	5.87	42.60	9.10	-16.39	1.37	NO	HROFDY
A0000032	0	0.16376E-07	618189.5	4178488.1	223.4	5.87	58.10	9.10	-24.44	1.37	NO	HROFDY
A0000033	0	0.16376E-07	618241.5	4178511.9	222.3	5.87	41.99	9.10	-13.24	1.37	NO	HROFDY
A0000034	0	0.16376E-07	618282.1	4178521.5	222.6	5.87	43.87	9.10	-9.46	1.37	NO	HROFDY
A0000035	0	0.16376E-07	618325.3	4178528.7	222.0	5.87	51.00	9.10	-8.13	1.37	NO	HROFDY
A0000036	0	0.16376E-07	618375.1	4178535.8	220.5	5.87	33.66	9.10	0.00	1.37	NO	HROFDY
A0000037	0	0.16376E-07	618408.4	4178535.8	220.2	5.87	33.74	9.10	4.09	1.37	NO	HROFDY
A0000038	0	0.16376E-07	618441.7	4178533.5	219.9	5.87	63.24	9.10	8.75	1.37	NO	HROFDY
A0000039	0	0.16376E-07	618502.5	4178524.5	218.4	5.87	48.68	9.10	32.91	1.37	NO	HROFDY
A0000040	0	0.16376E-07	618542.5	4178498.8	219.4	5.87	62.92	9.10	46.55	1.37	NO	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000041	0	0.16376E-07	618585.6	4178453.3	218.5	5.87	46.03	9.10	49.24	1.37	NO	HROFDY
A0000042	0	0.16376E-07	618615.7	4178418.4	218.2	5.87	46.03	9.10	49.24	1.37	NO	HROFDY
A0000043	0	0.16376E-07	618646.2	4178383.1	219.0	5.87	54.51	9.10	41.42	1.37	NO	HROFDY
A0000044	0	0.16376E-07	618688.0	4178346.4	218.6	5.87	48.38	9.10	26.56	1.37	NO	HROFDY
A0000045	0	0.16376E-07	618731.5	4178324.6	219.0	5.87	54.93	9.10	23.20	1.37	NO	HROFDY
A0000046	0	0.16376E-07	618783.1	4178302.7	216.0	5.87	63.24	9.10	8.75	1.37	NO	HROFDY
A0000047	0	0.16376E-07	618845.1	4178293.2	213.5	5.87	64.73	9.10	15.07	1.37	NO	HROFDY
A0000048	0	0.16376E-07	618907.0	4178276.6	214.3	5.87	71.03	9.10	23.96	1.37	NO	HROFDY
A0000049	0	0.16376E-07	618971.2	4178248.1	215.7	5.87	55.35	9.10	34.38	1.37	NO	HROFDY
A0000050	0	0.16376E-07	619017.0	4178216.8	213.7	5.87	71.36	9.10	32.62	1.37	NO	HROFDY
A0000051	0	0.16376E-07	619077.6	4178178.0	211.3	5.87	55.92	9.10	25.46	1.37	NO	HROFDY
A0000052	0	0.16376E-07	619129.4	4178153.6	209.3	5.87	51.00	9.10	8.13	1.37	NO	HROFDY
A0000053	0	0.16376E-07	619181.0	4178146.4	210.9	5.87	41.15	9.10	-6.71	1.37	NO	HROFDY
A0000054	0	0.16376E-07	619222.8	4178151.4	209.9	5.87	60.82	9.10	-18.43	1.37	NO	HROFDY
A0000055	0	0.16376E-07	617026.0	4177039.4	221.0	10.98	47.63	9.10	-79.82	2.55	NO	HROFDY
A0000056	0	0.16376E-07	617034.5	4177086.3	221.1	10.98	47.63	9.10	-79.82	2.55	NO	HROFDY
A0000057	0	0.16376E-07	617042.9	4177133.2	220.9	10.98	70.75	9.10	-80.22	2.55	NO	HROFDY
A0000058	0	0.16376E-07	617054.9	4177203.0	220.1	10.98	70.38	9.10	-82.15	2.55	NO	HROFDY
A0000059	0	0.16376E-07	617064.6	4177272.9	220.6	10.98	70.09	9.10	-84.09	2.55	NO	HROFDY
A0000060	0	0.16376E-07	617071.7	4177342.2	220.7	10.98	63.65	9.10	-79.11	2.55	NO	HROFDY
A0000061	0	0.16376E-07	617083.7	4177404.7	220.8	10.98	68.84	9.10	-77.91	2.55	NO	HROFDY
A0000062	0	0.16376E-07	617098.1	4177471.8	220.7	10.98	55.98	9.10	-75.07	2.55	NO	HROFDY
A0000063	0	0.16376E-07	617112.5	4177525.8	221.0	10.98	55.98	9.10	-75.07	2.55	NO	HROFDY
A0000064	0	0.16376E-07	617126.7	4177579.2	221.6	10.98	58.10	9.10	-65.56	2.55	NO	HROFDY
A0000065	0	0.16376E-07	617150.7	4177632.1	222.4	10.98	58.10	9.10	-65.56	2.55	NO	HROFDY
A0000066	0	0.16376E-07	617174.5	4177684.5	222.3	10.98	62.06	9.10	-58.47	2.55	NO	HROFDY
A0000067	0	0.16376E-07	617207.0	4177737.4	222.7	10.98	62.06	9.10	-58.47	2.55	NO	HROFDY
A0000068	0	0.16376E-07	617239.0	4177789.7	222.5	10.98	60.50	9.10	-49.03	2.55	NO	HROFDY
A0000069	0	0.16376E-07	617278.6	4177835.4	223.6	10.98	60.50	9.10	-49.03	2.55	NO	HROFDY
A0000070	0	0.16376E-07	617318.0	4177880.7	223.4	10.98	81.67	9.10	-42.61	2.55	NO	HROFDY
A0000071	0	0.16376E-07	617377.7	4177935.7	225.2	10.98	63.47	9.10	-37.30	2.55	NO	HROFDY
A0000072	0	0.16376E-07	617428.1	4177974.1	225.9	10.98	49.05	9.10	-36.03	2.55	NO	HROFDY
A0000073	0	0.16376E-07	617467.8	4178003.0	224.7	10.98	49.05	9.10	-36.03	2.55	NO	HROFDY
A0000074	0	0.16376E-07	617507.5	4178031.8	224.5	10.98	86.08	9.10	-35.91	2.55	NO	HROFDY
A0000075	0	0.16376E-07	617577.2	4178082.3	224.8	10.98	86.08	9.10	-35.91	2.55	NO	HROFDY
A0000076	0	0.16376E-07	617646.9	4178132.8	225.4	10.98	85.38	9.10	-35.26	2.55	NO	HROFDY
A0000077	0	0.16376E-07	617716.6	4178182.0	225.8	10.98	85.38	9.10	-35.26	2.55	NO	HROFDY
A0000078	0	0.16376E-07	617786.3	4178231.3	225.4	10.98	71.69	9.10	-34.76	2.55	NO	HROFDY
A0000079	0	0.16376E-07	617845.2	4178272.2	224.9	10.98	71.69	9.10	-34.76	2.55	NO	HROFDY
A0000080	0	0.16376E-07	617904.1	4178313.0	223.8	10.98	55.35	9.10	-34.38	2.55	NO	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000081	0	0.16376E-07	617949.7	4178344.3	223.6	10.98	55.35	9.10	-34.38	2.55	NO	HROFDY
A0000082	0	0.16376E-07	617995.3	4178375.5	223.1	10.98	85.37	9.10	-32.35	2.55	NO	HROFDY
A0000083	0	0.16376E-07	618067.4	4178421.1	223.5	10.98	62.69	9.10	-32.47	2.55	NO	HROFDY
A0000084	0	0.16376E-07	618120.6	4178455.0	222.6	10.98	36.06	9.10	-36.87	2.55	NO	HROFDY
A0000085	0	0.16376E-07	618148.0	4178475.9	222.4	10.98	42.60	9.10	-16.39	2.55	NO	HROFDY
A0000086	0	0.16376E-07	618189.5	4178488.1	223.4	10.98	58.10	9.10	-24.44	2.55	NO	HROFDY
A0000087	0	0.16376E-07	618241.5	4178511.9	222.3	10.98	41.99	9.10	-13.24	2.55	NO	HROFDY
A0000088	0	0.16376E-07	618282.1	4178521.5	222.6	10.98	43.87	9.10	-9.46	2.55	NO	HROFDY
A0000089	0	0.16376E-07	618325.3	4178528.7	222.0	10.98	51.00	9.10	-8.13	2.55	NO	HROFDY
A0000090	0	0.16376E-07	618375.1	4178535.8	220.5	10.98	33.66	9.10	0.00	2.55	NO	HROFDY
A0000091	0	0.16376E-07	618408.4	4178535.8	220.2	10.98	33.74	9.10	4.09	2.55	NO	HROFDY
A0000092	0	0.16376E-07	618441.7	4178533.5	219.9	10.98	63.24	9.10	8.75	2.55	NO	HROFDY
A0000093	0	0.16376E-07	618502.5	4178524.5	218.4	10.98	48.68	9.10	32.91	2.55	NO	HROFDY
A0000094	0	0.16376E-07	618542.5	4178498.8	219.4	10.98	62.92	9.10	46.55	2.55	NO	HROFDY
A0000095	0	0.16376E-07	618585.6	4178453.3	218.5	10.98	46.03	9.10	49.24	2.55	NO	HROFDY
A0000096	0	0.16376E-07	618615.7	4178418.4	218.2	10.98	46.03	9.10	49.24	2.55	NO	HROFDY
A0000097	0	0.16376E-07	618646.2	4178383.1	219.0	10.98	54.51	9.10	41.42	2.55	NO	HROFDY
A0000098	0	0.16376E-07	618688.0	4178346.4	218.6	10.98	48.38	9.10	26.56	2.55	NO	HROFDY
A0000099	0	0.16376E-07	618731.5	4178324.6	219.0	10.98	54.93	9.10	23.20	2.55	NO	HROFDY
A0000100	0	0.16376E-07	618783.1	4178302.7	216.0	10.98	63.24	9.10	8.75	2.55	NO	HROFDY
A0000101	0	0.16376E-07	618845.1	4178293.2	213.5	10.98	64.73	9.10	15.07	2.55	NO	HROFDY
A0000102	0	0.16376E-07	618907.0	4178276.6	214.3	10.98	71.03	9.10	23.96	2.55	NO	HROFDY
A0000103	0	0.16376E-07	618971.2	4178248.1	215.7	10.98	55.35	9.10	34.38	2.55	NO	HROFDY
A0000104	0	0.16376E-07	619017.0	4178216.8	213.7	10.98	71.36	9.10	32.62	2.55	NO	HROFDY
A0000105	0	0.16376E-07	619077.6	4178178.0	211.3	10.98	55.92	9.10	25.46	2.55	NO	HROFDY
A0000106	0	0.16376E-07	619129.4	4178153.6	209.3	10.98	51.00	9.10	8.13	2.55	NO	HROFDY
A0000107	0	0.16376E-07	619181.0	4178146.4	210.9	10.98	41.15	9.10	-6.71	2.55	NO	HROFDY
A0000108	0	0.16376E-07	619222.8	4178151.4	209.9	10.98	60.82	9.10	-18.43	2.55	NO	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	A0000001 , A0000002 , A0000003 , A0000004 , A0000005 , A0000006 , A0000007 , A0000008 ,
	A0000009 , A0000010 , A0000011 , A0000012 , A0000013 , A0000014 , A0000015 , A0000016 ,
	A0000017 , A0000018 , A0000019 , A0000020 , A0000021 , A0000022 , A0000023 , A0000024 ,
	A0000025 , A0000026 , A0000027 , A0000028 , A0000029 , A0000030 , A0000031 , A0000032 ,
	A0000033 , A0000034 , A0000035 , A0000036 , A0000037 , A0000038 , A0000039 , A0000040 ,
	A0000041 , A0000042 , A0000043 , A0000044 , A0000045 , A0000046 , A0000047 , A0000048 ,
	A0000049 , A0000050 , A0000051 , A0000052 , A0000053 , A0000054 , A0000055 , A0000056 ,
	A0000057 , A0000058 , A0000059 , A0000060 , A0000061 , A0000062 , A0000063 , A0000064 ,
	A0000065 , A0000066 , A0000067 , A0000068 , A0000069 , A0000070 , A0000071 , A0000072 ,
	A0000073 , A0000074 , A0000075 , A0000076 , A0000077 , A0000078 , A0000079 , A0000080 ,
	A0000081 , A0000082 , A0000083 , A0000084 , A0000085 , A0000086 , A0000087 , A0000088 ,
	A0000089 , A0000090 , A0000091 , A0000092 , A0000093 , A0000094 , A0000095 , A0000096 ,
	A0000097 , A0000098 , A0000099 , A0000100 , A0000101 , A0000102 , A0000103 , A0000104 ,
	A0000105 , A0000106 , A0000107 , A0000108 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000001 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000002 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000003 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000004 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000005 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000006 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000007 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000008 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000009 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000010 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000011 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000012 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000013 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000014 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000015 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000016 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000017 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000018 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000019 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000020 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000021 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000022 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000023 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000024 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000025 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000026 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000027 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000028 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000029 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000030 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000031 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000032 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000033 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000034 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000035 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000036 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000037 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000038 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000039 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000040 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000041 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000042 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000043 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000044 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000045 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000046 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000047 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000048 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000049 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000050 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000051 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000052 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000053 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000054 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000055 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000056 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000057 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000058 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000059 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000060 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000061 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000062 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000063 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000064 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000065 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000066 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000067 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000068 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000069 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000070 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000071 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000072 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000073 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000074 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000075 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000076 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000077 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000078 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000079 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000080 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000081 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000082 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000083 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000084 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000085 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000086 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000087 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000088 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000089 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000090 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000091 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000092 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000093 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000094 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000095 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000096 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000097 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000098 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000099 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000100 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000101 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000102 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000103 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000104 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000105 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000106 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000107 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000108 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(617902.0, 4178221.0, 229.6, 380.5, 0.0); (617787.0, 4178076.0, 231.9, 380.5, 0.0);
(617235.0, 4177277.0, 224.5, 377.8, 0.0);

```
                                              *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                                (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1

               NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.


                                    *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                                            (METERS/SEC)

                                                   1.54,   3.09,   5.14,   8.23,  10.80,
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\..\..\..\metdata\AQMD\724927_Livermore\724927.SFC Met Version: 14134
Profile file: ..\..\..\..\metdata\AQMD\724927_Livermore\724927.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23285 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2009 Year: 2009

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
09	01	01	1	01	-12.6	0.221	-9.000	-9.000	-999.	250.	77.5	0.11	0.90	1.00	2.86	51.	10.0	279.2	2.0
09	01	01	1	02	-23.5	0.413	-9.000	-9.000	-999.	637.	269.8	0.11	0.90	1.00	4.86	48.	10.0	279.2	2.0
09	01	01	1	03	-11.1	0.195	-9.000	-9.000	-999.	254.	59.8	0.07	0.90	1.00	2.86	94.	10.0	278.8	2.0
09	01	01	1	04	-9.5	0.166	-9.000	-9.000	-999.	164.	43.7	0.11	0.90	1.00	2.36	53.	10.0	278.1	2.0
09	01	01	1	05	-11.1	0.195	-9.000	-9.000	-999.	206.	59.6	0.07	0.90	1.00	2.86	63.	10.0	278.1	2.0
09	01	01	1	06	-8.2	0.143	-9.000	-9.000	-999.	131.	32.3	0.07	0.90	1.00	2.36	72.	10.0	278.1	2.0
09	01	01	1	07	-8.2	0.143	-9.000	-9.000	-999.	130.	32.3	0.07	0.90	1.00	2.36	75.	10.0	278.1	2.0
09	01	01	1	08	-4.1	0.078	-9.000	-9.000	-999.	53.	10.3	0.11	0.90	0.75	1.76	13.	10.0	277.5	2.0
09	01	01	1	09	-6.3	0.246	-9.000	-9.000	-999.	292.	211.6	0.12	0.90	0.40	2.86	347.	10.0	278.1	2.0
09	01	01	1	10	6.6	0.303	0.261	0.016	96.	401.	-378.3	0.11	0.90	0.27	3.36	51.	10.0	278.8	2.0
09	01	01	1	11	15.4	0.317	0.422	0.017	176.	429.	-186.8	0.07	0.90	0.23	3.86	94.	10.0	279.9	2.0
09	01	01	1	12	47.5	0.448	0.742	0.017	309.	720.	-170.5	0.11	0.90	0.22	4.86	56.	10.0	280.9	2.0
09	01	01	1	13	49.0	0.405	0.820	0.014	403.	621.	-122.0	0.07	0.90	0.21	4.86	63.	10.0	281.4	2.0
09	01	01	1	14	42.7	0.405	0.809	0.014	444.	619.	-139.5	0.11	0.90	0.22	4.36	59.	10.0	282.0	2.0
09	01	01	1	15	60.8	0.372	0.922	0.014	463.	545.	-75.6	0.07	0.90	0.25	4.36	72.	10.0	281.4	2.0
09	01	01	1	16	14.1	0.309	0.569	0.016	467.	414.	-187.5	0.11	0.90	0.34	3.36	54.	10.0	282.0	2.0
09	01	01	1	17	-30.4	0.311	-9.000	-9.000	-999.	417.	89.1	0.07	0.90	0.58	4.36	61.	10.0	280.4	2.0
09	01	01	1	18	-27.0	0.239	-9.000	-9.000	-999.	282.	45.2	0.11	0.90	1.00	3.36	47.	10.0	279.9	2.0
09	01	01	1	19	-14.9	0.131	-9.000	-9.000	-999.	120.	13.7	0.07	0.90	1.00	2.86	64.	10.0	279.2	2.0
09	01	01	1	20	-5.8	0.078	-9.000	-9.000	-999.	53.	7.3	0.11	0.90	1.00	1.76	47.	10.0	278.8	2.0
09	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	0.90	1.00	0.00	0.	10.0	277.5	2.0
09	01	01	1	22	-4.9	0.070	-9.000	-9.000	-999.	44.	6.2	0.07	0.90	1.00	1.76	82.	10.0	276.4	2.0
09	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	0.90	1.00	0.00	0.	10.0	277.0	2.0
09	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	0.90	1.00	0.00	0.	10.0	277.0	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
09	01	01	01	10.0	1	51.	2.86	279.3	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
617902.00	4178221.00	0.00145	617787.00	4178076.00	0.00103
617235.00	4177277.00	0.00078			

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00145 AT	(617902.00, 4178221.00, 229.64, 380.47, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00103 AT	(617787.00, 4178076.00, 231.88, 380.47, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00078 AT	(617235.00, 4177277.00, 224.48, 377.83, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	5TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	6TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	7TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	8TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	9TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	10TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA RURAL

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   1 Warning Message(s)
A Total of   15235 Informational Message(s)

A Total of   43872 Hours Were Processed

A Total of   13448 Calm Hours Identified

A Total of   1787 Missing Hours Identified (4.07 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
MX W481   43873   MAIN: Data Remaining After End of Year. Number of Hours=   48

   ****
   *** AERMOD Finishes Successfully ***
   ****

```
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE Valley Link: Tracy-Lathrop Segment S1, 2025 Annual Operation DPM
   MODELOPT CONC FASTAREA
   AVERTIME ANNUAL
   URBANOPT 4656000 Other_Bay_Area
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL Tracy-Lathrop_S1_operation_2025_DPM.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ----------------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = TRALATH_S1_D
** DESCRSRC Tracy-Lathrop Segment - Part 1, Day Time
** PREFIX
** Length of Side = 9.10
** Ratio = 10
** Vertical Dimension = 1.37
** Emission Rate = 1.4719E-08
** Nodes = 13
** 634064.863, 4175091.399, 40.41, 5.87
** 634588.372, 4175349.127, 34.37, 5.87
** 635409.878, 4175775.987, 26.75, 5.87
** 636336.085, 4176227.010, 21.93, 5.87
** 637294.509, 4176710.249, 21.22, 5.87
** 637979.097, 4177072.678, 21.05, 5.87
** 638945.574, 4177555.917, 18.69, 5.87
** 639871.782, 4178023.047, 16.86, 5.87
** 640959.069, 4178562.664, 14.47, 5.87
** 642368.515, 4179271.414, 12.66, 5.87
** 643318.885, 4179746.599, 8.78, 5.87
** 644148.445, 4180173.460, 5.96, 5.87
** 644333.686, 4180262.053, 5.08, 5.87
** ----------------------------------------------------------------------
   LOCATION A0000001     AREA     634066.873 4175087.317 40.41
   LOCATION A0000002     AREA     634141.660 4175124.135 38.85
   LOCATION A0000003     AREA     634216.447 4175160.953 38.83
   LOCATION A0000004     AREA     634291.234 4175197.772 37.36
   LOCATION A0000005     AREA     634366.021 4175234.590 37.30
   LOCATION A0000006     AREA     634440.808 4175271.408 35.77
   LOCATION A0000007     AREA     634515.595 4175308.226 35.77
   LOCATION A0000008     AREA     634590.470 4175345.089 34.31
   LOCATION A0000009     AREA     634665.152 4175383.895 34.27
   LOCATION A0000010     AREA     634739.835 4175422.700 32.74
   LOCATION A0000011     AREA     634814.517 4175461.506 32.31
   LOCATION A0000012     AREA     634889.199 4175500.311 31.74
   LOCATION A0000013     AREA     634963.882 4175539.117 30.98
   LOCATION A0000014     AREA     635038.564 4175577.922 30.17
   LOCATION A0000015     AREA     635113.246 4175616.728 29.62
   LOCATION A0000016     AREA     635187.929 4175655.533 28.91
   LOCATION A0000017     AREA     635262.611 4175694.339 28.34
   LOCATION A0000018     AREA     635337.293 4175733.144 27.60
   LOCATION A0000019     AREA     635411.870 4175771.897 26.68
   LOCATION A0000020     AREA     635489.054 4175809.482 25.97
   LOCATION A0000021     AREA     635566.238 4175847.067 24.56
   LOCATION A0000022     AREA     635643.422 4175884.652 23.74
   LOCATION A0000023     AREA     635720.606 4175922.238 22.98
   LOCATION A0000024     AREA     635797.790 4175959.823 22.46
   LOCATION A0000025     AREA     635874.974 4175997.408 22.40
   LOCATION A0000026     AREA     635952.158 4176034.993 22.17
   LOCATION A0000027     AREA     636029.342 4176072.579 21.90
   LOCATION A0000028     AREA     636106.526 4176110.164 21.50
   LOCATION A0000029     AREA     636183.710 4176147.749 21.08
   LOCATION A0000030     AREA     636260.893 4176185.334 21.09
   LOCATION A0000031     AREA     636338.134 4176222.947 21.86
   LOCATION A0000032     AREA     636418.002 4176263.217 20.74
   LOCATION A0000033     AREA     636497.871 4176303.487 20.59
   LOCATION A0000034     AREA     636577.740 4176343.757 20.59
   LOCATION A0000035     AREA     636657.608 4176384.027 20.62
   LOCATION A0000036     AREA     636737.477 4176424.297 20.62
   LOCATION A0000037     AREA     636817.346 4176464.567 20.56
   LOCATION A0000038     AREA     636897.214 4176504.837 20.54
   LOCATION A0000039     AREA     636977.083 4176545.107 20.70
   LOCATION A0000040     AREA     637056.951 4176585.376 20.56
   LOCATION A0000041     AREA     637136.820 4176625.646 20.97
   LOCATION A0000042     AREA     637216.689 4176665.916 20.03
   LOCATION A0000043     AREA     637296.638 4176706.228 20.94
   LOCATION A0000044     AREA     637372.703 4176746.498 21.58
   LOCATION A0000045     AREA     637448.768 4176786.767 21.67
   LOCATION A0000046     AREA     637524.834 4176827.037 21.23
   LOCATION A0000047     AREA     637600.899 4176867.307 21.20
   LOCATION A0000048     AREA     637676.965 4176907.577 21.17
```

```
   LOCATION A0000049     AREA     637753.030 4176947.847 21.25
   LOCATION A0000050     AREA     637829.095 4176988.117 21.31
   LOCATION A0000051     AREA     637905.161 4177028.387 21.35
   LOCATION A0000052     AREA     637981.132 4177068.608 21.31
   LOCATION A0000053     AREA     638061.672 4177108.878 21.27
   LOCATION A0000054     AREA     638142.211 4177149.148 21.21
   LOCATION A0000055     AREA     638222.751 4177189.418 21.15
   LOCATION A0000056     AREA     638303.291 4177229.688 20.72
   LOCATION A0000057     AREA     638383.831 4177269.958 20.41
   LOCATION A0000058     AREA     638464.371 4177310.228 20.14
   LOCATION A0000059     AREA     638544.910 4177350.498 19.67
   LOCATION A0000060     AREA     638625.450 4177390.767 19.38
   LOCATION A0000061     AREA     638705.990 4177431.037 19.30
   LOCATION A0000062     AREA     638786.530 4177471.307 18.99
   LOCATION A0000063     AREA     638867.069 4177511.577 18.83
   LOCATION A0000064     AREA     638947.623 4177551.854 18.72
   LOCATION A0000065     AREA     639024.807 4177590.782 18.70
   LOCATION A0000066     AREA     639101.991 4177629.709 18.56
   LOCATION A0000067     AREA     639179.175 4177668.637 18.39
   LOCATION A0000068     AREA     639256.359 4177707.564 18.22
   LOCATION A0000069     AREA     639333.543 4177746.492 17.96
   LOCATION A0000070     AREA     639410.727 4177785.420 17.73
   LOCATION A0000071     AREA     639487.911 4177824.347 17.50
   LOCATION A0000072     AREA     639565.095 4177863.275 17.34
   LOCATION A0000073     AREA     639642.279 4177902.202 17.22
   LOCATION A0000074     AREA     639719.463 4177941.130 17.19
   LOCATION A0000075     AREA     639796.647 4177980.057 17.04
   LOCATION A0000076     AREA     639873.805 4178018.972 16.87
   LOCATION A0000077     AREA     639951.468 4178057.516 16.57
   LOCATION A0000078     AREA     640029.131 4178096.060 16.96
   LOCATION A0000079     AREA     640106.795 4178134.604 27.65
   LOCATION A0000080     AREA     640184.458 4178173.148 15.64
   LOCATION A0000081     AREA     640262.122 4178211.692 15.40
   LOCATION A0000082     AREA     640339.785 4178250.236 15.48
   LOCATION A0000083     AREA     640417.448 4178288.780 15.27
   LOCATION A0000084     AREA     640495.112 4178327.324 15.24
   LOCATION A0000085     AREA     640572.775 4178365.868 15.35
   LOCATION A0000086     AREA     640650.438 4178404.412 15.13
   LOCATION A0000087     AREA     640728.102 4178442.956 15.14
   LOCATION A0000088     AREA     640805.765 4178481.500 15.07
   LOCATION A0000089     AREA     640883.428 4178520.044 14.92
   LOCATION A0000090     AREA     640961.113 4178558.599 14.89
   LOCATION A0000091     AREA     641039.416 4178597.974 14.72
   LOCATION A0000092     AREA     641117.718 4178637.349 14.61
   LOCATION A0000093     AREA     641196.021 4178676.724 14.42
   LOCATION A0000094     AREA     641274.323 4178716.099 14.31
   LOCATION A0000095     AREA     641352.626 4178755.474 14.12
   LOCATION A0000096     AREA     641430.929 4178794.849 13.96
   LOCATION A0000097     AREA     641509.231 4178834.224 13.89
   LOCATION A0000098     AREA     641587.534 4178873.599 13.70
   LOCATION A0000099     AREA     641665.836 4178912.974 13.52
   LOCATION A0000100     AREA     641744.139 4178952.349 13.47
   LOCATION A0000101     AREA     641822.441 4178991.724 13.34
   LOCATION A0000102     AREA     641900.744 4179031.099 13.21
   LOCATION A0000103     AREA     641979.047 4179070.474 13.22
   LOCATION A0000104     AREA     642057.349 4179109.849 13.14
   LOCATION A0000105     AREA     642135.652 4179149.224 12.96
   LOCATION A0000106     AREA     642213.954 4179188.599 12.84
   LOCATION A0000107     AREA     642292.257 4179227.974 12.86
   LOCATION A0000108     AREA     642370.550 4179267.344 12.65
   LOCATION A0000109     AREA     642449.748 4179306.943 12.35
   LOCATION A0000110     AREA     642528.945 4179346.542 12.12
   LOCATION A0000111     AREA     642608.143 4179386.141 11.65
   LOCATION A0000112     AREA     642687.340 4179425.739 11.33
   LOCATION A0000113     AREA     642766.537 4179465.338 10.70
   LOCATION A0000114     AREA     642845.735 4179504.937 10.57
   LOCATION A0000115     AREA     642924.932 4179544.536 10.40
   LOCATION A0000116     AREA     643004.130 4179584.134 10.13
   LOCATION A0000117     AREA     643083.327 4179623.733 9.75
   LOCATION A0000118     AREA     643162.525 4179663.332 9.29
   LOCATION A0000119     AREA     643241.722 4179702.930 9.28
   LOCATION A0000120     AREA     643320.967 4179742.553 8.75
   LOCATION A0000121     AREA     643396.381 4179781.359 8.35
   LOCATION A0000122     AREA     643471.796 4179820.164 8.47
   LOCATION A0000123     AREA     643547.210 4179858.970 7.57
   LOCATION A0000124     AREA     643622.625 4179897.775 7.58
   LOCATION A0000125     AREA     643698.039 4179936.581 7.26
   LOCATION A0000126     AREA     643773.454 4179975.386 7.22
   LOCATION A0000127     AREA     643848.868 4180014.192 7.26
   LOCATION A0000128     AREA     643924.283 4180052.997 6.97
   LOCATION A0000129     AREA     643999.697 4180091.803 7.16
   LOCATION A0000130     AREA     644075.112 4180130.608 6.89
   LOCATION A0000131     AREA     644150.408 4180169.355 6.76
   LOCATION A0000132     AREA     644212.155 4180198.886 6.90
   LOCATION A0000133     AREA     644273.902 4180228.418 6.37
** End of LINE AREA Source ID = TRALATH_S1_D
** ------------------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = TRALATH_S1_N
** DESCRSRC Tracy-Lathrop Segment - Part 1, Night Time
** PREFIX
** Length of Side = 9.10
** Ratio = 10
** Vertical Dimension = 2.55
** Emission Rate = 1.4719E-08
```

```
** Nodes = 13
** 634064.863, 4175091.399, 40.41, 10.98
** 634588.372, 4175349.127, 34.37, 10.98
** 635409.878, 4175775.987, 26.75, 10.98
** 636336.085, 4176227.010, 21.93, 10.98
** 637294.509, 4176710.249, 21.22, 10.98
** 637979.097, 4177072.678, 21.05, 10.98
** 638945.574, 4177555.917, 18.69, 10.98
** 639871.782, 4178023.047, 16.86, 10.98
** 640959.069, 4178562.664, 14.47, 10.98
** 642368.515, 4179271.414, 12.66, 10.98
** 643318.885, 4179746.599, 8.78, 10.98
** 644148.445, 4180173.460, 5.96, 10.98
** 644333.686, 4180262.053, 5.08, 10.98
** ---------------------------------------------------------------------
   LOCATION A0000134     AREA     634066.873 4175087.317 40.41
   LOCATION A0000135     AREA     634141.660 4175124.135 38.85
   LOCATION A0000136     AREA     634216.447 4175160.953 38.83
   LOCATION A0000137     AREA     634291.234 4175197.772 37.36
   LOCATION A0000138     AREA     634366.021 4175234.590 37.30
   LOCATION A0000139     AREA     634440.808 4175271.408 35.77
   LOCATION A0000140     AREA     634515.595 4175308.226 35.77
   LOCATION A0000141     AREA     634590.470 4175345.089 34.31
   LOCATION A0000142     AREA     634665.152 4175383.895 34.27
   LOCATION A0000143     AREA     634739.835 4175422.700 32.74
   LOCATION A0000144     AREA     634814.517 4175461.506 32.31
   LOCATION A0000145     AREA     634889.199 4175500.311 31.74
   LOCATION A0000146     AREA     634963.882 4175539.117 30.98
   LOCATION A0000147     AREA     635038.564 4175577.922 30.17
   LOCATION A0000148     AREA     635113.246 4175616.728 29.62
   LOCATION A0000149     AREA     635187.929 4175655.533 28.91
   LOCATION A0000150     AREA     635262.611 4175694.339 28.34
   LOCATION A0000151     AREA     635337.293 4175733.144 27.60
   LOCATION A0000152     AREA     635411.870 4175771.897 26.68
   LOCATION A0000153     AREA     635489.054 4175809.482 25.97
   LOCATION A0000154     AREA     635566.238 4175847.067 24.56
   LOCATION A0000155     AREA     635643.422 4175884.652 23.74
   LOCATION A0000156     AREA     635720.606 4175922.238 22.98
   LOCATION A0000157     AREA     635797.790 4175959.823 22.46
   LOCATION A0000158     AREA     635874.974 4175997.408 22.40
   LOCATION A0000159     AREA     635952.158 4176034.993 22.17
   LOCATION A0000160     AREA     636029.342 4176072.579 21.90
   LOCATION A0000161     AREA     636106.526 4176110.164 21.50
   LOCATION A0000162     AREA     636183.710 4176147.749 21.08
   LOCATION A0000163     AREA     636260.893 4176185.334 21.09
   LOCATION A0000164     AREA     636338.134 4176222.947 21.86
   LOCATION A0000165     AREA     636418.002 4176263.217 20.74
   LOCATION A0000166     AREA     636497.871 4176303.487 20.59
   LOCATION A0000167     AREA     636577.740 4176343.757 20.59
   LOCATION A0000168     AREA     636657.608 4176384.027 20.62
   LOCATION A0000169     AREA     636737.477 4176424.297 20.62
   LOCATION A0000170     AREA     636817.346 4176464.567 20.56
   LOCATION A0000171     AREA     636897.214 4176504.837 20.54
   LOCATION A0000172     AREA     636977.083 4176545.107 20.70
   LOCATION A0000173     AREA     637056.951 4176585.376 20.56
   LOCATION A0000174     AREA     637136.820 4176625.646 20.97
   LOCATION A0000175     AREA     637216.689 4176665.916 20.03
   LOCATION A0000176     AREA     637296.638 4176706.228 20.94
   LOCATION A0000177     AREA     637372.703 4176746.498 21.58
   LOCATION A0000178     AREA     637448.768 4176786.767 21.67
   LOCATION A0000179     AREA     637524.834 4176827.037 21.23
   LOCATION A0000180     AREA     637600.899 4176867.307 21.20
   LOCATION A0000181     AREA     637676.965 4176907.577 21.17
   LOCATION A0000182     AREA     637753.030 4176947.847 21.25
   LOCATION A0000183     AREA     637829.095 4176988.117 21.31
   LOCATION A0000184     AREA     637905.161 4177028.387 21.35
   LOCATION A0000185     AREA     637981.132 4177068.608 21.31
   LOCATION A0000186     AREA     638061.672 4177108.878 21.27
   LOCATION A0000187     AREA     638142.211 4177149.148 21.21
   LOCATION A0000188     AREA     638222.751 4177189.418 21.15
   LOCATION A0000189     AREA     638303.291 4177229.688 20.72
   LOCATION A0000190     AREA     638383.831 4177269.958 20.41
   LOCATION A0000191     AREA     638464.371 4177310.228 20.14
   LOCATION A0000192     AREA     638544.910 4177350.498 19.67
   LOCATION A0000193     AREA     638625.450 4177390.767 19.38
   LOCATION A0000194     AREA     638705.990 4177431.037 19.30
   LOCATION A0000195     AREA     638786.530 4177471.307 18.99
   LOCATION A0000196     AREA     638867.069 4177511.577 18.83
   LOCATION A0000197     AREA     638947.623 4177551.854 18.72
   LOCATION A0000198     AREA     639024.807 4177590.782 18.70
   LOCATION A0000199     AREA     639101.991 4177629.709 18.56
   LOCATION A0000200     AREA     639179.175 4177668.637 18.39
   LOCATION A0000201     AREA     639256.359 4177707.564 18.22
   LOCATION A0000202     AREA     639333.543 4177746.492 17.96
   LOCATION A0000203     AREA     639410.727 4177785.420 17.73
   LOCATION A0000204     AREA     639487.911 4177824.347 17.50
   LOCATION A0000205     AREA     639565.095 4177863.275 17.34
   LOCATION A0000206     AREA     639642.279 4177902.202 17.22
   LOCATION A0000207     AREA     639719.463 4177941.130 17.19
   LOCATION A0000208     AREA     639796.647 4177980.057 17.04
   LOCATION A0000209     AREA     639873.805 4178018.972 16.87
   LOCATION A0000210     AREA     639951.468 4178057.516 16.57
   LOCATION A0000211     AREA     640029.131 4178096.060 16.96
   LOCATION A0000212     AREA     640106.795 4178134.604 27.65
   LOCATION A0000213     AREA     640184.458 4178173.148 15.64
```

```
   LOCATION A0000214     AREA     640262.122 4178211.692 15.40
   LOCATION A0000215     AREA     640339.785 4178250.236 15.48
   LOCATION A0000216     AREA     640417.448 4178288.780 15.27
   LOCATION A0000217     AREA     640495.112 4178327.324 15.24
   LOCATION A0000218     AREA     640572.775 4178365.868 15.35
   LOCATION A0000219     AREA     640650.438 4178404.412 15.13
   LOCATION A0000220     AREA     640728.102 4178442.956 15.14
   LOCATION A0000221     AREA     640805.765 4178481.500 15.07
   LOCATION A0000222     AREA     640883.428 4178520.044 14.92
   LOCATION A0000223     AREA     640961.113 4178558.599 14.89
   LOCATION A0000224     AREA     641039.416 4178597.974 14.72
   LOCATION A0000225     AREA     641117.718 4178637.349 14.61
   LOCATION A0000226     AREA     641196.021 4178676.724 14.42
   LOCATION A0000227     AREA     641274.323 4178716.099 14.31
   LOCATION A0000228     AREA     641352.626 4178755.474 14.12
   LOCATION A0000229     AREA     641430.929 4178794.849 13.96
   LOCATION A0000230     AREA     641509.231 4178834.224 13.89
   LOCATION A0000231     AREA     641587.534 4178873.599 13.70
   LOCATION A0000232     AREA     641665.836 4178912.974 13.52
   LOCATION A0000233     AREA     641744.139 4178952.349 13.47
   LOCATION A0000234     AREA     641822.441 4178991.724 13.34
   LOCATION A0000235     AREA     641900.744 4179031.099 13.21
   LOCATION A0000236     AREA     641979.047 4179070.474 13.22
   LOCATION A0000237     AREA     642057.349 4179109.849 13.14
   LOCATION A0000238     AREA     642135.652 4179149.224 12.96
   LOCATION A0000239     AREA     642213.954 4179188.599 12.84
   LOCATION A0000240     AREA     642292.257 4179227.974 12.86
   LOCATION A0000241     AREA     642370.550 4179267.344 12.65
   LOCATION A0000242     AREA     642449.748 4179306.943 12.35
   LOCATION A0000243     AREA     642528.945 4179346.542 12.12
   LOCATION A0000244     AREA     642608.143 4179386.141 11.65
   LOCATION A0000245     AREA     642687.340 4179425.739 11.33
   LOCATION A0000246     AREA     642766.537 4179465.338 10.70
   LOCATION A0000247     AREA     642845.735 4179504.937 10.57
   LOCATION A0000248     AREA     642924.932 4179544.536 10.40
   LOCATION A0000249     AREA     643004.130 4179584.134 10.13
   LOCATION A0000250     AREA     643083.327 4179623.733 9.75
   LOCATION A0000251     AREA     643162.525 4179663.332 9.29
   LOCATION A0000252     AREA     643241.722 4179702.930 9.28
   LOCATION A0000253     AREA     643320.967 4179742.553 8.75
   LOCATION A0000254     AREA     643396.381 4179781.359 8.35
   LOCATION A0000255     AREA     643471.796 4179820.164 8.47
   LOCATION A0000256     AREA     643547.210 4179858.970 7.57
   LOCATION A0000257     AREA     643622.625 4179897.775 7.58
   LOCATION A0000258     AREA     643698.039 4179936.581 7.26
   LOCATION A0000259     AREA     643773.454 4179975.386 7.22
   LOCATION A0000260     AREA     643848.868 4180014.192 7.26
   LOCATION A0000261     AREA     643924.283 4180052.997 6.97
   LOCATION A0000262     AREA     643999.697 4180091.803 7.16
   LOCATION A0000263     AREA     644075.112 4180130.608 6.89
   LOCATION A0000264     AREA     644150.408 4180169.355 6.76
   LOCATION A0000265     AREA     644212.155 4180198.886 6.90
   LOCATION A0000266     AREA     644273.902 4180228.418 6.37
** End of LINE AREA Source ID = TRALATH_S1_N
** Source Parameters **
** LINE AREA Source ID = TRALATH_S1_D
   SRCPARAM A0000001     1.4719E-08     5.870    83.359     9.100   -26.211     1.370
   SRCPARAM A0000002     1.4719E-08     5.870    83.359     9.100   -26.211     1.370
   SRCPARAM A0000003     1.4719E-08     5.870    83.359     9.100   -26.211     1.370
   SRCPARAM A0000004     1.4719E-08     5.870    83.359     9.100   -26.211     1.370
   SRCPARAM A0000005     1.4719E-08     5.870    83.359     9.100   -26.211     1.370
   SRCPARAM A0000006     1.4719E-08     5.870    83.359     9.100   -26.211     1.370
   SRCPARAM A0000007     1.4719E-08     5.870    83.359     9.100   -26.211     1.370
   SRCPARAM A0000008     1.4719E-08     5.870    84.162     9.100   -27.457     1.370
   SRCPARAM A0000009     1.4719E-08     5.870    84.162     9.100   -27.457     1.370
   SRCPARAM A0000010     1.4719E-08     5.870    84.162     9.100   -27.457     1.370
   SRCPARAM A0000011     1.4719E-08     5.870    84.162     9.100   -27.457     1.370
   SRCPARAM A0000012     1.4719E-08     5.870    84.162     9.100   -27.457     1.370
   SRCPARAM A0000013     1.4719E-08     5.870    84.162     9.100   -27.457     1.370
   SRCPARAM A0000014     1.4719E-08     5.870    84.162     9.100   -27.457     1.370
   SRCPARAM A0000015     1.4719E-08     5.870    84.162     9.100   -27.457     1.370
   SRCPARAM A0000016     1.4719E-08     5.870    84.162     9.100   -27.457     1.370
   SRCPARAM A0000017     1.4719E-08     5.870    84.162     9.100   -27.457     1.370
   SRCPARAM A0000018     1.4719E-08     5.870    84.162     9.100   -27.457     1.370
   SRCPARAM A0000019     1.4719E-08     5.870    85.849     9.100   -25.964     1.370
   SRCPARAM A0000020     1.4719E-08     5.870    85.849     9.100   -25.964     1.370
   SRCPARAM A0000021     1.4719E-08     5.870    85.849     9.100   -25.964     1.370
   SRCPARAM A0000022     1.4719E-08     5.870    85.849     9.100   -25.964     1.370
   SRCPARAM A0000023     1.4719E-08     5.870    85.849     9.100   -25.964     1.370
   SRCPARAM A0000024     1.4719E-08     5.870    85.849     9.100   -25.964     1.370
   SRCPARAM A0000025     1.4719E-08     5.870    85.849     9.100   -25.964     1.370
   SRCPARAM A0000026     1.4719E-08     5.870    85.849     9.100   -25.964     1.370
   SRCPARAM A0000027     1.4719E-08     5.870    85.849     9.100   -25.964     1.370
   SRCPARAM A0000028     1.4719E-08     5.870    85.849     9.100   -25.964     1.370
   SRCPARAM A0000029     1.4719E-08     5.870    85.849     9.100   -25.964     1.370
   SRCPARAM A0000030     1.4719E-08     5.870    85.849     9.100   -25.964     1.370
   SRCPARAM A0000031     1.4719E-08     5.870    89.446     9.100   -26.757     1.370
   SRCPARAM A0000032     1.4719E-08     5.870    89.446     9.100   -26.757     1.370
   SRCPARAM A0000033     1.4719E-08     5.870    89.446     9.100   -26.757     1.370
   SRCPARAM A0000034     1.4719E-08     5.870    89.446     9.100   -26.757     1.370
   SRCPARAM A0000035     1.4719E-08     5.870    89.446     9.100   -26.757     1.370
   SRCPARAM A0000036     1.4719E-08     5.870    89.446     9.100   -26.757     1.370
   SRCPARAM A0000037     1.4719E-08     5.870    89.446     9.100   -26.757     1.370
   SRCPARAM A0000038     1.4719E-08     5.870    89.446     9.100   -26.757     1.370
   SRCPARAM A0000039     1.4719E-08     5.870    89.446     9.100   -26.757     1.370
```

```
   SRCPARAM A0000040     1.4719E-08     5.870    89.446     9.100   -26.757     1.370
   SRCPARAM A0000041     1.4719E-08     5.870    89.446     9.100   -26.757     1.370
   SRCPARAM A0000042     1.4719E-08     5.870    89.446     9.100   -26.757     1.370
   SRCPARAM A0000043     1.4719E-08     5.870    86.067     9.100   -27.897     1.370
   SRCPARAM A0000044     1.4719E-08     5.870    86.067     9.100   -27.897     1.370
   SRCPARAM A0000045     1.4719E-08     5.870    86.067     9.100   -27.897     1.370
   SRCPARAM A0000046     1.4719E-08     5.870    86.067     9.100   -27.897     1.370
   SRCPARAM A0000047     1.4719E-08     5.870    86.067     9.100   -27.897     1.370
   SRCPARAM A0000048     1.4719E-08     5.870    86.067     9.100   -27.897     1.370
   SRCPARAM A0000049     1.4719E-08     5.870    86.067     9.100   -27.897     1.370
   SRCPARAM A0000050     1.4719E-08     5.870    86.067     9.100   -27.897     1.370
   SRCPARAM A0000051     1.4719E-08     5.870    86.067     9.100   -27.897     1.370
   SRCPARAM A0000052     1.4719E-08     5.870    90.046     9.100   -26.565     1.370
   SRCPARAM A0000053     1.4719E-08     5.870    90.046     9.100   -26.565     1.370
   SRCPARAM A0000054     1.4719E-08     5.870    90.046     9.100   -26.565     1.370
   SRCPARAM A0000055     1.4719E-08     5.870    90.046     9.100   -26.565     1.370
   SRCPARAM A0000056     1.4719E-08     5.870    90.046     9.100   -26.565     1.370
   SRCPARAM A0000057     1.4719E-08     5.870    90.046     9.100   -26.565     1.370
   SRCPARAM A0000058     1.4719E-08     5.870    90.046     9.100   -26.565     1.370
   SRCPARAM A0000059     1.4719E-08     5.870    90.046     9.100   -26.565     1.370
   SRCPARAM A0000060     1.4719E-08     5.870    90.046     9.100   -26.565     1.370
   SRCPARAM A0000061     1.4719E-08     5.870    90.046     9.100   -26.565     1.370
   SRCPARAM A0000062     1.4719E-08     5.870    90.046     9.100   -26.565     1.370
   SRCPARAM A0000063     1.4719E-08     5.870    90.046     9.100   -26.565     1.370
   SRCPARAM A0000064     1.4719E-08     5.870    86.445     9.100   -26.764     1.370
   SRCPARAM A0000065     1.4719E-08     5.870    86.445     9.100   -26.764     1.370
   SRCPARAM A0000066     1.4719E-08     5.870    86.445     9.100   -26.764     1.370
   SRCPARAM A0000067     1.4719E-08     5.870    86.445     9.100   -26.764     1.370
   SRCPARAM A0000068     1.4719E-08     5.870    86.445     9.100   -26.764     1.370
   SRCPARAM A0000069     1.4719E-08     5.870    86.445     9.100   -26.764     1.370
   SRCPARAM A0000070     1.4719E-08     5.870    86.445     9.100   -26.764     1.370
   SRCPARAM A0000071     1.4719E-08     5.870    86.445     9.100   -26.764     1.370
   SRCPARAM A0000072     1.4719E-08     5.870    86.445     9.100   -26.764     1.370
   SRCPARAM A0000073     1.4719E-08     5.870    86.445     9.100   -26.764     1.370
   SRCPARAM A0000074     1.4719E-08     5.870    86.445     9.100   -26.764     1.370
   SRCPARAM A0000075     1.4719E-08     5.870    86.445     9.100   -26.764     1.370
   SRCPARAM A0000076     1.4719E-08     5.870    86.702     9.100   -26.395     1.370
   SRCPARAM A0000077     1.4719E-08     5.870    86.702     9.100   -26.395     1.370
   SRCPARAM A0000078     1.4719E-08     5.870    86.702     9.100   -26.395     1.370
   SRCPARAM A0000079     1.4719E-08     5.870    86.702     9.100   -26.395     1.370
   SRCPARAM A0000080     1.4719E-08     5.870    86.702     9.100   -26.395     1.370
   SRCPARAM A0000081     1.4719E-08     5.870    86.702     9.100   -26.395     1.370
   SRCPARAM A0000082     1.4719E-08     5.870    86.702     9.100   -26.395     1.370
   SRCPARAM A0000083     1.4719E-08     5.870    86.702     9.100   -26.395     1.370
   SRCPARAM A0000084     1.4719E-08     5.870    86.702     9.100   -26.395     1.370
   SRCPARAM A0000085     1.4719E-08     5.870    86.702     9.100   -26.395     1.370
   SRCPARAM A0000086     1.4719E-08     5.870    86.702     9.100   -26.395     1.370
   SRCPARAM A0000087     1.4719E-08     5.870    86.702     9.100   -26.395     1.370
   SRCPARAM A0000088     1.4719E-08     5.870    86.702     9.100   -26.395     1.370
   SRCPARAM A0000089     1.4719E-08     5.870    86.702     9.100   -26.395     1.370
   SRCPARAM A0000090     1.4719E-08     5.870    87.645     9.100   -26.696     1.370
   SRCPARAM A0000091     1.4719E-08     5.870    87.645     9.100   -26.696     1.370
   SRCPARAM A0000092     1.4719E-08     5.870    87.645     9.100   -26.696     1.370
   SRCPARAM A0000093     1.4719E-08     5.870    87.645     9.100   -26.696     1.370
   SRCPARAM A0000094     1.4719E-08     5.870    87.645     9.100   -26.696     1.370
   SRCPARAM A0000095     1.4719E-08     5.870    87.645     9.100   -26.696     1.370
   SRCPARAM A0000096     1.4719E-08     5.870    87.645     9.100   -26.696     1.370
   SRCPARAM A0000097     1.4719E-08     5.870    87.645     9.100   -26.696     1.370
   SRCPARAM A0000098     1.4719E-08     5.870    87.645     9.100   -26.696     1.370
   SRCPARAM A0000099     1.4719E-08     5.870    87.645     9.100   -26.696     1.370
   SRCPARAM A0000100     1.4719E-08     5.870    87.645     9.100   -26.696     1.370
   SRCPARAM A0000101     1.4719E-08     5.870    87.645     9.100   -26.696     1.370
   SRCPARAM A0000102     1.4719E-08     5.870    87.645     9.100   -26.696     1.370
   SRCPARAM A0000103     1.4719E-08     5.870    87.645     9.100   -26.696     1.370
   SRCPARAM A0000104     1.4719E-08     5.870    87.645     9.100   -26.696     1.370
   SRCPARAM A0000105     1.4719E-08     5.870    87.645     9.100   -26.696     1.370
   SRCPARAM A0000106     1.4719E-08     5.870    87.645     9.100   -26.696     1.370
   SRCPARAM A0000107     1.4719E-08     5.870    87.645     9.100   -26.696     1.370
   SRCPARAM A0000108     1.4719E-08     5.870    88.545     9.100   -26.565     1.370
   SRCPARAM A0000109     1.4719E-08     5.870    88.545     9.100   -26.565     1.370
   SRCPARAM A0000110     1.4719E-08     5.870    88.545     9.100   -26.565     1.370
   SRCPARAM A0000111     1.4719E-08     5.870    88.545     9.100   -26.565     1.370
   SRCPARAM A0000112     1.4719E-08     5.870    88.545     9.100   -26.565     1.370
   SRCPARAM A0000113     1.4719E-08     5.870    88.545     9.100   -26.565     1.370
   SRCPARAM A0000114     1.4719E-08     5.870    88.545     9.100   -26.565     1.370
   SRCPARAM A0000115     1.4719E-08     5.870    88.545     9.100   -26.565     1.370
   SRCPARAM A0000116     1.4719E-08     5.870    88.545     9.100   -26.565     1.370
   SRCPARAM A0000117     1.4719E-08     5.870    88.545     9.100   -26.565     1.370
   SRCPARAM A0000118     1.4719E-08     5.870    88.545     9.100   -26.565     1.370
   SRCPARAM A0000119     1.4719E-08     5.870    88.545     9.100   -26.565     1.370
   SRCPARAM A0000120     1.4719E-08     5.870    84.813     9.100   -27.229     1.370
   SRCPARAM A0000121     1.4719E-08     5.870    84.813     9.100   -27.229     1.370
   SRCPARAM A0000122     1.4719E-08     5.870    84.813     9.100   -27.229     1.370
   SRCPARAM A0000123     1.4719E-08     5.870    84.813     9.100   -27.229     1.370
   SRCPARAM A0000124     1.4719E-08     5.870    84.813     9.100   -27.229     1.370
   SRCPARAM A0000125     1.4719E-08     5.870    84.813     9.100   -27.229     1.370
   SRCPARAM A0000126     1.4719E-08     5.870    84.813     9.100   -27.229     1.370
   SRCPARAM A0000127     1.4719E-08     5.870    84.813     9.100   -27.229     1.370
   SRCPARAM A0000128     1.4719E-08     5.870    84.813     9.100   -27.229     1.370
   SRCPARAM A0000129     1.4719E-08     5.870    84.813     9.100   -27.229     1.370
   SRCPARAM A0000130     1.4719E-08     5.870    84.813     9.100   -27.229     1.370
   SRCPARAM A0000131     1.4719E-08     5.870    68.446     9.100   -25.560     1.370
   SRCPARAM A0000132     1.4719E-08     5.870    68.446     9.100   -25.560     1.370
   SRCPARAM A0000133     1.4719E-08     5.870    68.446     9.100   -25.560     1.370
** ------------------------------------------------------------------
```

```
** LINE AREA Source ID = TRALATH_S1_N
   SRCPARAM A0000134     1.4719E-08    10.980    83.359     9.100   -26.211     2.550
   SRCPARAM A0000135     1.4719E-08    10.980    83.359     9.100   -26.211     2.550
   SRCPARAM A0000136     1.4719E-08    10.980    83.359     9.100   -26.211     2.550
   SRCPARAM A0000137     1.4719E-08    10.980    83.359     9.100   -26.211     2.550
   SRCPARAM A0000138     1.4719E-08    10.980    83.359     9.100   -26.211     2.550
   SRCPARAM A0000139     1.4719E-08    10.980    83.359     9.100   -26.211     2.550
   SRCPARAM A0000140     1.4719E-08    10.980    83.359     9.100   -26.211     2.550
   SRCPARAM A0000141     1.4719E-08    10.980    84.162     9.100   -27.457     2.550
   SRCPARAM A0000142     1.4719E-08    10.980    84.162     9.100   -27.457     2.550
   SRCPARAM A0000143     1.4719E-08    10.980    84.162     9.100   -27.457     2.550
   SRCPARAM A0000144     1.4719E-08    10.980    84.162     9.100   -27.457     2.550
   SRCPARAM A0000145     1.4719E-08    10.980    84.162     9.100   -27.457     2.550
   SRCPARAM A0000146     1.4719E-08    10.980    84.162     9.100   -27.457     2.550
   SRCPARAM A0000147     1.4719E-08    10.980    84.162     9.100   -27.457     2.550
   SRCPARAM A0000148     1.4719E-08    10.980    84.162     9.100   -27.457     2.550
   SRCPARAM A0000149     1.4719E-08    10.980    84.162     9.100   -27.457     2.550
   SRCPARAM A0000150     1.4719E-08    10.980    84.162     9.100   -27.457     2.550
   SRCPARAM A0000151     1.4719E-08    10.980    84.162     9.100   -27.457     2.550
   SRCPARAM A0000152     1.4719E-08    10.980    85.849     9.100   -25.964     2.550
   SRCPARAM A0000153     1.4719E-08    10.980    85.849     9.100   -25.964     2.550
   SRCPARAM A0000154     1.4719E-08    10.980    85.849     9.100   -25.964     2.550
   SRCPARAM A0000155     1.4719E-08    10.980    85.849     9.100   -25.964     2.550
   SRCPARAM A0000156     1.4719E-08    10.980    85.849     9.100   -25.964     2.550
   SRCPARAM A0000157     1.4719E-08    10.980    85.849     9.100   -25.964     2.550
   SRCPARAM A0000158     1.4719E-08    10.980    85.849     9.100   -25.964     2.550
   SRCPARAM A0000159     1.4719E-08    10.980    85.849     9.100   -25.964     2.550
   SRCPARAM A0000160     1.4719E-08    10.980    85.849     9.100   -25.964     2.550
   SRCPARAM A0000161     1.4719E-08    10.980    85.849     9.100   -25.964     2.550
   SRCPARAM A0000162     1.4719E-08    10.980    85.849     9.100   -25.964     2.550
   SRCPARAM A0000163     1.4719E-08    10.980    85.849     9.100   -25.964     2.550
   SRCPARAM A0000164     1.4719E-08    10.980    89.446     9.100   -26.757     2.550
   SRCPARAM A0000165     1.4719E-08    10.980    89.446     9.100   -26.757     2.550
   SRCPARAM A0000166     1.4719E-08    10.980    89.446     9.100   -26.757     2.550
   SRCPARAM A0000167     1.4719E-08    10.980    89.446     9.100   -26.757     2.550
   SRCPARAM A0000168     1.4719E-08    10.980    89.446     9.100   -26.757     2.550
   SRCPARAM A0000169     1.4719E-08    10.980    89.446     9.100   -26.757     2.550
   SRCPARAM A0000170     1.4719E-08    10.980    89.446     9.100   -26.757     2.550
   SRCPARAM A0000171     1.4719E-08    10.980    89.446     9.100   -26.757     2.550
   SRCPARAM A0000172     1.4719E-08    10.980    89.446     9.100   -26.757     2.550
   SRCPARAM A0000173     1.4719E-08    10.980    89.446     9.100   -26.757     2.550
   SRCPARAM A0000174     1.4719E-08    10.980    89.446     9.100   -26.757     2.550
   SRCPARAM A0000175     1.4719E-08    10.980    89.446     9.100   -26.757     2.550
   SRCPARAM A0000176     1.4719E-08    10.980    86.067     9.100   -27.897     2.550
   SRCPARAM A0000177     1.4719E-08    10.980    86.067     9.100   -27.897     2.550
   SRCPARAM A0000178     1.4719E-08    10.980    86.067     9.100   -27.897     2.550
   SRCPARAM A0000179     1.4719E-08    10.980    86.067     9.100   -27.897     2.550
   SRCPARAM A0000180     1.4719E-08    10.980    86.067     9.100   -27.897     2.550
   SRCPARAM A0000181     1.4719E-08    10.980    86.067     9.100   -27.897     2.550
   SRCPARAM A0000182     1.4719E-08    10.980    86.067     9.100   -27.897     2.550
   SRCPARAM A0000183     1.4719E-08    10.980    86.067     9.100   -27.897     2.550
   SRCPARAM A0000184     1.4719E-08    10.980    86.067     9.100   -27.897     2.550
   SRCPARAM A0000185     1.4719E-08    10.980    90.046     9.100   -26.565     2.550
   SRCPARAM A0000186     1.4719E-08    10.980    90.046     9.100   -26.565     2.550
   SRCPARAM A0000187     1.4719E-08    10.980    90.046     9.100   -26.565     2.550
   SRCPARAM A0000188     1.4719E-08    10.980    90.046     9.100   -26.565     2.550
   SRCPARAM A0000189     1.4719E-08    10.980    90.046     9.100   -26.565     2.550
   SRCPARAM A0000190     1.4719E-08    10.980    90.046     9.100   -26.565     2.550
   SRCPARAM A0000191     1.4719E-08    10.980    90.046     9.100   -26.565     2.550
   SRCPARAM A0000192     1.4719E-08    10.980    90.046     9.100   -26.565     2.550
   SRCPARAM A0000193     1.4719E-08    10.980    90.046     9.100   -26.565     2.550
   SRCPARAM A0000194     1.4719E-08    10.980    90.046     9.100   -26.565     2.550
   SRCPARAM A0000195     1.4719E-08    10.980    90.046     9.100   -26.565     2.550
   SRCPARAM A0000196     1.4719E-08    10.980    90.046     9.100   -26.565     2.550
   SRCPARAM A0000197     1.4719E-08    10.980    86.445     9.100   -26.764     2.550
   SRCPARAM A0000198     1.4719E-08    10.980    86.445     9.100   -26.764     2.550
   SRCPARAM A0000199     1.4719E-08    10.980    86.445     9.100   -26.764     2.550
   SRCPARAM A0000200     1.4719E-08    10.980    86.445     9.100   -26.764     2.550
   SRCPARAM A0000201     1.4719E-08    10.980    86.445     9.100   -26.764     2.550
   SRCPARAM A0000202     1.4719E-08    10.980    86.445     9.100   -26.764     2.550
   SRCPARAM A0000203     1.4719E-08    10.980    86.445     9.100   -26.764     2.550
   SRCPARAM A0000204     1.4719E-08    10.980    86.445     9.100   -26.764     2.550
   SRCPARAM A0000205     1.4719E-08    10.980    86.445     9.100   -26.764     2.550
   SRCPARAM A0000206     1.4719E-08    10.980    86.445     9.100   -26.764     2.550
   SRCPARAM A0000207     1.4719E-08    10.980    86.445     9.100   -26.764     2.550
   SRCPARAM A0000208     1.4719E-08    10.980    86.445     9.100   -26.764     2.550
   SRCPARAM A0000209     1.4719E-08    10.980    86.702     9.100   -26.395     2.550
   SRCPARAM A0000210     1.4719E-08    10.980    86.702     9.100   -26.395     2.550
   SRCPARAM A0000211     1.4719E-08    10.980    86.702     9.100   -26.395     2.550
   SRCPARAM A0000212     1.4719E-08    10.980    86.702     9.100   -26.395     2.550
   SRCPARAM A0000213     1.4719E-08    10.980    86.702     9.100   -26.395     2.550
   SRCPARAM A0000214     1.4719E-08    10.980    86.702     9.100   -26.395     2.550
   SRCPARAM A0000215     1.4719E-08    10.980    86.702     9.100   -26.395     2.550
   SRCPARAM A0000216     1.4719E-08    10.980    86.702     9.100   -26.395     2.550
   SRCPARAM A0000217     1.4719E-08    10.980    86.702     9.100   -26.395     2.550
   SRCPARAM A0000218     1.4719E-08    10.980    86.702     9.100   -26.395     2.550
   SRCPARAM A0000219     1.4719E-08    10.980    86.702     9.100   -26.395     2.550
   SRCPARAM A0000220     1.4719E-08    10.980    86.702     9.100   -26.395     2.550
   SRCPARAM A0000221     1.4719E-08    10.980    86.702     9.100   -26.395     2.550
   SRCPARAM A0000222     1.4719E-08    10.980    86.702     9.100   -26.395     2.550
   SRCPARAM A0000223     1.4719E-08    10.980    87.645     9.100   -26.696     2.550
   SRCPARAM A0000224     1.4719E-08    10.980    87.645     9.100   -26.696     2.550
   SRCPARAM A0000225     1.4719E-08    10.980    87.645     9.100   -26.696     2.550
   SRCPARAM A0000226     1.4719E-08    10.980    87.645     9.100   -26.696     2.550
   SRCPARAM A0000227     1.4719E-08    10.980    87.645     9.100   -26.696     2.550
```

```
   SRCPARAM A0000228     1.4719E-08    10.980    87.645     9.100   -26.696     2.550
   SRCPARAM A0000229     1.4719E-08    10.980    87.645     9.100   -26.696     2.550
   SRCPARAM A0000230     1.4719E-08    10.980    87.645     9.100   -26.696     2.550
   SRCPARAM A0000231     1.4719E-08    10.980    87.645     9.100   -26.696     2.550
   SRCPARAM A0000232     1.4719E-08    10.980    87.645     9.100   -26.696     2.550
   SRCPARAM A0000233     1.4719E-08    10.980    87.645     9.100   -26.696     2.550
   SRCPARAM A0000234     1.4719E-08    10.980    87.645     9.100   -26.696     2.550
   SRCPARAM A0000235     1.4719E-08    10.980    87.645     9.100   -26.696     2.550
   SRCPARAM A0000236     1.4719E-08    10.980    87.645     9.100   -26.696     2.550
   SRCPARAM A0000237     1.4719E-08    10.980    87.645     9.100   -26.696     2.550
   SRCPARAM A0000238     1.4719E-08    10.980    87.645     9.100   -26.696     2.550
   SRCPARAM A0000239     1.4719E-08    10.980    87.645     9.100   -26.696     2.550
   SRCPARAM A0000240     1.4719E-08    10.980    87.645     9.100   -26.696     2.550
   SRCPARAM A0000241     1.4719E-08    10.980    88.545     9.100   -26.565     2.550
   SRCPARAM A0000242     1.4719E-08    10.980    88.545     9.100   -26.565     2.550
   SRCPARAM A0000243     1.4719E-08    10.980    88.545     9.100   -26.565     2.550
   SRCPARAM A0000244     1.4719E-08    10.980    88.545     9.100   -26.565     2.550
   SRCPARAM A0000245     1.4719E-08    10.980    88.545     9.100   -26.565     2.550
   SRCPARAM A0000246     1.4719E-08    10.980    88.545     9.100   -26.565     2.550
   SRCPARAM A0000247     1.4719E-08    10.980    88.545     9.100   -26.565     2.550
   SRCPARAM A0000248     1.4719E-08    10.980    88.545     9.100   -26.565     2.550
   SRCPARAM A0000249     1.4719E-08    10.980    88.545     9.100   -26.565     2.550
   SRCPARAM A0000250     1.4719E-08    10.980    88.545     9.100   -26.565     2.550
   SRCPARAM A0000251     1.4719E-08    10.980    88.545     9.100   -26.565     2.550
   SRCPARAM A0000252     1.4719E-08    10.980    88.545     9.100   -26.565     2.550
   SRCPARAM A0000253     1.4719E-08    10.980    84.813     9.100   -27.229     2.550
   SRCPARAM A0000254     1.4719E-08    10.980    84.813     9.100   -27.229     2.550
   SRCPARAM A0000255     1.4719E-08    10.980    84.813     9.100   -27.229     2.550
   SRCPARAM A0000256     1.4719E-08    10.980    84.813     9.100   -27.229     2.550
   SRCPARAM A0000257     1.4719E-08    10.980    84.813     9.100   -27.229     2.550
   SRCPARAM A0000258     1.4719E-08    10.980    84.813     9.100   -27.229     2.550
   SRCPARAM A0000259     1.4719E-08    10.980    84.813     9.100   -27.229     2.550
   SRCPARAM A0000260     1.4719E-08    10.980    84.813     9.100   -27.229     2.550
   SRCPARAM A0000261     1.4719E-08    10.980    84.813     9.100   -27.229     2.550
   SRCPARAM A0000262     1.4719E-08    10.980    84.813     9.100   -27.229     2.550
   SRCPARAM A0000263     1.4719E-08    10.980    84.813     9.100   -27.229     2.550
   SRCPARAM A0000264     1.4719E-08    10.980    68.446     9.100   -25.560     2.550
   SRCPARAM A0000265     1.4719E-08    10.980    68.446     9.100   -25.560     2.550
   SRCPARAM A0000266     1.4719E-08    10.980    68.446     9.100   -25.560     2.550
** ------------------------------------------------------------------------
   URBANSRC ALL

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Day"
   EMISFACT A0000001     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000001     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000001     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000001     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000002     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000002     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000002     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000002     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000003     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000003     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000003     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000003     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000004     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000004     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000004     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000004     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000005     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000005     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000005     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000005     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000006     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000006     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000006     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000006     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000007     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000007     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000007     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000007     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000008     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000008     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000008     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000008     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000009     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000009     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000009     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000009     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000010     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000010     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000010     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000010     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000011     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000011     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000011     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000011     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000012     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000012     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000013     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
```

```
EMISFACT A0000013     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000014     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000014     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000014     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000014     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000015     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000015     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000015     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000015     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000016     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000016     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000016     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000016     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000017     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000017     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000017     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000017     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000018     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000018     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000018     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000018     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000019     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000019     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000019     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000019     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000020     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000020     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000020     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000020     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000021     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000021     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000021     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000021     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000022     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000022     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000022     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000022     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000023     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000023     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000023     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000023     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000024     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000024     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000024     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000024     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000025     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000025     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000025     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000025     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000026     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000026     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000026     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000026     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000027     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000027     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000027     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000027     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000028     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000028     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000028     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000028     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000029     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000029     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000029     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000029     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000030     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000030     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000030     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000030     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000031     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000031     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000031     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000031     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000032     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000032     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000032     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000032     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000033     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000033     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000033     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000033     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000034     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000034     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000034     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000034     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000035     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000035     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000035     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000035     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000036     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000036     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000036     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000036     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000037     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000037     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
```

```
EMISFACT A0000037     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000037     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000038     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000038     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000038     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000038     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000039     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000039     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000039     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000039     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000040     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000040     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000040     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000040     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000041     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000041     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000041     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000041     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000042     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000042     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000042     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000042     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000043     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000043     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000043     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000043     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000044     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000044     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000044     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000044     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000045     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000045     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000045     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000045     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000046     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000046     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000046     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000046     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000047     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000047     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000047     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000047     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000048     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000048     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000048     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000048     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000049     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000049     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000049     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000049     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000050     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000050     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000050     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000050     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000051     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000051     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000051     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000051     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000052     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000052     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000052     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000052     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000053     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000053     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000053     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000053     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000054     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000054     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000054     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000054     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000055     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000055     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000055     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000055     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000056     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000056     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000056     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000056     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000057     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000057     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000057     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000057     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000058     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000058     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000058     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000058     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000059     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000059     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000059     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000059     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000060     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000060     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000060     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000060     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000061     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT A0000061     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000061     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000061     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000062     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000062     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000062     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000062     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000063     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000063     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000063     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000063     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000064     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000064     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000064     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000064     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000065     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000065     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000065     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000065     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000066     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000066     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000066     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000066     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000067     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000067     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000067     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000067     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000068     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000068     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000068     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000068     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000069     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000069     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000069     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000069     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000070     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000070     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000070     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000070     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000071     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000071     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000071     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000071     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000072     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000072     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000072     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000072     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000073     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000073     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000073     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000073     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000074     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000074     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000074     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000074     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000075     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000075     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000075     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000075     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000076     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000076     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000076     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000076     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000077     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000077     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000077     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000077     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000078     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000078     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000078     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000078     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000079     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000079     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000079     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000079     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000080     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000080     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000080     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000080     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000081     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000081     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000081     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000081     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000082     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000082     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000082     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000082     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000083     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000083     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000083     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000083     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000084     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000084     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000084     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000084     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT A0000085     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000085     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000085     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000085     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000086     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000086     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000086     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000086     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000087     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000087     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000087     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000087     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000088     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000088     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000088     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000088     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000089     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000089     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000089     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000089     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000090     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000090     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000090     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000090     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000091     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000091     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000091     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000091     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000092     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000092     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000092     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000092     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000093     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000093     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000093     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000093     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000094     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000094     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000094     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000094     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000095     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000095     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000095     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000095     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000096     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000096     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000096     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000096     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000097     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000097     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000097     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000097     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000098     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000098     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000098     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000098     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000099     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000099     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000099     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000099     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000100     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000100     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000100     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000100     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000101     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000101     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000101     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000101     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000102     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000102     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000102     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000102     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000103     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000103     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000103     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000103     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000104     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000104     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000104     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000104     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000105     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000105     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000105     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000105     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000106     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000106     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000106     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000106     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000107     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000107     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000107     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000107     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000108     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000108     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000108     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
```

```
EMISFACT A0000108     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000109     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000109     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000109     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000109     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000110     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000110     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000110     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000110     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000111     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000111     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000111     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000111     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000112     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000112     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000112     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000112     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000113     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000113     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000113     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000113     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000114     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000114     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000114     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000114     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000115     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000115     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000115     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000115     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000116     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000116     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000116     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000116     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000117     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000117     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000117     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000117     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000118     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000118     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000118     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000118     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000119     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000119     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000119     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000119     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000120     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000120     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000120     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000120     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000121     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000121     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000121     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000121     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000122     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000122     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000122     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000122     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000123     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000123     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000123     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000123     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000124     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000124     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000124     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000124     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000125     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000125     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000125     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000125     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000126     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000126     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000126     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000126     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000127     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000127     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000127     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000127     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000128     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000128     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000128     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000128     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000129     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000129     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000129     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000129     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000130     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000130     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000130     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000130     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000131     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000131     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000131     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000131     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000132     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000132     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT A0000132     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000132     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000133     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000133     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000133     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000133     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Night"
   EMISFACT A0000134     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000134     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000134     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000134     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000135     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000135     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000135     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000135     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000136     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000136     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000136     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000136     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000137     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000137     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000137     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000137     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000138     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000138     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000138     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000138     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000139     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000139     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000139     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000139     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000140     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000140     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000140     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000140     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000141     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000141     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000141     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000141     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000142     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000142     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000142     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000142     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000143     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000143     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000143     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000143     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000144     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000144     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000144     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000144     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000145     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000145     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000145     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000145     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000146     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000146     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000146     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000146     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000147     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000147     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000147     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000147     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000148     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000148     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000148     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000148     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000149     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000149     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000149     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000149     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000150     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000150     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000150     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000150     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000151     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000151     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000151     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000151     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000152     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000152     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000152     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000152     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000153     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000153     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000153     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000153     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000154     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000154     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000154     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000154     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000155     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000155     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
```

```
EMISFACT A0000155     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000155     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000156     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000156     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000156     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000156     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000157     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000157     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000157     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000157     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000158     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000158     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000158     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000158     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000159     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000159     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000159     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000159     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000160     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000160     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000160     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000160     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000161     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000161     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000161     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000161     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000162     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000162     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000162     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000162     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000163     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000163     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000163     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000163     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000164     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000164     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000164     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000164     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000165     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000165     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000165     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000165     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000166     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000166     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000166     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000166     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000167     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000167     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000167     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000167     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000168     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000168     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000168     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000168     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000169     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000169     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000169     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000169     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000170     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000170     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000170     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000170     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000171     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000171     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000171     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000171     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000172     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000172     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000172     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000172     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000173     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000173     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000173     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000173     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000174     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000174     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000174     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000174     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000175     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000175     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000175     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000175     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000176     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000176     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000176     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000176     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000177     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000177     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000177     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000177     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000178     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000178     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000178     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000178     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000179     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
```

```
EMISFACT A0000179     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000179     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000179     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000180     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000180     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000180     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000180     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000181     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000181     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000181     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000181     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000182     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000182     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000182     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000182     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000183     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000183     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000183     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000183     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000184     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000184     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000184     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000184     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000185     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000185     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000185     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000185     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000186     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000186     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000186     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000186     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000187     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000187     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000187     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000187     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000188     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000188     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000188     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000188     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000189     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000189     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000189     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000189     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000190     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000190     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000190     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000190     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000191     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000191     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000191     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000191     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000192     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000192     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000192     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000192     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000193     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000193     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000193     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000193     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000194     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000194     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000194     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000194     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000195     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000195     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000195     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000195     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000196     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000196     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000196     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000196     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000197     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000197     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000197     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000197     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000198     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000198     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000198     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000198     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000199     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000199     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000199     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000199     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000200     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000200     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000200     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000200     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000201     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000201     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000201     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000201     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000202     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000202     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000202     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000202     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
```

```
EMISFACT A0000203     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000203     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000203     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000203     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000204     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000204     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000204     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000204     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000205     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000205     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000205     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000205     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000206     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000206     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000206     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000206     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000207     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000207     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000207     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000207     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000208     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000208     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000208     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000208     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000209     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000209     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000209     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000209     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000210     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000210     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000210     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000210     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000211     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000211     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000211     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000211     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000212     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000212     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000212     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000212     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000213     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000213     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000213     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000213     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000214     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000214     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000214     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000214     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000215     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000215     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000215     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000215     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000216     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000216     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000216     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000216     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000217     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000217     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000217     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000217     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000218     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000218     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000218     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000218     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000219     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000219     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000219     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000219     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000220     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000220     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000220     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000220     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000221     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000221     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000221     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000221     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000222     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000222     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000222     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000222     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000223     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000223     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000223     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000223     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000224     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000224     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000224     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000224     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000225     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000225     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000225     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000225     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000226     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000226     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000226     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
```

```
EMISFACT A0000226     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000227     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000227     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000227     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000227     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000228     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000228     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000228     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000228     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000229     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000229     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000229     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000229     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000230     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000230     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000230     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000230     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000231     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000231     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000231     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000231     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000232     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000232     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000232     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000232     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000233     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000233     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000233     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000233     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000234     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000234     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000234     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000234     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000235     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000235     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000235     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000235     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000236     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000236     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000236     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000236     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000237     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000237     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000237     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000237     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000238     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000238     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000238     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000238     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000239     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000239     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000239     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000239     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000240     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000240     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000240     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000240     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000241     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000241     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000241     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000241     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000242     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000242     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000242     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000242     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000243     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000243     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000243     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000243     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000244     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000244     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000244     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000244     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000245     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000245     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000245     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000245     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000246     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000246     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000246     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000246     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000247     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000247     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000247     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000247     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000248     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000248     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000248     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000248     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000249     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000249     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000249     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000249     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000250     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000250     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000250     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000250     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000251     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000251     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000251     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000251     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000252     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000252     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000252     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000252     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000253     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000253     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000253     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000253     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000254     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000254     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000254     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000254     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000255     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000255     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000255     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000255     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000256     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000256     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000256     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000256     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000257     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000257     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000257     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000257     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000258     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000258     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000258     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000258     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000259     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000259     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000259     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000259     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000260     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000260     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000260     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000260     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000261     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000261     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000261     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000261     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000262     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000262     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000262     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000262     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000263     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000263     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000263     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000263     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000264     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000264     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000264     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000264     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000265     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000265     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000265     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000265     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000266     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000266     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000266     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000266     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED Tracy-Lathrop_S1_operation_2025_DPM.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08.SFC
   PROFFILE ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08.PFL
   SURFDATA 99008 2004
   UAIRDATA 66666 2004
   PROFBASE 158.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
```

```
**
OU STARTING
   PLOTFILE ANNUAL ALL TRACY-LATHROP_S1_OPERATION_2025_DPM.AD\Tracy-Lathrop_S1_operation_2025_annual_DPM.PLT 31
   SUMMFILE Tracy-Lathrop_S1_operation_2025_DPM.sum
OU FINISHED

 *********************************
 *** SETUP Finishes Successfully ***
 *********************************
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

**Model Is Setup For Calculation of Average CONCentration Values.

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for   266 Source(s),
  for Total of   1 Urban Area(s):
  Urban Population =   4656000.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Full Conversion Assumed for NO2.
        6. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:
        FASTAREA - Use hybrid approach to optimize AREA sources;
                   also applies to LINE sources (formerly TOXICS option)
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 266 Source(s);   1 Source Group(s); and   926 Receptor(s)

               with: 0 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 0 VOLUME source(s)
                and: 266 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with   0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   158.00 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   3.8 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: Tracy-Lathrop_S1_operation_2025_DPM.err
**File for Summary of Results: Tracy-Lathrop_S1_operation_2025_DPM.sum

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000001	0	0.14719E-07	634066.9	4175087.3	40.4	5.87	83.36	9.10	-26.21	1.37	YES	HROFDY
A0000002	0	0.14719E-07	634141.7	4175124.1	38.8	5.87	83.36	9.10	-26.21	1.37	YES	HROFDY
A0000003	0	0.14719E-07	634216.4	4175161.0	38.8	5.87	83.36	9.10	-26.21	1.37	YES	HROFDY
A0000004	0	0.14719E-07	634291.2	4175197.8	37.4	5.87	83.36	9.10	-26.21	1.37	YES	HROFDY
A0000005	0	0.14719E-07	634366.0	4175234.6	37.3	5.87	83.36	9.10	-26.21	1.37	YES	HROFDY
A0000006	0	0.14719E-07	634440.8	4175271.4	35.8	5.87	83.36	9.10	-26.21	1.37	YES	HROFDY
A0000007	0	0.14719E-07	634515.6	4175308.2	35.8	5.87	83.36	9.10	-26.21	1.37	YES	HROFDY
A0000008	0	0.14719E-07	634590.5	4175345.1	34.3	5.87	84.16	9.10	-27.46	1.37	YES	HROFDY
A0000009	0	0.14719E-07	634665.2	4175383.9	34.3	5.87	84.16	9.10	-27.46	1.37	YES	HROFDY
A0000010	0	0.14719E-07	634739.8	4175422.7	32.7	5.87	84.16	9.10	-27.46	1.37	YES	HROFDY
A0000011	0	0.14719E-07	634814.5	4175461.5	32.3	5.87	84.16	9.10	-27.46	1.37	YES	HROFDY
A0000012	0	0.14719E-07	634889.2	4175500.3	31.7	5.87	84.16	9.10	-27.46	1.37	YES	HROFDY
A0000013	0	0.14719E-07	634963.9	4175539.1	31.0	5.87	84.16	9.10	-27.46	1.37	YES	HROFDY
A0000014	0	0.14719E-07	635038.6	4175577.9	30.2	5.87	84.16	9.10	-27.46	1.37	YES	HROFDY
A0000015	0	0.14719E-07	635113.2	4175616.7	29.6	5.87	84.16	9.10	-27.46	1.37	YES	HROFDY
A0000016	0	0.14719E-07	635187.9	4175655.5	28.9	5.87	84.16	9.10	-27.46	1.37	YES	HROFDY
A0000017	0	0.14719E-07	635262.6	4175694.3	28.3	5.87	84.16	9.10	-27.46	1.37	YES	HROFDY
A0000018	0	0.14719E-07	635337.3	4175733.1	27.6	5.87	84.16	9.10	-27.46	1.37	YES	HROFDY
A0000019	0	0.14719E-07	635411.9	4175771.9	26.7	5.87	85.85	9.10	-25.96	1.37	YES	HROFDY
A0000020	0	0.14719E-07	635489.1	4175809.5	26.0	5.87	85.85	9.10	-25.96	1.37	YES	HROFDY
A0000021	0	0.14719E-07	635566.2	4175847.1	24.6	5.87	85.85	9.10	-25.96	1.37	YES	HROFDY
A0000022	0	0.14719E-07	635643.4	4175884.7	23.7	5.87	85.85	9.10	-25.96	1.37	YES	HROFDY
A0000023	0	0.14719E-07	635720.6	4175922.2	23.0	5.87	85.85	9.10	-25.96	1.37	YES	HROFDY
A0000024	0	0.14719E-07	635797.8	4175959.8	22.5	5.87	85.85	9.10	-25.96	1.37	YES	HROFDY
A0000025	0	0.14719E-07	635875.0	4175997.4	22.4	5.87	85.85	9.10	-25.96	1.37	YES	HROFDY
A0000026	0	0.14719E-07	635952.2	4176035.0	22.2	5.87	85.85	9.10	-25.96	1.37	YES	HROFDY
A0000027	0	0.14719E-07	636029.3	4176072.6	21.9	5.87	85.85	9.10	-25.96	1.37	YES	HROFDY
A0000028	0	0.14719E-07	636106.5	4176110.2	21.5	5.87	85.85	9.10	-25.96	1.37	YES	HROFDY
A0000029	0	0.14719E-07	636183.7	4176147.7	21.1	5.87	85.85	9.10	-25.96	1.37	YES	HROFDY
A0000030	0	0.14719E-07	636260.9	4176185.3	21.1	5.87	85.85	9.10	-25.96	1.37	YES	HROFDY
A0000031	0	0.14719E-07	636338.1	4176222.9	21.9	5.87	89.45	9.10	-26.76	1.37	YES	HROFDY
A0000032	0	0.14719E-07	636418.0	4176263.2	20.7	5.87	89.45	9.10	-26.76	1.37	YES	HROFDY
A0000033	0	0.14719E-07	636497.9	4176303.5	20.6	5.87	89.45	9.10	-26.76	1.37	YES	HROFDY
A0000034	0	0.14719E-07	636577.7	4176343.8	20.6	5.87	89.45	9.10	-26.76	1.37	YES	HROFDY
A0000035	0	0.14719E-07	636657.6	4176384.0	20.6	5.87	89.45	9.10	-26.76	1.37	YES	HROFDY
A0000036	0	0.14719E-07	636737.5	4176424.3	20.6	5.87	89.45	9.10	-26.76	1.37	YES	HROFDY
A0000037	0	0.14719E-07	636817.3	4176464.6	20.6	5.87	89.45	9.10	-26.76	1.37	YES	HROFDY
A0000038	0	0.14719E-07	636897.2	4176504.8	20.5	5.87	89.45	9.10	-26.76	1.37	YES	HROFDY
A0000039	0	0.14719E-07	636977.1	4176545.1	20.7	5.87	89.45	9.10	-26.76	1.37	YES	HROFDY
A0000040	0	0.14719E-07	637057.0	4176585.4	20.6	5.87	89.45	9.10	-26.76	1.37	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000041	0	0.14719E-07	637136.8	4176625.6	21.0	5.87	89.45	9.10	-26.76	1.37	YES	HROFDY
A0000042	0	0.14719E-07	637216.7	4176665.9	20.0	5.87	89.45	9.10	-26.76	1.37	YES	HROFDY
A0000043	0	0.14719E-07	637296.6	4176706.2	20.9	5.87	86.07	9.10	-27.90	1.37	YES	HROFDY
A0000044	0	0.14719E-07	637372.7	4176746.5	21.6	5.87	86.07	9.10	-27.90	1.37	YES	HROFDY
A0000045	0	0.14719E-07	637448.8	4176786.8	21.7	5.87	86.07	9.10	-27.90	1.37	YES	HROFDY
A0000046	0	0.14719E-07	637524.8	4176827.0	21.2	5.87	86.07	9.10	-27.90	1.37	YES	HROFDY
A0000047	0	0.14719E-07	637600.9	4176867.3	21.2	5.87	86.07	9.10	-27.90	1.37	YES	HROFDY
A0000048	0	0.14719E-07	637677.0	4176907.6	21.2	5.87	86.07	9.10	-27.90	1.37	YES	HROFDY
A0000049	0	0.14719E-07	637753.0	4176947.8	21.2	5.87	86.07	9.10	-27.90	1.37	YES	HROFDY
A0000050	0	0.14719E-07	637829.1	4176988.1	21.3	5.87	86.07	9.10	-27.90	1.37	YES	HROFDY
A0000051	0	0.14719E-07	637905.2	4177028.4	21.4	5.87	86.07	9.10	-27.90	1.37	YES	HROFDY
A0000052	0	0.14719E-07	637981.1	4177068.6	21.3	5.87	90.05	9.10	-26.56	1.37	YES	HROFDY
A0000053	0	0.14719E-07	638061.7	4177108.9	21.3	5.87	90.05	9.10	-26.56	1.37	YES	HROFDY
A0000054	0	0.14719E-07	638142.2	4177149.1	21.2	5.87	90.05	9.10	-26.56	1.37	YES	HROFDY
A0000055	0	0.14719E-07	638222.8	4177189.4	21.2	5.87	90.05	9.10	-26.56	1.37	YES	HROFDY
A0000056	0	0.14719E-07	638303.3	4177229.7	20.7	5.87	90.05	9.10	-26.56	1.37	YES	HROFDY
A0000057	0	0.14719E-07	638383.8	4177270.0	20.4	5.87	90.05	9.10	-26.56	1.37	YES	HROFDY
A0000058	0	0.14719E-07	638464.4	4177310.2	20.1	5.87	90.05	9.10	-26.56	1.37	YES	HROFDY
A0000059	0	0.14719E-07	638544.9	4177350.5	19.7	5.87	90.05	9.10	-26.56	1.37	YES	HROFDY
A0000060	0	0.14719E-07	638625.5	4177390.8	19.4	5.87	90.05	9.10	-26.56	1.37	YES	HROFDY
A0000061	0	0.14719E-07	638706.0	4177431.0	19.3	5.87	90.05	9.10	-26.56	1.37	YES	HROFDY
A0000062	0	0.14719E-07	638786.5	4177471.3	19.0	5.87	90.05	9.10	-26.56	1.37	YES	HROFDY
A0000063	0	0.14719E-07	638867.1	4177511.6	18.8	5.87	90.05	9.10	-26.56	1.37	YES	HROFDY
A0000064	0	0.14719E-07	638947.6	4177551.9	18.7	5.87	86.45	9.10	-26.76	1.37	YES	HROFDY
A0000065	0	0.14719E-07	639024.8	4177590.8	18.7	5.87	86.45	9.10	-26.76	1.37	YES	HROFDY
A0000066	0	0.14719E-07	639102.0	4177629.7	18.6	5.87	86.45	9.10	-26.76	1.37	YES	HROFDY
A0000067	0	0.14719E-07	639179.2	4177668.6	18.4	5.87	86.45	9.10	-26.76	1.37	YES	HROFDY
A0000068	0	0.14719E-07	639256.4	4177707.6	18.2	5.87	86.45	9.10	-26.76	1.37	YES	HROFDY
A0000069	0	0.14719E-07	639333.5	4177746.5	18.0	5.87	86.45	9.10	-26.76	1.37	YES	HROFDY
A0000070	0	0.14719E-07	639410.7	4177785.4	17.7	5.87	86.45	9.10	-26.76	1.37	YES	HROFDY
A0000071	0	0.14719E-07	639487.9	4177824.3	17.5	5.87	86.45	9.10	-26.76	1.37	YES	HROFDY
A0000072	0	0.14719E-07	639565.1	4177863.3	17.3	5.87	86.45	9.10	-26.76	1.37	YES	HROFDY
A0000073	0	0.14719E-07	639642.3	4177902.2	17.2	5.87	86.45	9.10	-26.76	1.37	YES	HROFDY
A0000074	0	0.14719E-07	639719.5	4177941.1	17.2	5.87	86.45	9.10	-26.76	1.37	YES	HROFDY
A0000075	0	0.14719E-07	639796.6	4177980.1	17.0	5.87	86.45	9.10	-26.76	1.37	YES	HROFDY
A0000076	0	0.14719E-07	639873.8	4178019.0	16.9	5.87	86.70	9.10	-26.39	1.37	YES	HROFDY
A0000077	0	0.14719E-07	639951.5	4178057.5	16.6	5.87	86.70	9.10	-26.39	1.37	YES	HROFDY
A0000078	0	0.14719E-07	640029.1	4178096.1	17.0	5.87	86.70	9.10	-26.39	1.37	YES	HROFDY
A0000079	0	0.14719E-07	640106.8	4178134.6	27.7	5.87	86.70	9.10	-26.39	1.37	YES	HROFDY
A0000080	0	0.14719E-07	640184.5	4178173.1	15.6	5.87	86.70	9.10	-26.39	1.37	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000081	0	0.14719E-07	640262.1	4178211.7	15.4	5.87	86.70	9.10	-26.39	1.37	YES	HROFDY
A0000082	0	0.14719E-07	640339.8	4178250.2	15.5	5.87	86.70	9.10	-26.39	1.37	YES	HROFDY
A0000083	0	0.14719E-07	640417.4	4178288.8	15.3	5.87	86.70	9.10	-26.39	1.37	YES	HROFDY
A0000084	0	0.14719E-07	640495.1	4178327.3	15.2	5.87	86.70	9.10	-26.39	1.37	YES	HROFDY
A0000085	0	0.14719E-07	640572.8	4178365.9	15.4	5.87	86.70	9.10	-26.39	1.37	YES	HROFDY
A0000086	0	0.14719E-07	640650.4	4178404.4	15.1	5.87	86.70	9.10	-26.39	1.37	YES	HROFDY
A0000087	0	0.14719E-07	640728.1	4178443.0	15.1	5.87	86.70	9.10	-26.39	1.37	YES	HROFDY
A0000088	0	0.14719E-07	640805.8	4178481.5	15.1	5.87	86.70	9.10	-26.39	1.37	YES	HROFDY
A0000089	0	0.14719E-07	640883.4	4178520.0	14.9	5.87	86.70	9.10	-26.39	1.37	YES	HROFDY
A0000090	0	0.14719E-07	640961.1	4178558.6	14.9	5.87	87.64	9.10	-26.70	1.37	YES	HROFDY
A0000091	0	0.14719E-07	641039.4	4178598.0	14.7	5.87	87.64	9.10	-26.70	1.37	YES	HROFDY
A0000092	0	0.14719E-07	641117.7	4178637.3	14.6	5.87	87.64	9.10	-26.70	1.37	YES	HROFDY
A0000093	0	0.14719E-07	641196.0	4178676.7	14.4	5.87	87.64	9.10	-26.70	1.37	YES	HROFDY
A0000094	0	0.14719E-07	641274.3	4178716.1	14.3	5.87	87.64	9.10	-26.70	1.37	YES	HROFDY
A0000095	0	0.14719E-07	641352.6	4178755.5	14.1	5.87	87.64	9.10	-26.70	1.37	YES	HROFDY
A0000096	0	0.14719E-07	641430.9	4178794.8	14.0	5.87	87.64	9.10	-26.70	1.37	YES	HROFDY
A0000097	0	0.14719E-07	641509.2	4178834.2	13.9	5.87	87.64	9.10	-26.70	1.37	YES	HROFDY
A0000098	0	0.14719E-07	641587.5	4178873.6	13.7	5.87	87.64	9.10	-26.70	1.37	YES	HROFDY
A0000099	0	0.14719E-07	641665.8	4178913.0	13.5	5.87	87.64	9.10	-26.70	1.37	YES	HROFDY
A0000100	0	0.14719E-07	641744.1	4178952.3	13.5	5.87	87.64	9.10	-26.70	1.37	YES	HROFDY
A0000101	0	0.14719E-07	641822.4	4178991.7	13.3	5.87	87.64	9.10	-26.70	1.37	YES	HROFDY
A0000102	0	0.14719E-07	641900.7	4179031.1	13.2	5.87	87.64	9.10	-26.70	1.37	YES	HROFDY
A0000103	0	0.14719E-07	641979.0	4179070.5	13.2	5.87	87.64	9.10	-26.70	1.37	YES	HROFDY
A0000104	0	0.14719E-07	642057.3	4179109.8	13.1	5.87	87.64	9.10	-26.70	1.37	YES	HROFDY
A0000105	0	0.14719E-07	642135.7	4179149.2	13.0	5.87	87.64	9.10	-26.70	1.37	YES	HROFDY
A0000106	0	0.14719E-07	642214.0	4179188.6	12.8	5.87	87.64	9.10	-26.70	1.37	YES	HROFDY
A0000107	0	0.14719E-07	642292.3	4179228.0	12.9	5.87	87.64	9.10	-26.70	1.37	YES	HROFDY
A0000108	0	0.14719E-07	642370.6	4179267.3	12.7	5.87	88.55	9.10	-26.56	1.37	YES	HROFDY
A0000109	0	0.14719E-07	642449.7	4179306.9	12.4	5.87	88.55	9.10	-26.56	1.37	YES	HROFDY
A0000110	0	0.14719E-07	642528.9	4179346.5	12.1	5.87	88.55	9.10	-26.56	1.37	YES	HROFDY
A0000111	0	0.14719E-07	642608.1	4179386.1	11.7	5.87	88.55	9.10	-26.56	1.37	YES	HROFDY
A0000112	0	0.14719E-07	642687.3	4179425.7	11.3	5.87	88.55	9.10	-26.56	1.37	YES	HROFDY
A0000113	0	0.14719E-07	642766.5	4179465.3	10.7	5.87	88.55	9.10	-26.56	1.37	YES	HROFDY
A0000114	0	0.14719E-07	642845.7	4179504.9	10.6	5.87	88.55	9.10	-26.56	1.37	YES	HROFDY
A0000115	0	0.14719E-07	642924.9	4179544.5	10.4	5.87	88.55	9.10	-26.56	1.37	YES	HROFDY
A0000116	0	0.14719E-07	643004.1	4179584.1	10.1	5.87	88.55	9.10	-26.56	1.37	YES	HROFDY
A0000117	0	0.14719E-07	643083.3	4179623.7	9.8	5.87	88.55	9.10	-26.56	1.37	YES	HROFDY
A0000118	0	0.14719E-07	643162.5	4179663.3	9.3	5.87	88.55	9.10	-26.56	1.37	YES	HROFDY
A0000119	0	0.14719E-07	643241.7	4179702.9	9.3	5.87	88.55	9.10	-26.56	1.37	YES	HROFDY
A0000120	0	0.14719E-07	643321.0	4179742.6	8.8	5.87	84.81	9.10	-27.23	1.37	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000121	0	0.14719E-07	643396.4	4179781.4	8.4	5.87	84.81	9.10	-27.23	1.37	YES	HROFDY
A0000122	0	0.14719E-07	643471.8	4179820.2	8.5	5.87	84.81	9.10	-27.23	1.37	YES	HROFDY
A0000123	0	0.14719E-07	643547.2	4179859.0	7.6	5.87	84.81	9.10	-27.23	1.37	YES	HROFDY
A0000124	0	0.14719E-07	643622.6	4179897.8	7.6	5.87	84.81	9.10	-27.23	1.37	YES	HROFDY
A0000125	0	0.14719E-07	643698.0	4179936.6	7.3	5.87	84.81	9.10	-27.23	1.37	YES	HROFDY
A0000126	0	0.14719E-07	643773.5	4179975.4	7.2	5.87	84.81	9.10	-27.23	1.37	YES	HROFDY
A0000127	0	0.14719E-07	643848.9	4180014.2	7.3	5.87	84.81	9.10	-27.23	1.37	YES	HROFDY
A0000128	0	0.14719E-07	643924.3	4180053.0	7.0	5.87	84.81	9.10	-27.23	1.37	YES	HROFDY
A0000129	0	0.14719E-07	643999.7	4180091.8	7.2	5.87	84.81	9.10	-27.23	1.37	YES	HROFDY
A0000130	0	0.14719E-07	644075.1	4180130.6	6.9	5.87	84.81	9.10	-27.23	1.37	YES	HROFDY
A0000131	0	0.14719E-07	644150.4	4180169.4	6.8	5.87	68.45	9.10	-25.56	1.37	YES	HROFDY
A0000132	0	0.14719E-07	644212.2	4180198.9	6.9	5.87	68.45	9.10	-25.56	1.37	YES	HROFDY
A0000133	0	0.14719E-07	644273.9	4180228.4	6.4	5.87	68.45	9.10	-25.56	1.37	YES	HROFDY
A0000134	0	0.14719E-07	634066.9	4175087.3	40.4	10.98	83.36	9.10	-26.21	2.55	YES	HROFDY
A0000135	0	0.14719E-07	634141.7	4175124.1	38.8	10.98	83.36	9.10	-26.21	2.55	YES	HROFDY
A0000136	0	0.14719E-07	634216.4	4175161.0	38.8	10.98	83.36	9.10	-26.21	2.55	YES	HROFDY
A0000137	0	0.14719E-07	634291.2	4175197.8	37.4	10.98	83.36	9.10	-26.21	2.55	YES	HROFDY
A0000138	0	0.14719E-07	634366.0	4175234.6	37.3	10.98	83.36	9.10	-26.21	2.55	YES	HROFDY
A0000139	0	0.14719E-07	634440.8	4175271.4	35.8	10.98	83.36	9.10	-26.21	2.55	YES	HROFDY
A0000140	0	0.14719E-07	634515.6	4175308.2	35.8	10.98	83.36	9.10	-26.21	2.55	YES	HROFDY
A0000141	0	0.14719E-07	634590.5	4175345.1	34.3	10.98	84.16	9.10	-27.46	2.55	YES	HROFDY
A0000142	0	0.14719E-07	634665.2	4175383.9	34.3	10.98	84.16	9.10	-27.46	2.55	YES	HROFDY
A0000143	0	0.14719E-07	634739.8	4175422.7	32.7	10.98	84.16	9.10	-27.46	2.55	YES	HROFDY
A0000144	0	0.14719E-07	634814.5	4175461.5	32.3	10.98	84.16	9.10	-27.46	2.55	YES	HROFDY
A0000145	0	0.14719E-07	634889.2	4175500.3	31.7	10.98	84.16	9.10	-27.46	2.55	YES	HROFDY
A0000146	0	0.14719E-07	634963.9	4175539.1	31.0	10.98	84.16	9.10	-27.46	2.55	YES	HROFDY
A0000147	0	0.14719E-07	635038.6	4175577.9	30.2	10.98	84.16	9.10	-27.46	2.55	YES	HROFDY
A0000148	0	0.14719E-07	635113.2	4175616.7	29.6	10.98	84.16	9.10	-27.46	2.55	YES	HROFDY
A0000149	0	0.14719E-07	635187.9	4175655.5	28.9	10.98	84.16	9.10	-27.46	2.55	YES	HROFDY
A0000150	0	0.14719E-07	635262.6	4175694.3	28.3	10.98	84.16	9.10	-27.46	2.55	YES	HROFDY
A0000151	0	0.14719E-07	635337.3	4175733.1	27.6	10.98	84.16	9.10	-27.46	2.55	YES	HROFDY
A0000152	0	0.14719E-07	635411.9	4175771.9	26.7	10.98	85.85	9.10	-25.96	2.55	YES	HROFDY
A0000153	0	0.14719E-07	635489.1	4175809.5	26.0	10.98	85.85	9.10	-25.96	2.55	YES	HROFDY
A0000154	0	0.14719E-07	635566.2	4175847.1	24.6	10.98	85.85	9.10	-25.96	2.55	YES	HROFDY
A0000155	0	0.14719E-07	635643.4	4175884.7	23.7	10.98	85.85	9.10	-25.96	2.55	YES	HROFDY
A0000156	0	0.14719E-07	635720.6	4175922.2	23.0	10.98	85.85	9.10	-25.96	2.55	YES	HROFDY
A0000157	0	0.14719E-07	635797.8	4175959.8	22.5	10.98	85.85	9.10	-25.96	2.55	YES	HROFDY
A0000158	0	0.14719E-07	635875.0	4175997.4	22.4	10.98	85.85	9.10	-25.96	2.55	YES	HROFDY
A0000159	0	0.14719E-07	635952.2	4176035.0	22.2	10.98	85.85	9.10	-25.96	2.55	YES	HROFDY
A0000160	0	0.14719E-07	636029.3	4176072.6	21.9	10.98	85.85	9.10	-25.96	2.55	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000161	0	0.14719E-07	636106.5	4176110.2	21.5	10.98	85.85	9.10	-25.96	2.55	YES	HROFDY
A0000162	0	0.14719E-07	636183.7	4176147.7	21.1	10.98	85.85	9.10	-25.96	2.55	YES	HROFDY
A0000163	0	0.14719E-07	636260.9	4176185.3	21.1	10.98	85.85	9.10	-25.96	2.55	YES	HROFDY
A0000164	0	0.14719E-07	636338.1	4176222.9	21.9	10.98	89.45	9.10	-26.76	2.55	YES	HROFDY
A0000165	0	0.14719E-07	636418.0	4176263.2	20.7	10.98	89.45	9.10	-26.76	2.55	YES	HROFDY
A0000166	0	0.14719E-07	636497.9	4176303.5	20.6	10.98	89.45	9.10	-26.76	2.55	YES	HROFDY
A0000167	0	0.14719E-07	636577.7	4176343.8	20.6	10.98	89.45	9.10	-26.76	2.55	YES	HROFDY
A0000168	0	0.14719E-07	636657.6	4176384.0	20.6	10.98	89.45	9.10	-26.76	2.55	YES	HROFDY
A0000169	0	0.14719E-07	636737.5	4176424.3	20.6	10.98	89.45	9.10	-26.76	2.55	YES	HROFDY
A0000170	0	0.14719E-07	636817.3	4176464.6	20.6	10.98	89.45	9.10	-26.76	2.55	YES	HROFDY
A0000171	0	0.14719E-07	636897.2	4176504.8	20.5	10.98	89.45	9.10	-26.76	2.55	YES	HROFDY
A0000172	0	0.14719E-07	636977.1	4176545.1	20.7	10.98	89.45	9.10	-26.76	2.55	YES	HROFDY
A0000173	0	0.14719E-07	637057.0	4176585.4	20.6	10.98	89.45	9.10	-26.76	2.55	YES	HROFDY
A0000174	0	0.14719E-07	637136.8	4176625.6	21.0	10.98	89.45	9.10	-26.76	2.55	YES	HROFDY
A0000175	0	0.14719E-07	637216.7	4176665.9	20.0	10.98	89.45	9.10	-26.76	2.55	YES	HROFDY
A0000176	0	0.14719E-07	637296.6	4176706.2	20.9	10.98	86.07	9.10	-27.90	2.55	YES	HROFDY
A0000177	0	0.14719E-07	637372.7	4176746.5	21.6	10.98	86.07	9.10	-27.90	2.55	YES	HROFDY
A0000178	0	0.14719E-07	637448.8	4176786.8	21.7	10.98	86.07	9.10	-27.90	2.55	YES	HROFDY
A0000179	0	0.14719E-07	637524.8	4176827.0	21.2	10.98	86.07	9.10	-27.90	2.55	YES	HROFDY
A0000180	0	0.14719E-07	637600.9	4176867.3	21.2	10.98	86.07	9.10	-27.90	2.55	YES	HROFDY
A0000181	0	0.14719E-07	637677.0	4176907.6	21.2	10.98	86.07	9.10	-27.90	2.55	YES	HROFDY
A0000182	0	0.14719E-07	637753.0	4176947.8	21.2	10.98	86.07	9.10	-27.90	2.55	YES	HROFDY
A0000183	0	0.14719E-07	637829.1	4176988.1	21.3	10.98	86.07	9.10	-27.90	2.55	YES	HROFDY
A0000184	0	0.14719E-07	637905.2	4177028.4	21.4	10.98	86.07	9.10	-27.90	2.55	YES	HROFDY
A0000185	0	0.14719E-07	637981.1	4177068.6	21.3	10.98	90.05	9.10	-26.56	2.55	YES	HROFDY
A0000186	0	0.14719E-07	638061.7	4177108.9	21.3	10.98	90.05	9.10	-26.56	2.55	YES	HROFDY
A0000187	0	0.14719E-07	638142.2	4177149.1	21.2	10.98	90.05	9.10	-26.56	2.55	YES	HROFDY
A0000188	0	0.14719E-07	638222.8	4177189.4	21.2	10.98	90.05	9.10	-26.56	2.55	YES	HROFDY
A0000189	0	0.14719E-07	638303.3	4177229.7	20.7	10.98	90.05	9.10	-26.56	2.55	YES	HROFDY
A0000190	0	0.14719E-07	638383.8	4177270.0	20.4	10.98	90.05	9.10	-26.56	2.55	YES	HROFDY
A0000191	0	0.14719E-07	638464.4	4177310.2	20.1	10.98	90.05	9.10	-26.56	2.55	YES	HROFDY
A0000192	0	0.14719E-07	638544.9	4177350.5	19.7	10.98	90.05	9.10	-26.56	2.55	YES	HROFDY
A0000193	0	0.14719E-07	638625.5	4177390.8	19.4	10.98	90.05	9.10	-26.56	2.55	YES	HROFDY
A0000194	0	0.14719E-07	638706.0	4177431.0	19.3	10.98	90.05	9.10	-26.56	2.55	YES	HROFDY
A0000195	0	0.14719E-07	638786.5	4177471.3	19.0	10.98	90.05	9.10	-26.56	2.55	YES	HROFDY
A0000196	0	0.14719E-07	638867.1	4177511.6	18.8	10.98	90.05	9.10	-26.56	2.55	YES	HROFDY
A0000197	0	0.14719E-07	638947.6	4177551.9	18.7	10.98	86.45	9.10	-26.76	2.55	YES	HROFDY
A0000198	0	0.14719E-07	639024.8	4177590.8	18.7	10.98	86.45	9.10	-26.76	2.55	YES	HROFDY
A0000199	0	0.14719E-07	639102.0	4177629.7	18.6	10.98	86.45	9.10	-26.76	2.55	YES	HROFDY
A0000200	0	0.14719E-07	639179.2	4177668.6	18.4	10.98	86.45	9.10	-26.76	2.55	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000201	0	0.14719E-07	639256.4	4177707.6	18.2	10.98	86.45	9.10	-26.76	2.55	YES	HROFDY
A0000202	0	0.14719E-07	639333.5	4177746.5	18.0	10.98	86.45	9.10	-26.76	2.55	YES	HROFDY
A0000203	0	0.14719E-07	639410.7	4177785.4	17.7	10.98	86.45	9.10	-26.76	2.55	YES	HROFDY
A0000204	0	0.14719E-07	639487.9	4177824.3	17.5	10.98	86.45	9.10	-26.76	2.55	YES	HROFDY
A0000205	0	0.14719E-07	639565.1	4177863.3	17.3	10.98	86.45	9.10	-26.76	2.55	YES	HROFDY
A0000206	0	0.14719E-07	639642.3	4177902.2	17.2	10.98	86.45	9.10	-26.76	2.55	YES	HROFDY
A0000207	0	0.14719E-07	639719.5	4177941.1	17.2	10.98	86.45	9.10	-26.76	2.55	YES	HROFDY
A0000208	0	0.14719E-07	639796.6	4177980.1	17.0	10.98	86.45	9.10	-26.76	2.55	YES	HROFDY
A0000209	0	0.14719E-07	639873.8	4178019.0	16.9	10.98	86.70	9.10	-26.39	2.55	YES	HROFDY
A0000210	0	0.14719E-07	639951.5	4178057.5	16.6	10.98	86.70	9.10	-26.39	2.55	YES	HROFDY
A0000211	0	0.14719E-07	640029.1	4178096.1	17.0	10.98	86.70	9.10	-26.39	2.55	YES	HROFDY
A0000212	0	0.14719E-07	640106.8	4178134.6	27.7	10.98	86.70	9.10	-26.39	2.55	YES	HROFDY
A0000213	0	0.14719E-07	640184.5	4178173.1	15.6	10.98	86.70	9.10	-26.39	2.55	YES	HROFDY
A0000214	0	0.14719E-07	640262.1	4178211.7	15.4	10.98	86.70	9.10	-26.39	2.55	YES	HROFDY
A0000215	0	0.14719E-07	640339.8	4178250.2	15.5	10.98	86.70	9.10	-26.39	2.55	YES	HROFDY
A0000216	0	0.14719E-07	640417.4	4178288.8	15.3	10.98	86.70	9.10	-26.39	2.55	YES	HROFDY
A0000217	0	0.14719E-07	640495.1	4178327.3	15.2	10.98	86.70	9.10	-26.39	2.55	YES	HROFDY
A0000218	0	0.14719E-07	640572.8	4178365.9	15.4	10.98	86.70	9.10	-26.39	2.55	YES	HROFDY
A0000219	0	0.14719E-07	640650.4	4178404.4	15.1	10.98	86.70	9.10	-26.39	2.55	YES	HROFDY
A0000220	0	0.14719E-07	640728.1	4178443.0	15.1	10.98	86.70	9.10	-26.39	2.55	YES	HROFDY
A0000221	0	0.14719E-07	640805.8	4178481.5	15.1	10.98	86.70	9.10	-26.39	2.55	YES	HROFDY
A0000222	0	0.14719E-07	640883.4	4178520.0	14.9	10.98	86.70	9.10	-26.39	2.55	YES	HROFDY
A0000223	0	0.14719E-07	640961.1	4178558.6	14.9	10.98	87.64	9.10	-26.70	2.55	YES	HROFDY
A0000224	0	0.14719E-07	641039.4	4178598.0	14.7	10.98	87.64	9.10	-26.70	2.55	YES	HROFDY
A0000225	0	0.14719E-07	641117.7	4178637.3	14.6	10.98	87.64	9.10	-26.70	2.55	YES	HROFDY
A0000226	0	0.14719E-07	641196.0	4178676.7	14.4	10.98	87.64	9.10	-26.70	2.55	YES	HROFDY
A0000227	0	0.14719E-07	641274.3	4178716.1	14.3	10.98	87.64	9.10	-26.70	2.55	YES	HROFDY
A0000228	0	0.14719E-07	641352.6	4178755.5	14.1	10.98	87.64	9.10	-26.70	2.55	YES	HROFDY
A0000229	0	0.14719E-07	641430.9	4178794.8	14.0	10.98	87.64	9.10	-26.70	2.55	YES	HROFDY
A0000230	0	0.14719E-07	641509.2	4178834.2	13.9	10.98	87.64	9.10	-26.70	2.55	YES	HROFDY
A0000231	0	0.14719E-07	641587.5	4178873.6	13.7	10.98	87.64	9.10	-26.70	2.55	YES	HROFDY
A0000232	0	0.14719E-07	641665.8	4178913.0	13.5	10.98	87.64	9.10	-26.70	2.55	YES	HROFDY
A0000233	0	0.14719E-07	641744.1	4178952.3	13.5	10.98	87.64	9.10	-26.70	2.55	YES	HROFDY
A0000234	0	0.14719E-07	641822.4	4178991.7	13.3	10.98	87.64	9.10	-26.70	2.55	YES	HROFDY
A0000235	0	0.14719E-07	641900.7	4179031.1	13.2	10.98	87.64	9.10	-26.70	2.55	YES	HROFDY
A0000236	0	0.14719E-07	641979.0	4179070.5	13.2	10.98	87.64	9.10	-26.70	2.55	YES	HROFDY
A0000237	0	0.14719E-07	642057.3	4179109.8	13.1	10.98	87.64	9.10	-26.70	2.55	YES	HROFDY
A0000238	0	0.14719E-07	642135.7	4179149.2	13.0	10.98	87.64	9.10	-26.70	2.55	YES	HROFDY
A0000239	0	0.14719E-07	642214.0	4179188.6	12.8	10.98	87.64	9.10	-26.70	2.55	YES	HROFDY
A0000240	0	0.14719E-07	642292.3	4179228.0	12.9	10.98	87.64	9.10	-26.70	2.55	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000241	0	0.14719E-07	642370.6	4179267.3	12.7	10.98	88.55	9.10	-26.56	2.55	YES	HROFDY
A0000242	0	0.14719E-07	642449.7	4179306.9	12.4	10.98	88.55	9.10	-26.56	2.55	YES	HROFDY
A0000243	0	0.14719E-07	642528.9	4179346.5	12.1	10.98	88.55	9.10	-26.56	2.55	YES	HROFDY
A0000244	0	0.14719E-07	642608.1	4179386.1	11.7	10.98	88.55	9.10	-26.56	2.55	YES	HROFDY
A0000245	0	0.14719E-07	642687.3	4179425.7	11.3	10.98	88.55	9.10	-26.56	2.55	YES	HROFDY
A0000246	0	0.14719E-07	642766.5	4179465.3	10.7	10.98	88.55	9.10	-26.56	2.55	YES	HROFDY
A0000247	0	0.14719E-07	642845.7	4179504.9	10.6	10.98	88.55	9.10	-26.56	2.55	YES	HROFDY
A0000248	0	0.14719E-07	642924.9	4179544.5	10.4	10.98	88.55	9.10	-26.56	2.55	YES	HROFDY
A0000249	0	0.14719E-07	643004.1	4179584.1	10.1	10.98	88.55	9.10	-26.56	2.55	YES	HROFDY
A0000250	0	0.14719E-07	643083.3	4179623.7	9.8	10.98	88.55	9.10	-26.56	2.55	YES	HROFDY
A0000251	0	0.14719E-07	643162.5	4179663.3	9.3	10.98	88.55	9.10	-26.56	2.55	YES	HROFDY
A0000252	0	0.14719E-07	643241.7	4179702.9	9.3	10.98	88.55	9.10	-26.56	2.55	YES	HROFDY
A0000253	0	0.14719E-07	643321.0	4179742.6	8.8	10.98	84.81	9.10	-27.23	2.55	YES	HROFDY
A0000254	0	0.14719E-07	643396.4	4179781.4	8.4	10.98	84.81	9.10	-27.23	2.55	YES	HROFDY
A0000255	0	0.14719E-07	643471.8	4179820.2	8.5	10.98	84.81	9.10	-27.23	2.55	YES	HROFDY
A0000256	0	0.14719E-07	643547.2	4179859.0	7.6	10.98	84.81	9.10	-27.23	2.55	YES	HROFDY
A0000257	0	0.14719E-07	643622.6	4179897.8	7.6	10.98	84.81	9.10	-27.23	2.55	YES	HROFDY
A0000258	0	0.14719E-07	643698.0	4179936.6	7.3	10.98	84.81	9.10	-27.23	2.55	YES	HROFDY
A0000259	0	0.14719E-07	643773.5	4179975.4	7.2	10.98	84.81	9.10	-27.23	2.55	YES	HROFDY
A0000260	0	0.14719E-07	643848.9	4180014.2	7.3	10.98	84.81	9.10	-27.23	2.55	YES	HROFDY
A0000261	0	0.14719E-07	643924.3	4180053.0	7.0	10.98	84.81	9.10	-27.23	2.55	YES	HROFDY
A0000262	0	0.14719E-07	643999.7	4180091.8	7.2	10.98	84.81	9.10	-27.23	2.55	YES	HROFDY
A0000263	0	0.14719E-07	644075.1	4180130.6	6.9	10.98	84.81	9.10	-27.23	2.55	YES	HROFDY
A0000264	0	0.14719E-07	644150.4	4180169.4	6.8	10.98	68.45	9.10	-25.56	2.55	YES	HROFDY
A0000265	0	0.14719E-07	644212.2	4180198.9	6.9	10.98	68.45	9.10	-25.56	2.55	YES	HROFDY
A0000266	0	0.14719E-07	644273.9	4180228.4	6.4	10.98	68.45	9.10	-25.56	2.55	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	A0000001 , A0000002 , A0000003 , A0000004 , A0000005 , A0000006 , A0000007 , A0000008 ,
	A0000009 , A0000010 , A0000011 , A0000012 , A0000013 , A0000014 , A0000015 , A0000016 ,
	A0000017 , A0000018 , A0000019 , A0000020 , A0000021 , A0000022 , A0000023 , A0000024 ,
	A0000025 , A0000026 , A0000027 , A0000028 , A0000029 , A0000030 , A0000031 , A0000032 ,
	A0000033 , A0000034 , A0000035 , A0000036 , A0000037 , A0000038 , A0000039 , A0000040 ,
	A0000041 , A0000042 , A0000043 , A0000044 , A0000045 , A0000046 , A0000047 , A0000048 ,
	A0000049 , A0000050 , A0000051 , A0000052 , A0000053 , A0000054 , A0000055 , A0000056 ,
	A0000057 , A0000058 , A0000059 , A0000060 , A0000061 , A0000062 , A0000063 , A0000064 ,
	A0000065 , A0000066 , A0000067 , A0000068 , A0000069 , A0000070 , A0000071 , A0000072 ,
	A0000073 , A0000074 , A0000075 , A0000076 , A0000077 , A0000078 , A0000079 , A0000080 ,
	A0000081 , A0000082 , A0000083 , A0000084 , A0000085 , A0000086 , A0000087 , A0000088 ,
	A0000089 , A0000090 , A0000091 , A0000092 , A0000093 , A0000094 , A0000095 , A0000096 ,
	A0000097 , A0000098 , A0000099 , A0000100 , A0000101 , A0000102 , A0000103 , A0000104 ,
	A0000105 , A0000106 , A0000107 , A0000108 , A0000109 , A0000110 , A0000111 , A0000112 ,
	A0000113 , A0000114 , A0000115 , A0000116 , A0000117 , A0000118 , A0000119 , A0000120 ,
	A0000121 , A0000122 , A0000123 , A0000124 , A0000125 , A0000126 , A0000127 , A0000128 ,
	A0000129 , A0000130 , A0000131 , A0000132 , A0000133 , A0000134 , A0000135 , A0000136 ,
	A0000137 , A0000138 , A0000139 , A0000140 , A0000141 , A0000142 , A0000143 , A0000144 ,
	A0000145 , A0000146 , A0000147 , A0000148 , A0000149 , A0000150 , A0000151 , A0000152 ,
	A0000153 , A0000154 , A0000155 , A0000156 , A0000157 , A0000158 , A0000159 , A0000160 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	A0000161 , A0000162 , A0000163 , A0000164 , A0000165 , A0000166 , A0000167 , A0000168 ,
	A0000169 , A0000170 , A0000171 , A0000172 , A0000173 , A0000174 , A0000175 , A0000176 ,
	A0000177 , A0000178 , A0000179 , A0000180 , A0000181 , A0000182 , A0000183 , A0000184 ,
	A0000185 , A0000186 , A0000187 , A0000188 , A0000189 , A0000190 , A0000191 , A0000192 ,
	A0000193 , A0000194 , A0000195 , A0000196 , A0000197 , A0000198 , A0000199 , A0000200 ,
	A0000201 , A0000202 , A0000203 , A0000204 , A0000205 , A0000206 , A0000207 , A0000208 ,
	A0000209 , A0000210 , A0000211 , A0000212 , A0000213 , A0000214 , A0000215 , A0000216 ,
	A0000217 , A0000218 , A0000219 , A0000220 , A0000221 , A0000222 , A0000223 , A0000224 ,
	A0000225 , A0000226 , A0000227 , A0000228 , A0000229 , A0000230 , A0000231 , A0000232 ,
	A0000233 , A0000234 , A0000235 , A0000236 , A0000237 , A0000238 , A0000239 , A0000240 ,
	A0000241 , A0000242 , A0000243 , A0000244 , A0000245 , A0000246 , A0000247 , A0000248 ,
	A0000249 , A0000250 , A0000251 , A0000252 , A0000253 , A0000254 , A0000255 , A0000256 ,
	A0000257 , A0000258 , A0000259 , A0000260 , A0000261 , A0000262 , A0000263 , A0000264 ,
	A0000265 , A0000266 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	4656000.	A0000001 , A0000002 , A0000003 , A0000004 , A0000005 , A0000006 , A0000007 , A0000008 ,
		A0000009 , A0000010 , A0000011 , A0000012 , A0000013 , A0000014 , A0000015 , A0000016 ,
		A0000017 , A0000018 , A0000019 , A0000020 , A0000021 , A0000022 , A0000023 , A0000024 ,
		A0000025 , A0000026 , A0000027 , A0000028 , A0000029 , A0000030 , A0000031 , A0000032 ,
		A0000033 , A0000034 , A0000035 , A0000036 , A0000037 , A0000038 , A0000039 , A0000040 ,
		A0000041 , A0000042 , A0000043 , A0000044 , A0000045 , A0000046 , A0000047 , A0000048 ,
		A0000049 , A0000050 , A0000051 , A0000052 , A0000053 , A0000054 , A0000055 , A0000056 ,
		A0000057 , A0000058 , A0000059 , A0000060 , A0000061 , A0000062 , A0000063 , A0000064 ,
		A0000065 , A0000066 , A0000067 , A0000068 , A0000069 , A0000070 , A0000071 , A0000072 ,
		A0000073 , A0000074 , A0000075 , A0000076 , A0000077 , A0000078 , A0000079 , A0000080 ,
		A0000081 , A0000082 , A0000083 , A0000084 , A0000085 , A0000086 , A0000087 , A0000088 ,
		A0000089 , A0000090 , A0000091 , A0000092 , A0000093 , A0000094 , A0000095 , A0000096 ,
		A0000097 , A0000098 , A0000099 , A0000100 , A0000101 , A0000102 , A0000103 , A0000104 ,
		A0000105 , A0000106 , A0000107 , A0000108 , A0000109 , A0000110 , A0000111 , A0000112 ,
		A0000113 , A0000114 , A0000115 , A0000116 , A0000117 , A0000118 , A0000119 , A0000120 ,
		A0000121 , A0000122 , A0000123 , A0000124 , A0000125 , A0000126 , A0000127 , A0000128 ,
		A0000129 , A0000130 , A0000131 , A0000132 , A0000133 , A0000134 , A0000135 , A0000136 ,
		A0000137 , A0000138 , A0000139 , A0000140 , A0000141 , A0000142 , A0000143 , A0000144 ,
		A0000145 , A0000146 , A0000147 , A0000148 , A0000149 , A0000150 , A0000151 , A0000152 ,
		A0000153 , A0000154 , A0000155 , A0000156 , A0000157 , A0000158 , A0000159 , A0000160 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
		A0000161 , A0000162 , A0000163 , A0000164 , A0000165 , A0000166 , A0000167 , A0000168 ,
		A0000169 , A0000170 , A0000171 , A0000172 , A0000173 , A0000174 , A0000175 , A0000176 ,
		A0000177 , A0000178 , A0000179 , A0000180 , A0000181 , A0000182 , A0000183 , A0000184 ,
		A0000185 , A0000186 , A0000187 , A0000188 , A0000189 , A0000190 , A0000191 , A0000192 ,
		A0000193 , A0000194 , A0000195 , A0000196 , A0000197 , A0000198 , A0000199 , A0000200 ,
		A0000201 , A0000202 , A0000203 , A0000204 , A0000205 , A0000206 , A0000207 , A0000208 ,
		A0000209 , A0000210 , A0000211 , A0000212 , A0000213 , A0000214 , A0000215 , A0000216 ,
		A0000217 , A0000218 , A0000219 , A0000220 , A0000221 , A0000222 , A0000223 , A0000224 ,
		A0000225 , A0000226 , A0000227 , A0000228 , A0000229 , A0000230 , A0000231 , A0000232 ,
		A0000233 , A0000234 , A0000235 , A0000236 , A0000237 , A0000238 , A0000239 , A0000240 ,
		A0000241 , A0000242 , A0000243 , A0000244 , A0000245 , A0000246 , A0000247 , A0000248 ,
		A0000249 , A0000250 , A0000251 , A0000252 , A0000253 , A0000254 , A0000255 , A0000256 ,
		A0000257 , A0000258 , A0000259 , A0000260 , A0000261 , A0000262 , A0000263 , A0000264 ,
		A0000265 , A0000266 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000001 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000002 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000003 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000004 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000005 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000006 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000007 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000008 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000009 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000010 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000011 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000012 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000013 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000014 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000015 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000016 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000017 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000018 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000019 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000020 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000021 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000022 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000023 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000024 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000025 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000026 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000027 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000028 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000029 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000030 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000031 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000032 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000033 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000034 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000035 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000036 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000037 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000038 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000039 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000040 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000041 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000042 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000043 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000044 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000045 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000046 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000047 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000048 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000049 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000050 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000051 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000052 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000053 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000054 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000055 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000056 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000057 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000058 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000059 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000060 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000061 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000062 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000063 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000064 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000065 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000066 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000067 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000068 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000069 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000070 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000071 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000072 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000073 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000074 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000075 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000076 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000077 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000078 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000079 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000080 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000081 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000082 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000083 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000084 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000085 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000086 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000087 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000088 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000089 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000090 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000091 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000092 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000093 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000094 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000095 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000096 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000097 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000098 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000099 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000100 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000101 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000102 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000103 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000104 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000105 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000106 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000107 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000108 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000109 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000110 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000111 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000112 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000113 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000114 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000115 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000116 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000117 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000118 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000119 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000120 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000121 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000122 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000123 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000124 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000125 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000126 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000127 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000128 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000129 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000130 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000131 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000132 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000133 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000134 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000135 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000136 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000137 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000138 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000139 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000140 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000141 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000142 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000143 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000144 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000145 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000146 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000147 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000148 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000149 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000150 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000151 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000152 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000153 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000154 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000155 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000156 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000157 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000158 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000159 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000160 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000161 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000162 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000163 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000164 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000165 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000166 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000167 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000168 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000169 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000170 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000171 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000172 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000173 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000174 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000175 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000176 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000177 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000178 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000179 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000180 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000181 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000182 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000183 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000184 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000185 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000186 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000187 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000188 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000189 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000190 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000191 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000192 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000193 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000194 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000195 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000196 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000197 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000198 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000199 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000200 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000201 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000202 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000203 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000204 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000205 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000206 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000207 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000208 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000209 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000210 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000211 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000212 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000213 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000214 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000215 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000216 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000217 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000218 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000219 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000220 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000221 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000222 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000223 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000224 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000225 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000226 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000227 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000228 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000229 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000230 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000231 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000232 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000233 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000234 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000235 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000236 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000237 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000238 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000239 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000240 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000241 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000242 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000243 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000244 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000245 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000246 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000247 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000248 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000249 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000250 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000251 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000252 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000253 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000254 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000255 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000256 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000257 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000258 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000259 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000260 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000261 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000262 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000263 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000264 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000265 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000266 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(634866.6,	4175562.7,	30.4,	30.4,	0.0);	(634911.1,	4175585.4,	30.3,	30.3,	0.0);
(634955.7,	4175608.1,	29.7,	29.7,	0.0);	(635000.2,	4175630.8,	29.7,	29.7,	0.0);
(635044.8,	4175653.5,	29.0,	29.0,	0.0);	(635089.3,	4175676.2,	29.1,	29.1,	0.0);
(635133.9,	4175698.9,	28.8,	28.8,	0.0);	(635178.4,	4175721.6,	28.1,	28.1,	0.0);
(635223.0,	4175744.3,	28.4,	28.4,	0.0);	(635267.5,	4175767.0,	28.2,	28.2,	0.0);
(635312.1,	4175789.7,	27.8,	27.8,	0.0);	(635356.6,	4175812.4,	27.7,	27.7,	0.0);
(635401.2,	4175835.1,	25.7,	25.7,	0.0);	(635445.7,	4175857.8,	25.5,	25.5,	0.0);
(635490.2,	4175880.5,	24.8,	24.8,	0.0);	(635534.8,	4175903.2,	24.3,	24.3,	0.0);
(635579.4,	4175925.9,	23.6,	23.6,	0.0);	(635623.9,	4175948.6,	23.5,	23.5,	0.0);
(635668.5,	4175971.3,	22.1,	22.1,	0.0);	(635713.0,	4175994.0,	21.7,	21.7,	0.0);
(635757.6,	4176016.7,	21.3,	21.3,	0.0);	(635802.1,	4176039.4,	21.1,	21.1,	0.0);
(635846.7,	4176062.1,	21.0,	21.0,	0.0);	(635891.2,	4176084.8,	21.1,	21.1,	0.0);
(635935.8,	4176107.5,	21.0,	21.0,	0.0);	(635980.3,	4176130.2,	20.6,	20.6,	0.0);
(636024.9,	4176152.9,	20.4,	20.4,	0.0);	(636069.4,	4176175.6,	20.4,	20.4,	0.0);
(636114.0,	4176198.3,	20.4,	20.4,	0.0);	(636158.5,	4176221.0,	20.2,	20.2,	0.0);
(636203.1,	4176243.7,	20.1,	20.1,	0.0);	(636247.6,	4176266.4,	20.7,	20.7,	0.0);
(636292.2,	4176289.1,	20.7,	20.7,	0.0);	(636336.7,	4176311.8,	20.9,	20.9,	0.0);
(636381.3,	4176334.5,	20.1,	20.1,	0.0);	(636425.8,	4176357.2,	20.0,	20.0,	0.0);
(636470.4,	4176379.9,	19.9,	19.9,	0.0);	(636514.9,	4176402.6,	19.8,	19.8,	0.0);
(636559.5,	4176425.3,	19.9,	19.9,	0.0);	(636604.0,	4176448.0,	19.8,	19.8,	0.0);
(636648.6,	4176470.7,	19.9,	19.9,	0.0);	(636693.1,	4176493.4,	19.9,	19.9,	0.0);
(636737.7,	4176516.1,	19.8,	19.8,	0.0);	(636782.2,	4176538.8,	19.9,	19.9,	0.0);
(636826.8,	4176561.5,	20.1,	20.1,	0.0);	(636871.3,	4176584.2,	20.2,	20.2,	0.0);
(636915.9,	4176606.9,	20.1,	20.1,	0.0);	(636960.4,	4176629.6,	19.9,	19.9,	0.0);
(637005.0,	4176652.3,	19.8,	19.8,	0.0);	(637049.5,	4176675.0,	19.9,	19.9,	0.0);
(637094.1,	4176697.7,	19.7,	19.7,	0.0);	(637138.6,	4176720.4,	21.3,	21.3,	0.0);
(637183.2,	4176743.1,	20.0,	20.0,	0.0);	(637227.7,	4176765.8,	20.0,	20.0,	0.0);
(637272.3,	4176788.5,	20.1,	20.1,	0.0);	(637316.8,	4176811.2,	20.3,	20.3,	0.0);
(637361.4,	4176833.9,	20.4,	20.4,	0.0);	(637405.9,	4176856.6,	20.1,	20.1,	0.0);
(637450.5,	4176879.3,	20.2,	20.2,	0.0);	(637495.0,	4176902.0,	20.2,	20.2,	0.0);
(637539.6,	4176924.7,	20.1,	20.1,	0.0);	(637584.1,	4176947.4,	20.2,	20.2,	0.0);
(637628.7,	4176970.1,	20.2,	20.2,	0.0);	(637673.2,	4176992.8,	20.1,	20.1,	0.0);
(637717.8,	4177015.5,	20.0,	20.0,	0.0);	(637762.3,	4177038.2,	20.1,	20.1,	0.0);
(637806.9,	4177060.9,	19.9,	19.9,	0.0);	(637851.4,	4177083.6,	20.0,	20.0,	0.0);
(637896.0,	4177106.3,	19.8,	19.8,	0.0);	(637940.5,	4177129.0,	20.4,	20.4,	0.0);
(637985.1,	4177151.7,	20.1,	20.1,	0.0);	(638029.6,	4177174.4,	20.1,	20.1,	0.0);
(638074.2,	4177197.1,	20.3,	20.3,	0.0);	(638118.7,	4177219.8,	20.1,	20.1,	0.0);
(638163.3,	4177242.5,	20.0,	20.0,	0.0);	(638207.8,	4177265.2,	20.2,	20.2,	0.0);
(638252.4,	4177287.9,	20.3,	20.3,	0.0);	(638296.9,	4177310.6,	20.2,	20.2,	0.0);
(638341.5,	4177333.3,	19.7,	19.7,	0.0);	(638386.0,	4177356.0,	19.4,	19.4,	0.0);
(638430.6,	4177378.7,	19.3,	19.3,	0.0);	(638475.1,	4177401.4,	18.9,	18.9,	0.0);
(638519.7,	4177424.1,	18.6,	18.6,	0.0);	(638564.2,	4177446.8,	18.4,	18.4,	0.0);
(638608.8,	4177469.5,	18.6,	18.6,	0.0);	(638653.3,	4177492.2,	18.6,	18.6,	0.0);
(638697.9,	4177514.9,	18.7,	18.7,	0.0);	(638742.4,	4177537.6,	18.7,	18.7,	0.0);
(638787.0,	4177560.3,	18.4,	18.4,	0.0);	(638831.5,	4177583.0,	17.9,	17.9,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638876.1, 4177605.7,	17.7,	17.7,	0.0);	(638920.6, 4177628.4,	17.8,	17.8,	0.0);
(638965.2, 4177651.1,	17.7,	17.7,	0.0);	(639009.7, 4177673.8,	17.7,	17.7,	0.0);
(639054.3, 4177696.4,	17.2,	17.2,	0.0);	(639098.8, 4177719.1,	17.4,	17.4,	0.0);
(634645.4, 4175655.6,	31.0,	31.0,	0.0);	(634719.0, 4175627.2,	30.9,	30.9,	0.0);
(634811.6, 4175601.1,	30.9,	30.9,	0.0);	(634604.1, 4175717.8,	30.7,	30.7,	0.0);
(634690.0, 4175678.3,	30.5,	30.5,	0.0);	(634734.5, 4175701.0,	30.8,	30.8,	0.0);
(634779.1, 4175723.8,	30.3,	30.3,	0.0);	(634823.6, 4175746.4,	29.9,	29.9,	0.0);
(634868.2, 4175769.1,	28.8,	28.8,	0.0);	(634912.7, 4175791.8,	28.9,	28.9,	0.0);
(634957.3, 4175814.5,	28.8,	28.8,	0.0);	(635001.8, 4175837.2,	27.5,	27.5,	0.0);
(635046.4, 4175859.9,	27.4,	27.4,	0.0);	(635090.9, 4175882.6,	27.1,	27.1,	0.0);
(635135.5, 4175905.3,	26.9,	26.9,	0.0);	(635180.0, 4175928.0,	26.6,	26.6,	0.0);
(635224.6, 4175950.7,	26.1,	26.1,	0.0);	(635269.1, 4175973.4,	26.6,	26.6,	0.0);
(635313.7, 4175996.1,	25.3,	25.3,	0.0);	(635358.2, 4176018.8,	25.0,	25.0,	0.0);
(635402.8, 4176041.5,	24.5,	24.5,	0.0);	(635447.3, 4176064.2,	24.1,	24.1,	0.0);
(635491.9, 4176086.9,	23.3,	23.3,	0.0);	(635536.4, 4176109.6,	23.2,	23.2,	0.0);
(635581.0, 4176132.3,	22.1,	22.1,	0.0);	(635625.5, 4176155.0,	22.0,	22.0,	0.0);
(635670.1, 4176177.7,	21.2,	21.2,	0.0);	(635714.6, 4176200.4,	21.1,	21.1,	0.0);
(635759.2, 4176223.1,	20.9,	20.9,	0.0);	(635803.7, 4176245.8,	20.7,	20.7,	0.0);
(635848.3, 4176268.5,	20.6,	20.6,	0.0);	(635892.8, 4176291.2,	20.3,	20.3,	0.0);
(635937.4, 4176313.9,	20.1,	20.1,	0.0);	(635981.9, 4176336.6,	19.8,	19.8,	0.0);
(636026.5, 4176359.3,	19.7,	19.7,	0.0);	(636071.0, 4176382.0,	19.6,	19.6,	0.0);
(636115.6, 4176404.7,	19.4,	19.4,	0.0);	(636160.1, 4176427.4,	19.3,	19.3,	0.0);
(636204.7, 4176450.1,	19.4,	19.4,	0.0);	(636249.2, 4176472.8,	18.9,	18.9,	0.0);
(636293.8, 4176495.5,	19.1,	19.1,	0.0);	(636338.3, 4176518.2,	18.8,	18.8,	0.0);
(636382.9, 4176540.9,	18.7,	18.7,	0.0);	(636427.4, 4176563.6,	18.4,	18.4,	0.0);
(636472.0, 4176586.3,	18.2,	18.2,	0.0);	(636516.5, 4176609.0,	18.4,	18.4,	0.0);
(636561.1, 4176631.7,	18.6,	18.6,	0.0);	(636605.6, 4176654.4,	19.4,	19.4,	0.0);
(636650.2, 4176677.1,	19.4,	19.4,	0.0);	(636694.7, 4176699.8,	18.7,	18.7,	0.0);
(636739.3, 4176722.5,	19.3,	19.3,	0.0);	(636783.8, 4176745.2,	19.1,	19.1,	0.0);
(636828.4, 4176767.9,	19.1,	19.1,	0.0);	(636872.9, 4176790.6,	18.7,	18.7,	0.0);
(636917.5, 4176813.3,	19.4,	19.4,	0.0);	(636962.0, 4176836.0,	19.2,	19.2,	0.0);
(637006.6, 4176858.7,	18.6,	18.6,	0.0);	(637051.1, 4176881.4,	19.7,	19.7,	0.0);
(637095.7, 4176904.1,	20.0,	20.0,	0.0);	(637140.2, 4176926.8,	20.0,	20.0,	0.0);
(637184.8, 4176949.5,	19.4,	19.4,	0.0);	(637229.3, 4176972.2,	19.7,	19.7,	0.0);
(637273.9, 4176994.9,	20.1,	20.1,	0.0);	(637318.4, 4177017.6,	19.9,	19.9,	0.0);
(637363.0, 4177040.3,	20.0,	20.0,	0.0);	(637407.5, 4177063.0,	18.8,	18.8,	0.0);
(637452.1, 4177085.7,	19.6,	19.6,	0.0);	(637496.6, 4177108.4,	19.6,	19.6,	0.0);
(637541.2, 4177131.1,	19.1,	19.1,	0.0);	(637585.7, 4177153.8,	19.4,	19.4,	0.0);
(637630.3, 4177176.5,	18.8,	18.8,	0.0);	(637674.8, 4177199.2,	19.3,	19.3,	0.0);
(637719.4, 4177221.9,	19.1,	19.1,	0.0);	(637763.9, 4177244.6,	19.3,	19.3,	0.0);
(637808.5, 4177267.3,	19.8,	19.8,	0.0);	(637853.0, 4177290.0,	18.8,	18.8,	0.0);
(637897.6, 4177312.7,	18.8,	18.8,	0.0);	(637942.1, 4177335.4,	18.7,	18.7,	0.0);
(637986.7, 4177358.1,	19.7,	19.7,	0.0);	(638031.2, 4177380.8,	19.5,	19.5,	0.0);
(638075.8, 4177403.5,	19.2,	19.2,	0.0);	(638120.4, 4177426.2,	19.7,	19.7,	0.0);
(638164.9, 4177448.9,	19.6,	19.6,	0.0);	(638209.5, 4177471.6,	19.2,	19.2,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638254.0, 4177494.3,	19.2,	19.2,	0.0);	(638298.6, 4177517.0,	19.0,	19.0,	0.0);
(638343.1, 4177539.7,	19.2,	19.2,	0.0);	(638387.7, 4177562.4,	18.6,	18.6,	0.0);
(638432.2, 4177585.1,	18.7,	18.7,	0.0);	(638476.8, 4177607.8,	18.6,	18.6,	0.0);
(638521.3, 4177630.5,	18.2,	18.2,	0.0);	(638565.9, 4177653.2,	17.8,	17.8,	0.0);
(638610.4, 4177675.9,	17.6,	17.6,	0.0);	(638655.0, 4177698.6,	17.8,	17.8,	0.0);
(638699.5, 4177721.3,	17.3,	17.3,	0.0);	(638744.1, 4177744.0,	17.2,	17.2,	0.0);
(638788.6, 4177766.7,	17.1,	17.1,	0.0);	(638833.2, 4177789.4,	17.0,	17.0,	0.0);
(638877.7, 4177812.1,	16.8,	16.8,	0.0);	(638922.2, 4177834.8,	16.7,	16.7,	0.0);
(638966.8, 4177857.5,	16.5,	16.5,	0.0);	(639011.4, 4177880.2,	16.4,	16.4,	0.0);
(634763.6, 4175649.9,	30.0,	30.0,	0.0);	(634808.1, 4175672.6,	30.6,	30.6,	0.0);
(634852.7, 4175695.3,	29.6,	29.6,	0.0);	(634897.2, 4175718.0,	29.6,	29.6,	0.0);
(634941.8, 4175740.7,	28.6,	28.6,	0.0);	(634986.3, 4175763.4,	28.9,	28.9,	0.0);
(635030.9, 4175786.1,	28.5,	28.5,	0.0);	(635075.4, 4175808.8,	27.8,	27.8,	0.0);
(635120.0, 4175831.5,	27.8,	27.8,	0.0);	(635164.5, 4175854.2,	27.4,	27.4,	0.0);
(635209.1, 4175876.9,	27.1,	27.1,	0.0);	(635253.6, 4175899.6,	27.0,	27.0,	0.0);
(635298.2, 4175922.3,	26.9,	26.9,	0.0);	(635342.7, 4175945.0,	25.2,	25.2,	0.0);
(635387.3, 4175967.7,	25.3,	25.3,	0.0);	(635431.8, 4175990.4,	24.1,	24.1,	0.0);
(635476.4, 4176013.1,	23.6,	23.6,	0.0);	(635520.9, 4176035.8,	23.8,	23.8,	0.0);
(635565.5, 4176058.5,	22.4,	22.4,	0.0);	(635610.0, 4176081.2,	22.4,	22.4,	0.0);
(635654.6, 4176103.9,	21.7,	21.7,	0.0);	(635699.1, 4176126.6,	20.7,	20.7,	0.0);
(635743.7, 4176149.3,	21.2,	21.2,	0.0);	(635788.2, 4176172.0,	20.4,	20.4,	0.0);
(635832.8, 4176194.7,	21.0,	21.0,	0.0);	(635877.3, 4176217.4,	19.9,	19.9,	0.0);
(635921.9, 4176240.1,	20.1,	20.1,	0.0);	(635966.4, 4176262.8,	20.0,	20.0,	0.0);
(636011.0, 4176285.5,	19.9,	19.9,	0.0);	(636055.5, 4176308.2,	19.9,	19.9,	0.0);
(636100.1, 4176330.9,	19.8,	19.8,	0.0);	(636144.6, 4176353.5,	19.8,	19.8,	0.0);
(636189.2, 4176376.2,	19.8,	19.8,	0.0);	(636233.7, 4176398.9,	19.9,	19.9,	0.0);
(636278.3, 4176421.6,	19.8,	19.8,	0.0);	(636322.8, 4176444.3,	19.8,	19.8,	0.0);
(636367.4, 4176467.0,	19.7,	19.7,	0.0);	(636411.9, 4176489.8,	18.9,	18.9,	0.0);
(636456.5, 4176512.4,	19.3,	19.3,	0.0);	(636501.0, 4176535.1,	19.6,	19.6,	0.0);
(636545.6, 4176557.8,	18.7,	18.7,	0.0);	(636590.1, 4176580.5,	19.6,	19.6,	0.0);
(636634.7, 4176603.2,	19.3,	19.3,	0.0);	(636679.2, 4176625.9,	18.8,	18.8,	0.0);
(636723.8, 4176648.6,	19.4,	19.4,	0.0);	(636768.3, 4176671.3,	18.8,	18.8,	0.0);
(636812.9, 4176694.0,	19.4,	19.4,	0.0);	(636857.4, 4176716.8,	18.8,	18.8,	0.0);
(636902.0, 4176739.4,	19.3,	19.3,	0.0);	(636946.5, 4176762.1,	19.4,	19.4,	0.0);
(636991.1, 4176784.8,	19.1,	19.1,	0.0);	(637035.6, 4176807.5,	19.5,	19.5,	0.0);
(637080.2, 4176830.2,	18.4,	19.5,	0.0);	(637124.7, 4176852.9,	19.8,	19.8,	0.0);
(637169.3, 4176875.6,	19.9,	19.9,	0.0);	(637213.8, 4176898.3,	19.7,	19.7,	0.0);
(637258.4, 4176921.0,	20.0,	20.0,	0.0);	(637302.9, 4176943.7,	20.1,	20.1,	0.0);
(637347.5, 4176966.4,	20.4,	20.4,	0.0);	(637392.0, 4176989.1,	19.6,	19.6,	0.0);
(637436.6, 4177011.8,	19.7,	19.7,	0.0);	(637481.1, 4177034.5,	19.7,	19.7,	0.0);
(637525.7, 4177057.2,	19.8,	19.8,	0.0);	(637570.2, 4177079.9,	19.3,	19.3,	0.0);
(637614.8, 4177102.6,	19.2,	19.2,	0.0);	(637659.3, 4177125.3,	19.5,	19.5,	0.0);
(637703.9, 4177148.0,	19.8,	19.8,	0.0);	(637748.4, 4177170.7,	19.4,	19.4,	0.0);
(637793.0, 4177193.4,	19.7,	19.7,	0.0);	(637837.5, 4177216.1,	19.5,	19.5,	0.0);
(637882.1, 4177238.8,	19.2,	19.2,	0.0);	(637926.6, 4177261.5,	19.0,	19.0,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637971.2,	4177284.2,	19.5,	19.5,	0.0);	(638015.7,	4177306.9,	20.0,	20.0,	0.0);
(638060.3,	4177329.6,	19.8,	19.8,	0.0);	(638104.8,	4177352.3,	19.7,	19.7,	0.0);
(638149.4,	4177375.0,	19.9,	19.9,	0.0);	(638193.9,	4177397.7,	19.8,	19.8,	0.0);
(638238.5,	4177420.4,	19.6,	19.6,	0.0);	(638283.0,	4177443.1,	19.1,	19.1,	0.0);
(638327.6,	4177465.8,	19.3,	19.3,	0.0);	(638372.1,	4177488.5,	19.5,	19.5,	0.0);
(638416.7,	4177511.2,	18.8,	18.8,	0.0);	(638461.2,	4177533.9,	18.6,	18.6,	0.0);
(638505.8,	4177556.6,	18.5,	18.5,	0.0);	(638550.3,	4177579.3,	18.3,	18.3,	0.0);
(638594.9,	4177602.0,	18.1,	18.1,	0.0);	(638639.4,	4177624.7,	17.9,	17.9,	0.0);
(638684.0,	4177647.4,	17.8,	17.8,	0.0);	(638728.5,	4177670.1,	17.8,	17.8,	0.0);
(638773.1,	4177692.8,	17.3,	17.3,	0.0);	(638817.6,	4177715.5,	17.2,	17.2,	0.0);
(638862.2,	4177738.2,	17.1,	17.1,	0.0);	(638906.7,	4177760.9,	17.0,	17.0,	0.0);
(638951.3,	4177783.6,	16.9,	16.9,	0.0);	(638995.8,	4177806.3,	16.9,	16.9,	0.0);
(639040.4,	4177829.0,	16.7,	16.7,	0.0);	(639084.9,	4177851.7,	16.7,	16.7,	0.0);
(634856.1,	4175623.8,	29.7,	29.7,	0.0);	(634900.7,	4175646.5,	29.7,	29.7,	0.0);
(634945.2,	4175669.2,	29.1,	29.1,	0.0);	(634989.8,	4175691.9,	29.4,	29.4,	0.0);
(635034.3,	4175714.6,	28.9,	28.9,	0.0);	(635078.9,	4175737.3,	28.6,	28.6,	0.0);
(635123.4,	4175760.0,	28.4,	28.4,	0.0);	(635168.0,	4175782.7,	27.4,	27.4,	0.0);
(635212.5,	4175805.4,	27.9,	27.9,	0.0);	(635257.1,	4175828.1,	27.5,	27.5,	0.0);
(635301.6,	4175850.8,	27.0,	27.0,	0.0);	(635346.2,	4175873.4,	26.5,	26.5,	0.0);
(635390.7,	4175896.1,	25.4,	25.4,	0.0);	(635435.3,	4175918.8,	25.2,	25.2,	0.0);
(635479.8,	4175941.5,	24.5,	24.5,	0.0);	(635524.4,	4175964.2,	23.6,	23.6,	0.0);
(635568.9,	4175986.9,	22.6,	22.6,	0.0);	(635613.5,	4176009.6,	22.8,	22.8,	0.0);
(635658.0,	4176032.3,	22.1,	22.1,	0.0);	(635702.6,	4176055.0,	20.7,	20.7,	0.0);
(635747.1,	4176077.8,	21.1,	21.1,	0.0);	(635791.7,	4176100.4,	20.4,	20.4,	0.0);
(635836.2,	4176123.1,	20.5,	20.5,	0.0);	(635880.8,	4176145.8,	20.1,	20.1,	0.0);
(635925.3,	4176168.5,	20.9,	20.9,	0.0);	(635969.9,	4176191.2,	20.5,	20.5,	0.0);
(636014.4,	4176213.9,	20.4,	20.4,	0.0);	(636059.0,	4176236.6,	20.2,	20.2,	0.0);
(636103.5,	4176259.3,	20.2,	20.2,	0.0);	(636148.1,	4176282.0,	20.0,	20.0,	0.0);
(636192.6,	4176304.8,	19.5,	19.5,	0.0);	(636237.2,	4176327.4,	19.9,	19.9,	0.0);
(636281.7,	4176350.1,	20.1,	20.1,	0.0);	(636326.3,	4176372.8,	20.3,	20.3,	0.0);
(636370.8,	4176395.5,	20.0,	20.0,	0.0);	(636415.4,	4176418.2,	19.8,	19.8,	0.0);
(636459.9,	4176440.9,	19.8,	19.8,	0.0);	(636504.5,	4176463.6,	19.7,	19.7,	0.0);
(636549.0,	4176486.3,	19.5,	19.5,	0.0);	(636593.6,	4176509.0,	19.6,	19.6,	0.0);
(636638.1,	4176531.7,	19.2,	19.2,	0.0);	(636682.7,	4176554.4,	19.7,	19.7,	0.0);
(636727.2,	4176577.1,	19.8,	19.8,	0.0);	(636771.8,	4176599.8,	20.0,	20.0,	0.0);
(636816.3,	4176622.5,	20.0,	20.0,	0.0);	(636860.9,	4176645.2,	20.0,	20.0,	0.0);
(636905.5,	4176667.9,	19.9,	19.9,	0.0);	(636950.0,	4176690.6,	19.8,	19.8,	0.0);
(636994.6,	4176713.3,	19.6,	19.6,	0.0);	(637039.1,	4176736.0,	19.1,	19.1,	0.0);
(637083.7,	4176758.7,	19.8,	19.8,	0.0);	(637128.2,	4176781.4,	18.7,	19.3,	0.0);
(637172.8,	4176804.1,	19.5,	19.5,	0.0);	(637217.3,	4176826.8,	20.0,	20.0,	0.0);
(637261.9,	4176849.5,	20.2,	20.2,	0.0);	(637306.4,	4176872.2,	20.4,	20.4,	0.0);
(637351.0,	4176894.9,	20.5,	20.5,	0.0);	(637395.5,	4176917.6,	20.1,	20.1,	0.0);
(637440.1,	4176940.3,	20.1,	20.1,	0.0);	(637484.6,	4176963.0,	20.2,	20.2,	0.0);
(637529.2,	4176985.7,	19.8,	19.8,	0.0);	(637573.7,	4177008.4,	20.3,	20.3,	0.0);
(637618.2,	4177031.1,	20.3,	20.3,	0.0);	(637662.8,	4177053.8,	20.2,	20.2,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637707.4, 4177076.5,	19.6,	19.6,	0.0);	(637751.9, 4177099.2,	19.9,	19.9,	0.0);
(637796.5, 4177121.9,	19.9,	19.9,	0.0);	(637841.0, 4177144.6,	20.0,	20.0,	0.0);
(637885.6, 4177167.3,	19.7,	19.7,	0.0);	(637930.1, 4177190.0,	19.6,	19.6,	0.0);
(637974.7, 4177212.7,	19.7,	19.7,	0.0);	(638019.2, 4177235.4,	19.8,	19.8,	0.0);
(638063.8, 4177258.1,	20.0,	20.0,	0.0);	(638108.3, 4177280.8,	20.0,	20.0,	0.0);
(638152.9, 4177303.5,	20.0,	20.0,	0.0);	(638197.4, 4177326.2,	19.9,	19.9,	0.0);
(638242.0, 4177348.9,	20.1,	20.1,	0.0);	(638286.5, 4177371.6,	19.8,	19.8,	0.0);
(638331.1, 4177394.3,	19.3,	19.3,	0.0);	(638375.6, 4177417.0,	19.3,	19.3,	0.0);
(638420.2, 4177439.7,	19.1,	19.1,	0.0);	(638464.7, 4177462.4,	18.7,	18.7,	0.0);
(638509.3, 4177485.1,	18.5,	18.5,	0.0);	(638553.8, 4177507.8,	18.7,	18.7,	0.0);
(638598.4, 4177530.5,	18.5,	18.5,	0.0);	(638642.9, 4177553.2,	18.5,	18.5,	0.0);
(638687.5, 4177575.9,	18.5,	18.5,	0.0);	(638732.0, 4177598.6,	18.3,	18.3,	0.0);
(638776.6, 4177621.3,	18.1,	18.1,	0.0);	(638821.1, 4177644.0,	17.4,	17.4,	0.0);
(638865.7, 4177666.7,	17.3,	17.3,	0.0);	(638910.2, 4177689.4,	17.3,	17.3,	0.0);
(638954.8, 4177712.1,	17.3,	17.3,	0.0);	(638999.3, 4177734.8,	17.2,	17.2,	0.0);
(639043.9, 4177757.5,	17.0,	17.0,	0.0);	(639088.4, 4177780.2,	17.3,	17.3,	0.0);
(639133.0, 4177802.9,	17.2,	17.2,	0.0);	(639177.5, 4177825.6,	17.0,	17.0,	0.0);
(634648.6, 4175740.5,	29.8,	29.8,	0.0);	(634693.2, 4175763.2,	30.3,	30.3,	0.0);
(634737.7, 4175785.9,	30.2,	30.2,	0.0);	(634782.3, 4175808.6,	29.4,	29.4,	0.0);
(634826.8, 4175831.3,	29.2,	29.2,	0.0);	(634871.4, 4175854.0,	28.7,	28.7,	0.0);
(634915.9, 4175876.7,	27.9,	27.9,	0.0);	(634960.5, 4175899.4,	27.9,	27.9,	0.0);
(635005.0, 4175922.1,	27.6,	27.6,	0.0);	(635049.6, 4175944.8,	26.9,	26.9,	0.0);
(635094.1, 4175967.5,	26.7,	26.7,	0.0);	(635138.7, 4175990.2,	26.4,	26.4,	0.0);
(635183.2, 4176012.9,	25.9,	25.9,	0.0);	(635227.8, 4176035.6,	25.6,	25.6,	0.0);
(635272.3, 4176058.3,	25.4,	25.4,	0.0);	(635316.9, 4176081.0,	25.1,	25.1,	0.0);
(635361.4, 4176103.7,	24.7,	24.7,	0.0);	(635406.0, 4176126.4,	23.9,	23.9,	0.0);
(635450.5, 4176149.1,	23.2,	23.2,	0.0);	(635495.1, 4176171.8,	22.7,	22.7,	0.0);
(635539.6, 4176194.5,	22.6,	22.6,	0.0);	(635584.2, 4176217.2,	21.4,	21.4,	0.0);
(635628.7, 4176239.9,	21.6,	21.6,	0.0);	(635673.3, 4176262.6,	20.9,	20.9,	0.0);
(635717.8, 4176285.3,	20.9,	20.9,	0.0);	(635762.4, 4176308.0,	20.7,	20.7,	0.0);
(635806.9, 4176330.7,	20.3,	20.3,	0.0);	(635851.5, 4176353.4,	20.0,	20.0,	0.0);
(635896.0, 4176376.1,	19.9,	19.9,	0.0);	(635940.6, 4176398.8,	19.4,	19.4,	0.0);
(635985.1, 4176421.5,	19.8,	19.8,	0.0);	(636029.7, 4176444.2,	19.4,	19.4,	0.0);
(636074.2, 4176466.9,	18.9,	18.9,	0.0);	(636118.8, 4176489.6,	19.1,	19.1,	0.0);
(636163.3, 4176512.3,	19.0,	19.0,	0.0);	(636207.9, 4176535.0,	18.9,	18.9,	0.0);
(636252.4, 4176557.7,	18.2,	18.2,	0.0);	(636297.0, 4176580.4,	18.5,	18.5,	0.0);
(636341.5, 4176603.1,	18.6,	18.6,	0.0);	(636386.1, 4176625.8,	18.6,	18.6,	0.0);
(636430.6, 4176648.5,	18.9,	18.9,	0.0);	(636475.2, 4176671.2,	18.3,	18.3,	0.0);
(636519.7, 4176693.9,	18.4,	18.4,	0.0);	(636564.3, 4176716.6,	18.9,	18.9,	0.0);
(636608.8, 4176739.3,	19.4,	19.4,	0.0);	(636653.4, 4176762.0,	19.0,	19.0,	0.0);
(636697.9, 4176784.7,	18.4,	18.4,	0.0);	(636742.5, 4176807.4,	19.2,	19.2,	0.0);
(636787.0, 4176830.1,	19.0,	19.0,	0.0);	(636831.6, 4176852.8,	18.7,	18.7,	0.0);
(636876.1, 4176875.5,	17.9,	17.9,	0.0);	(636920.7, 4176898.2,	19.9,	19.9,	0.0);
(636965.2, 4176920.9,	20.0,	20.0,	0.0);	(637009.8, 4176943.6,	19.6,	19.6,	0.0);
(637054.3, 4176966.3,	19.8,	19.8,	0.0);	(637098.9, 4176989.0,	19.5,	19.5,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637143.4, 4177011.7,	20.0,	20.0,	0.0);	(637188.0, 4177034.4,	19.1,	19.1,	0.0);
(637232.5, 4177057.1,	19.2,	19.2,	0.0);	(637277.1, 4177079.8,	20.0,	20.0,	0.0);
(637321.6, 4177102.5,	19.7,	19.7,	0.0);	(637366.2, 4177125.2,	19.0,	19.0,	0.0);
(637410.7, 4177147.9,	19.5,	19.5,	0.0);	(637455.3, 4177170.6,	19.9,	19.9,	0.0);
(637499.8, 4177193.3,	19.2,	19.2,	0.0);	(637544.4, 4177216.0,	19.9,	19.9,	0.0);
(637588.9, 4177238.7,	19.1,	19.1,	0.0);	(637633.5, 4177261.4,	19.5,	19.5,	0.0);
(637678.0, 4177284.1,	18.8,	18.8,	0.0);	(637722.6, 4177306.8,	18.5,	18.5,	0.0);
(637767.1, 4177329.5,	18.2,	18.2,	0.0);	(637811.7, 4177352.2,	18.6,	18.6,	0.0);
(637856.2, 4177374.9,	18.6,	18.6,	0.0);	(637900.8, 4177397.5,	18.6,	18.6,	0.0);
(637945.3, 4177420.2,	18.3,	18.3,	0.0);	(637989.9, 4177442.9,	18.9,	18.9,	0.0);
(638034.4, 4177465.6,	19.2,	19.2,	0.0);	(638079.0, 4177488.3,	19.7,	19.7,	0.0);
(638123.5, 4177511.0,	19.6,	19.6,	0.0);	(638168.1, 4177533.8,	19.8,	19.8,	0.0);
(638212.6, 4177556.4,	19.7,	19.7,	0.0);	(638257.2, 4177579.1,	18.4,	18.4,	0.0);
(638301.7, 4177601.8,	18.3,	18.3,	0.0);	(638346.3, 4177624.5,	17.9,	17.9,	0.0);
(638390.8, 4177647.2,	18.3,	18.3,	0.0);	(638435.4, 4177669.9,	18.3,	18.3,	0.0);
(638479.9, 4177692.6,	18.3,	18.3,	0.0);	(638524.5, 4177715.3,	18.2,	18.2,	0.0);
(638569.0, 4177738.0,	18.0,	18.0,	0.0);	(638613.6, 4177760.8,	17.6,	17.6,	0.0);
(638658.1, 4177783.4,	17.5,	17.5,	0.0);	(638702.7, 4177806.1,	17.0,	17.0,	0.0);
(638747.2, 4177828.8,	17.1,	17.1,	0.0);	(638791.8, 4177851.5,	16.9,	16.9,	0.0);
(638836.3, 4177874.2,	16.7,	16.7,	0.0);	(638880.9, 4177896.9,	16.4,	16.4,	0.0);
(638925.4, 4177919.6,	16.3,	16.3,	0.0);	(638970.0, 4177942.3,	16.5,	16.5,	0.0);
(634539.0, 4175502.0,	33.0,	33.0,	0.0);	(634543.0, 4175570.0,	32.4,	32.4,	0.0);
(634366.0, 4175358.0,	35.4,	35.4,	0.0);	(634321.0, 4175434.0,	35.1,	35.1,	0.0);
(634312.0, 4175548.0,	34.2,	34.2,	0.0);	(634240.0, 4174930.0,	39.9,	39.9,	0.0);
(635352.0, 4175656.0,	30.2,	30.2,	0.0);	(636256.0, 4175990.0,	22.5,	22.5,	0.0);
(635960.0, 4175895.0,	22.7,	22.7,	0.0);	(636094.0, 4175941.0,	22.7,	22.7,	0.0);
(636156.0, 4175941.0,	23.0,	23.0,	0.0);	(636122.0, 4175884.0,	23.3,	23.3,	0.0);
(636135.0, 4175840.0,	23.6,	23.6,	0.0);	(636060.0, 4175859.0,	23.1,	23.1,	0.0);
(636019.0, 4175843.0,	23.1,	23.1,	0.0);	(635972.0, 4175831.0,	23.0,	23.0,	0.0);
(635912.0, 4175811.0,	23.1,	23.1,	0.0);	(635936.0, 4175746.0,	23.4,	23.4,	0.0);
(636078.0, 4175789.0,	23.7,	23.7,	0.0);	(636209.0, 4175943.0,	22.7,	22.7,	0.0);
(636377.0, 4176175.0,	21.9,	21.9,	0.0);	(636426.0, 4176153.0,	21.9,	21.9,	0.0);
(636367.0, 4176079.0,	22.4,	22.4,	0.0);	(636442.4, 4176070.5,	22.1,	22.1,	0.0);
(636523.3, 4176066.5,	21.9,	21.9,	0.0);	(636621.6, 4176064.4,	21.6,	21.6,	0.0);
(636720.7, 4176068.7,	21.7,	21.7,	0.0);	(636421.6, 4176197.7,	21.9,	21.9,	0.0);
(636466.1, 4176220.4,	21.4,	21.4,	0.0);	(636510.7, 4176243.1,	21.2,	21.2,	0.0);
(636555.2, 4176265.8,	21.0,	21.0,	0.0);	(636599.8, 4176288.5,	20.9,	20.9,	0.0);
(636644.3, 4176311.2,	20.8,	20.8,	0.0);	(636688.9, 4176333.9,	20.7,	20.7,	0.0);
(636733.4, 4176356.6,	20.8,	20.8,	0.0);	(636778.0, 4176379.3,	21.2,	21.2,	0.0);
(636822.5, 4176402.0,	21.2,	21.2,	0.0);	(636867.1, 4176424.7,	20.9,	20.9,	0.0);
(636911.6, 4176447.4,	20.9,	20.9,	0.0);	(636956.2, 4176470.1,	20.9,	20.9,	0.0);
(637000.7, 4176492.8,	20.8,	20.8,	0.0);	(637045.2, 4176515.5,	20.7,	20.7,	0.0);
(637089.8, 4176538.2,	20.5,	20.5,	0.0);	(637134.4, 4176560.9,	20.9,	20.9,	0.0);
(637178.9, 4176583.6,	21.1,	21.1,	0.0);	(637223.5, 4176606.3,	21.7,	21.7,	0.0);
(637268.0, 4176629.0,	21.5,	21.5,	0.0);	(637312.6, 4176651.7,	21.4,	21.4,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637357.1,	4176674.4,	21.4,	21.4,	0.0);	(637401.7,	4176697.1,	21.6,	21.6,	0.0);
(637446.2,	4176719.8,	21.7,	21.7,	0.0);	(637490.8,	4176742.5,	21.8,	21.8,	0.0);
(637535.3,	4176765.2,	21.8,	21.8,	0.0);	(637579.9,	4176787.9,	21.7,	21.7,	0.0);
(637624.4,	4176810.6,	21.7,	21.7,	0.0);	(637669.0,	4176833.3,	21.6,	21.6,	0.0);
(637713.5,	4176856.0,	21.3,	21.3,	0.0);	(637758.1,	4176878.7,	21.3,	21.3,	0.0);
(637802.6,	4176901.4,	21.4,	21.4,	0.0);	(637847.2,	4176924.1,	21.6,	21.6,	0.0);
(637891.7,	4176946.8,	21.6,	21.6,	0.0);	(636470.6,	4176175.7,	21.0,	21.0,	0.0);
(636515.1,	4176198.4,	21.1,	21.1,	0.0);	(636559.7,	4176221.1,	20.9,	20.9,	0.0);
(636604.2,	4176243.8,	20.6,	20.6,	0.0);	(636648.8,	4176266.5,	20.7,	20.7,	0.0);
(636693.3,	4176289.2,	20.4,	20.4,	0.0);	(636737.9,	4176311.9,	20.5,	20.5,	0.0);
(636782.4,	4176334.6,	21.0,	21.0,	0.0);	(636827.0,	4176357.3,	20.9,	20.9,	0.0);
(636871.5,	4176380.0,	20.7,	20.7,	0.0);	(636916.1,	4176402.7,	20.7,	20.7,	0.0);
(636960.6,	4176425.4,	20.4,	20.4,	0.0);	(637005.2,	4176448.1,	20.7,	20.7,	0.0);
(637049.7,	4176470.8,	20.5,	20.5,	0.0);	(637094.2,	4176493.5,	20.8,	20.8,	0.0);
(637138.8,	4176516.2,	21.4,	21.4,	0.0);	(637183.4,	4176538.9,	21.1,	21.1,	0.0);
(637227.9,	4176561.6,	21.6,	21.6,	0.0);	(637272.5,	4176584.3,	19.4,	21.2,	0.0);
(637317.0,	4176607.0,	21.1,	21.1,	0.0);	(637361.6,	4176629.7,	21.0,	21.0,	0.0);
(637406.1,	4176652.4,	21.1,	21.1,	0.0);	(637450.7,	4176675.1,	21.1,	21.1,	0.0);
(637495.2,	4176697.8,	20.9,	20.9,	0.0);	(637539.8,	4176720.5,	21.1,	21.1,	0.0);
(637584.3,	4176743.2,	21.1,	21.1,	0.0);	(637628.9,	4176765.9,	21.0,	21.0,	0.0);
(637673.4,	4176788.6,	21.7,	21.7,	0.0);	(637718.0,	4176811.3,	21.2,	21.2,	0.0);
(637762.5,	4176834.0,	21.2,	21.2,	0.0);	(637807.1,	4176856.7,	21.3,	21.3,	0.0);
(637851.6,	4176879.4,	21.4,	21.4,	0.0);	(636411.6,	4176101.7,	21.5,	21.5,	0.0);
(636456.1,	4176124.4,	21.8,	21.8,	0.0);	(636500.7,	4176147.1,	21.5,	21.5,	0.0);
(636545.2,	4176169.8,	21.4,	21.4,	0.0);	(636589.8,	4176192.5,	21.5,	21.5,	0.0);
(636634.3,	4176215.2,	20.8,	20.8,	0.0);	(636678.9,	4176237.9,	21.0,	21.0,	0.0);
(636723.4,	4176260.6,	21.2,	21.2,	0.0);	(636768.0,	4176283.3,	21.4,	21.4,	0.0);
(636812.5,	4176306.0,	21.6,	21.6,	0.0);	(636857.1,	4176328.7,	21.8,	21.8,	0.0);
(636901.6,	4176351.4,	21.0,	21.0,	0.0);	(636946.2,	4176374.1,	21.2,	21.2,	0.0);
(636990.7,	4176396.8,	20.9,	20.9,	0.0);	(637035.2,	4176419.5,	21.4,	21.4,	0.0);
(637079.8,	4176442.2,	21.5,	21.5,	0.0);	(637124.4,	4176464.9,	21.0,	21.0,	0.0);
(637168.9,	4176487.6,	21.1,	21.1,	0.0);	(637213.5,	4176510.3,	21.4,	21.4,	0.0);
(637258.0,	4176533.0,	21.5,	21.5,	0.0);	(637302.6,	4176555.7,	19.4,	21.5,	0.0);
(637347.1,	4176578.4,	21.3,	21.3,	0.0);	(637391.7,	4176601.1,	21.7,	21.7,	0.0);
(637436.2,	4176623.8,	21.4,	21.4,	0.0);	(637480.8,	4176646.5,	21.8,	21.8,	0.0);
(637525.3,	4176669.2,	21.8,	21.8,	0.0);	(637569.9,	4176691.9,	21.8,	21.8,	0.0);
(637614.4,	4176714.6,	21.8,	21.8,	0.0);	(637659.0,	4176737.3,	21.2,	21.2,	0.0);
(637703.5,	4176760.0,	21.7,	21.7,	0.0);	(637748.1,	4176782.7,	21.6,	21.6,	0.0);
(637792.6,	4176805.4,	21.9,	21.9,	0.0);	(637837.2,	4176828.1,	21.9,	21.9,	0.0);
(637881.7,	4176850.8,	21.9,	21.9,	0.0);	(636487.0,	4176092.7,	21.4,	21.4,	0.0);
(636531.5,	4176115.4,	21.5,	21.5,	0.0);	(636576.1,	4176138.1,	21.1,	21.1,	0.0);
(636620.6,	4176160.8,	21.3,	21.3,	0.0);	(636665.2,	4176183.5,	21.3,	21.3,	0.0);
(636709.7,	4176206.2,	20.7,	20.7,	0.0);	(636754.3,	4176228.9,	20.9,	20.9,	0.0);
(636798.8,	4176251.6,	21.1,	21.1,	0.0);	(636843.4,	4176274.3,	21.3,	21.3,	0.0);
(636887.9,	4176297.0,	21.8,	21.8,	0.0);	(636932.5,	4176319.7,	20.8,	20.8,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(636977.0,	4176342.4,	21.3,	21.3,	0.0);	(637021.6,	4176365.1,	21.0,	21.0,	0.0);
(637066.1,	4176387.8,	21.0,	21.0,	0.0);	(637110.7,	4176410.5,	21.3,	21.3,	0.0);
(637155.2,	4176433.2,	21.4,	21.4,	0.0);	(637199.8,	4176455.9,	21.6,	21.6,	0.0);
(637244.3,	4176478.6,	21.2,	21.2,	0.0);	(637288.9,	4176501.3,	21.6,	21.6,	0.0);
(637333.4,	4176524.0,	20.5,	20.5,	0.0);	(637378.0,	4176546.7,	21.6,	21.6,	0.0);
(637422.5,	4176569.4,	21.3,	21.3,	0.0);	(637467.1,	4176592.1,	21.9,	21.9,	0.0);
(637511.6,	4176614.8,	21.4,	21.4,	0.0);	(637556.2,	4176637.5,	21.9,	21.9,	0.0);
(637600.7,	4176660.2,	21.2,	21.2,	0.0);	(637645.3,	4176682.9,	21.9,	21.9,	0.0);
(637689.8,	4176705.6,	21.0,	21.0,	0.0);	(637734.4,	4176728.3,	21.3,	21.3,	0.0);
(637778.9,	4176751.0,	21.1,	21.1,	0.0);	(637823.5,	4176773.7,	21.3,	21.3,	0.0);
(637868.0,	4176796.4,	21.4,	21.4,	0.0);	(636567.9,	4176089.2,	21.0,	21.0,	0.0);
(636612.4,	4176111.9,	21.7,	21.7,	0.0);	(636657.0,	4176134.6,	21.1,	21.1,	0.0);
(636701.5,	4176157.3,	21.3,	21.3,	0.0);	(636746.1,	4176180.0,	21.5,	21.5,	0.0);
(636790.6,	4176202.7,	21.6,	21.6,	0.0);	(636835.2,	4176225.4,	21.8,	21.8,	0.0);
(636879.7,	4176248.1,	21.3,	21.3,	0.0);	(636924.2,	4176270.8,	21.6,	21.6,	0.0);
(636968.8,	4176293.5,	21.4,	21.4,	0.0);	(637013.4,	4176316.2,	20.9,	20.9,	0.0);
(637057.9,	4176338.9,	21.8,	21.8,	0.0);	(637102.5,	4176361.6,	21.6,	21.6,	0.0);
(637147.0,	4176384.3,	21.6,	21.6,	0.0);	(637191.6,	4176407.0,	21.4,	21.4,	0.0);
(637236.1,	4176429.7,	21.1,	21.1,	0.0);	(637280.7,	4176452.4,	21.4,	21.4,	0.0);
(637325.2,	4176475.1,	21.1,	21.1,	0.0);	(637369.8,	4176497.8,	20.7,	20.7,	0.0);
(637414.3,	4176520.5,	20.4,	21.1,	0.0);	(637458.9,	4176543.2,	21.5,	21.5,	0.0);
(637503.4,	4176565.9,	21.8,	21.8,	0.0);	(637548.0,	4176588.6,	21.3,	21.3,	0.0);
(637592.5,	4176611.3,	21.7,	21.7,	0.0);	(637637.1,	4176634.0,	21.7,	21.7,	0.0);
(637681.6,	4176656.7,	22.0,	22.0,	0.0);	(637726.2,	4176679.4,	21.5,	21.5,	0.0);
(637770.7,	4176702.1,	21.9,	21.9,	0.0);	(637815.3,	4176724.8,	21.6,	21.6,	0.0);
(637859.8,	4176747.5,	22.1,	22.1,	0.0);	(636666.1,	4176087.1,	22.1,	22.1,	0.0);
(636710.7,	4176109.8,	21.7,	21.7,	0.0);	(636755.2,	4176132.5,	21.7,	21.7,	0.0);
(636799.8,	4176155.2,	21.7,	21.7,	0.0);	(636844.3,	4176177.9,	21.9,	21.9,	0.0);
(636888.9,	4176200.6,	21.6,	21.6,	0.0);	(636933.4,	4176223.3,	21.4,	21.4,	0.0);
(636978.0,	4176246.0,	21.5,	21.5,	0.0);	(637022.5,	4176268.7,	21.6,	21.6,	0.0);
(637067.1,	4176291.4,	21.4,	21.4,	0.0);	(637111.6,	4176314.0,	21.5,	21.5,	0.0);
(637156.2,	4176336.8,	21.5,	21.5,	0.0);	(637200.7,	4176359.4,	21.5,	21.5,	0.0);
(637245.3,	4176382.1,	21.1,	21.1,	0.0);	(637289.8,	4176404.8,	21.5,	21.5,	0.0);
(637334.4,	4176427.5,	21.6,	21.6,	0.0);	(637379.0,	4176450.2,	21.3,	21.3,	0.0);
(637423.5,	4176472.9,	21.2,	21.2,	0.0);	(637468.1,	4176495.6,	21.0,	21.0,	0.0);
(637512.6,	4176518.3,	21.8,	21.8,	0.0);	(637557.2,	4176541.0,	21.3,	21.3,	0.0);
(637601.7,	4176563.8,	21.8,	21.8,	0.0);	(637646.2,	4176586.4,	21.9,	21.9,	0.0);
(637690.8,	4176609.1,	21.5,	21.5,	0.0);	(637735.4,	4176631.8,	21.2,	21.2,	0.0);
(637779.9,	4176654.5,	21.6,	21.6,	0.0);	(637824.5,	4176677.2,	21.8,	21.8,	0.0);
(637869.0,	4176699.9,	21.7,	21.7,	0.0);	(636765.3,	4176091.4,	22.3,	22.3,	0.0);
(636809.8,	4176114.1,	22.0,	22.0,	0.0);	(636854.4,	4176136.8,	21.9,	21.9,	0.0);
(636898.9,	4176159.5,	22.0,	22.0,	0.0);	(636943.5,	4176182.2,	21.8,	21.8,	0.0);
(636988.0,	4176204.9,	21.8,	21.8,	0.0);	(637032.6,	4176227.6,	21.8,	21.8,	0.0);
(637077.1,	4176250.3,	21.4,	21.4,	0.0);	(637121.7,	4176273.0,	21.8,	21.8,	0.0);
(637166.2,	4176295.7,	21.3,	21.3,	0.0);	(637210.8,	4176318.4,	21.8,	21.8,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637255.3,	4176341.1,	21.1,	21.1,	0.0);	(637299.9,	4176363.8,	21.7,	21.7,	0.0);
(637344.4,	4176386.5,	21.8,	21.8,	0.0);	(637389.0,	4176409.2,	21.3,	21.3,	0.0);
(637433.6,	4176431.9,	21.5,	21.5,	0.0);	(637478.1,	4176454.6,	21.6,	22.9,	0.0);
(637522.7,	4176477.3,	21.6,	21.6,	0.0);	(637567.2,	4176500.0,	21.6,	21.6,	0.0);
(637611.8,	4176522.7,	21.8,	21.8,	0.0);	(637656.3,	4176545.4,	21.7,	21.7,	0.0);
(637700.9,	4176568.1,	22.1,	22.1,	0.0);	(637745.4,	4176590.8,	21.4,	21.4,	0.0);
(637790.0,	4176613.5,	22.2,	22.2,	0.0);	(637834.5,	4176636.2,	22.3,	22.3,	0.0);
(637879.1,	4176658.9,	22.4,	22.4,	0.0);	(638126.0,	4176975.0,	21.8,	21.8,	0.0);
(637965.0,	4176910.0,	21.4,	21.4,	0.0);	(638015.0,	4176910.0,	21.9,	21.9,	0.0);
(637965.0,	4176960.0,	21.6,	21.6,	0.0);	(638015.0,	4176960.0,	21.6,	21.6,	0.0);
(637965.0,	4177010.0,	21.6,	21.6,	0.0);	(638015.0,	4177010.0,	21.5,	21.5,	0.0);
(638173.0,	4176912.0,	21.7,	21.7,	0.0);	(638223.0,	4176912.0,	21.7,	21.7,	0.0);
(638273.0,	4176912.0,	22.2,	22.2,	0.0);	(638323.0,	4176912.0,	21.9,	21.9,	0.0);
(638173.0,	4176962.0,	21.6,	21.6,	0.0);	(638223.0,	4176962.0,	21.6,	21.6,	0.0);
(638273.0,	4176962.0,	21.5,	21.5,	0.0);	(638323.0,	4176962.0,	21.4,	21.4,	0.0);
(638173.0,	4177012.0,	21.6,	21.6,	0.0);	(638223.0,	4177012.0,	21.6,	21.6,	0.0);
(638273.0,	4177012.0,	21.2,	21.2,	0.0);	(638323.0,	4177012.0,	21.1,	21.1,	0.0);
(638173.0,	4177062.0,	21.4,	21.4,	0.0);	(638223.0,	4177062.0,	21.2,	21.2,	0.0);
(638273.0,	4177062.0,	20.9,	20.9,	0.0);	(638323.0,	4177062.0,	20.8,	20.8,	0.0);
(638173.0,	4177112.0,	20.9,	20.9,	0.0);	(638223.0,	4177112.0,	21.1,	21.1,	0.0);
(638273.0,	4177112.0,	21.0,	21.0,	0.0);	(638323.0,	4177112.0,	20.7,	20.7,	0.0);
(638273.0,	4177162.0,	20.7,	20.7,	0.0);	(638323.0,	4177162.0,	20.5,	20.5,	0.0);
(638357.0,	4176916.0,	21.8,	21.8,	0.0);	(638357.0,	4176916.0,	21.8,	21.8,	0.0);
(638407.0,	4176916.0,	21.9,	21.9,	0.0);	(638557.0,	4176916.0,	21.6,	21.6,	0.0);
(638607.0,	4176916.0,	21.9,	21.9,	0.0);	(638707.0,	4176916.0,	21.4,	21.4,	0.0);
(638357.0,	4176966.0,	21.2,	21.2,	0.0);	(638407.0,	4176966.0,	21.3,	21.3,	0.0);
(638557.0,	4176966.0,	21.4,	21.4,	0.0);	(638607.0,	4176966.0,	21.7,	21.7,	0.0);
(638707.0,	4176966.0,	21.2,	21.2,	0.0);	(638357.0,	4177016.0,	21.0,	21.0,	0.0);
(638407.0,	4177016.0,	20.8,	20.8,	0.0);	(638457.0,	4177016.0,	20.9,	20.9,	0.0);
(638507.0,	4177016.0,	21.0,	21.0,	0.0);	(638557.0,	4177016.0,	21.1,	21.1,	0.0);
(638607.0,	4177016.0,	21.3,	21.3,	0.0);	(638707.0,	4177016.0,	20.8,	20.8,	0.0);
(638357.0,	4177066.0,	20.7,	20.7,	0.0);	(638407.0,	4177066.0,	20.6,	20.6,	0.0);
(638457.0,	4177066.0,	20.6,	20.6,	0.0);	(638507.0,	4177066.0,	20.9,	20.9,	0.0);
(638557.0,	4177066.0,	20.9,	20.9,	0.0);	(638607.0,	4177066.0,	20.9,	20.9,	0.0);
(638657.0,	4177066.0,	20.9,	20.9,	0.0);	(638707.0,	4177066.0,	20.6,	20.6,	0.0);
(638757.0,	4177066.0,	20.2,	20.2,	0.0);	(638807.0,	4177066.0,	20.3,	20.3,	0.0);
(638857.0,	4177066.0,	20.3,	20.3,	0.0);	(638907.0,	4177066.0,	20.5,	20.5,	0.0);
(638357.0,	4177116.0,	20.4,	20.4,	0.0);	(638407.0,	4177116.0,	20.4,	20.4,	0.0);
(638457.0,	4177116.0,	20.4,	20.4,	0.0);	(638507.0,	4177116.0,	20.6,	20.6,	0.0);
(638557.0,	4177116.0,	20.7,	20.7,	0.0);	(638607.0,	4177116.0,	20.6,	20.6,	0.0);
(638657.0,	4177116.0,	20.4,	20.4,	0.0);	(638707.0,	4177116.0,	20.1,	20.1,	0.0);
(638757.0,	4177116.0,	20.1,	20.1,	0.0);	(638807.0,	4177116.0,	19.9,	19.9,	0.0);
(638857.0,	4177116.0,	20.1,	20.1,	0.0);	(638907.0,	4177116.0,	20.3,	20.3,	0.0);
(638357.0,	4177166.0,	20.4,	20.4,	0.0);	(638407.0,	4177166.0,	20.2,	20.2,	0.0);
(638457.0,	4177166.0,	20.2,	20.2,	0.0);	(638507.0,	4177166.0,	20.6,	20.6,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638557.0,	4177166.0,	20.5,	20.5,	0.0);	(638607.0,	4177166.0,	20.5,	20.5,	0.0);
(638657.0,	4177166.0,	20.3,	20.3,	0.0);	(638707.0,	4177166.0,	20.1,	20.1,	0.0);
(638757.0,	4177166.0,	19.9,	19.9,	0.0);	(638807.0,	4177166.0,	19.7,	19.7,	0.0);
(638857.0,	4177166.0,	19.9,	19.9,	0.0);	(638907.0,	4177166.0,	20.0,	20.0,	0.0);
(638357.0,	4177216.0,	20.4,	20.4,	0.0);	(638407.0,	4177216.0,	20.3,	20.3,	0.0);
(638457.0,	4177216.0,	20.1,	20.1,	0.0);	(638507.0,	4177216.0,	20.2,	20.2,	0.0);
(638557.0,	4177216.0,	20.2,	20.2,	0.0);	(638607.0,	4177216.0,	20.4,	20.4,	0.0);
(638657.0,	4177216.0,	20.2,	20.2,	0.0);	(638707.0,	4177216.0,	19.9,	19.9,	0.0);
(638757.0,	4177216.0,	19.8,	19.8,	0.0);	(638807.0,	4177216.0,	19.8,	19.8,	0.0);
(638857.0,	4177216.0,	19.6,	19.6,	0.0);	(638907.0,	4177216.0,	19.7,	19.7,	0.0);
(638457.0,	4177266.0,	20.0,	20.0,	0.0);	(638507.0,	4177266.0,	20.0,	20.0,	0.0);
(638557.0,	4177266.0,	20.2,	20.2,	0.0);	(638607.0,	4177266.0,	20.2,	20.2,	0.0);
(638657.0,	4177266.0,	19.9,	19.9,	0.0);	(638707.0,	4177266.0,	19.6,	19.6,	0.0);
(638757.0,	4177266.0,	19.4,	19.4,	0.0);	(638807.0,	4177266.0,	19.5,	19.5,	0.0);
(638857.0,	4177266.0,	19.5,	19.5,	0.0);	(638557.0,	4177316.0,	19.7,	19.7,	0.0);
(638607.0,	4177316.0,	19.6,	19.6,	0.0);	(638657.0,	4177316.0,	19.5,	19.5,	0.0);
(638707.0,	4177316.0,	19.2,	19.2,	0.0);	(638757.0,	4177316.0,	19.3,	19.3,	0.0);
(638807.0,	4177316.0,	19.2,	19.2,	0.0);	(638857.0,	4177316.0,	19.2,	19.2,	0.0);
(638636.9,	4177340.3,	19.4,	19.4,	0.0);	(638685.2,	4177354.6,	19.2,	19.2,	0.0);
(638756.9,	4177356.4,	19.2,	19.2,	0.0);	(638796.3,	4177355.5,	19.2,	19.2,	0.0);
(638831.2,	4177343.9,	19.3,	19.3,	0.0);	(639133.0,	4177457.0,	19.2,	19.2,	0.0);
(639132.0,	4177413.0,	19.3,	19.3,	0.0);	(639130.0,	4177375.0,	19.3,	19.3,	0.0);
(639128.0,	4177332.0,	19.5,	19.5,	0.0);	(639140.1,	4177300.4,	19.8,	19.8,	0.0);
(639177.6,	4177479.7,	19.0,	19.0,	0.0);	(639222.1,	4177502.4,	18.9,	18.9,	0.0);
(639266.7,	4177525.1,	18.7,	18.7,	0.0);	(639311.2,	4177547.8,	18.5,	18.5,	0.0);
(639355.8,	4177570.5,	18.4,	18.4,	0.0);	(639400.3,	4177593.2,	18.4,	18.4,	0.0);
(639444.9,	4177615.9,	18.4,	18.4,	0.0);	(639176.6,	4177435.7,	18.9,	18.9,	0.0);
(639221.1,	4177458.4,	18.6,	18.6,	0.0);	(639265.7,	4177481.1,	18.7,	18.7,	0.0);
(639310.2,	4177503.8,	18.5,	18.5,	0.0);	(639354.8,	4177526.5,	18.4,	18.4,	0.0);
(639399.3,	4177549.2,	17.7,	17.7,	0.0);	(639443.9,	4177571.9,	18.2,	18.2,	0.0);
(639488.4,	4177594.6,	17.9,	17.9,	0.0);	(639174.6,	4177397.7,	19.2,	19.2,	0.0);
(639219.1,	4177420.4,	18.6,	18.6,	0.0);	(639263.7,	4177443.1,	18.8,	18.8,	0.0);
(639308.2,	4177465.8,	18.7,	18.7,	0.0);	(639352.8,	4177488.5,	18.2,	18.2,	0.0);
(639397.3,	4177511.2,	18.2,	18.2,	0.0);	(639441.9,	4177533.9,	18.3,	18.3,	0.0);
(639486.4,	4177556.6,	18.3,	18.3,	0.0);	(639172.6,	4177354.7,	19.1,	19.1,	0.0);
(639217.1,	4177377.4,	19.1,	19.1,	0.0);	(639261.7,	4177400.1,	19.0,	19.0,	0.0);
(639306.2,	4177422.8,	18.5,	18.5,	0.0);	(639350.8,	4177445.5,	18.0,	18.0,	0.0);
(639395.3,	4177468.2,	18.3,	18.3,	0.0);	(639439.9,	4177490.9,	18.1,	18.1,	0.0);
(639484.4,	4177513.6,	17.6,	17.6,	0.0);	(639184.7,	4177323.1,	19.6,	19.6,	0.0);
(639229.2,	4177345.8,	18.8,	18.8,	0.0);	(639273.8,	4177368.5,	18.7,	18.7,	0.0);
(639318.3,	4177391.2,	19.0,	19.0,	0.0);	(639362.9,	4177413.9,	18.4,	18.4,	0.0);
(639407.4,	4177436.6,	18.4,	18.4,	0.0);	(639452.0,	4177459.3,	18.0,	18.0,	0.0);
(639496.5,	4177482.0,	18.4,	18.4,	0.0);	(643024.0,	4179439.0,	10.0,	10.0,	0.0);
(643141.0,	4179491.0,	9.8,	9.8,	0.0);	(643228.0,	4179455.0,	9.6,	9.6,	0.0);
(643205.0,	4179517.0,	9.6,	9.6,	0.0);	(643271.0,	4179570.0,	9.1,	9.1,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(643279.0,	4179643.0,	8.4,	8.4,	0.0);	(643343.0,	4179679.0,	8.4,	8.4,	0.0);
(643365.0,	4179689.0,	8.1,	8.1,	0.0);	(643324.0,	4179605.0,	8.3,	8.3,	0.0);
(643265.9,	4179527.1,	9.4,	9.4,	0.0);	(643583.0,	4179780.0,	7.1,	7.1,	0.0);
(643231.0,	4179762.0,	8.3,	8.3,	0.0);	(643228.0,	4179817.0,	7.8,	7.8,	0.0);
(643140.0,	4179814.0,	8.2,	8.2,	0.0);	(643354.0,	4179819.0,	7.7,	7.7,	0.0);
(642874.0,	4179802.0,	8.8,	8.8,	0.0);	(643359.0,	4179624.0,	8.2,	8.2,	0.0);
(643386.0,	4179638.0,	8.1,	8.1,	0.0);	(643407.0,	4179598.0,	8.2,	8.2,	0.0);
(643430.0,	4179529.0,	8.9,	8.9,	0.0);	(643426.0,	4179722.0,	8.1,	8.1,	0.0);
(643472.0,	4179745.0,	7.7,	7.7,	0.0);	(643432.0,	4179669.0,	7.9,	7.9,	0.0);
(643484.0,	4179692.0,	7.7,	7.7,	0.0);	(643472.0,	4179637.0,	7.7,	7.7,	0.0);
(642871.0,	4179938.0,	8.4,	8.4,	0.0);	(643366.0,	4180043.0,	8.1,	8.1,	0.0);
(643463.0,	4180039.0,	8.2,	8.2,	0.0);	(643364.0,	4179892.0,	7.4,	7.4,	0.0);
(643026.0,	4179884.0,	8.6,	8.6,	0.0);	(642910.0,	4179882.0,	9.2,	9.2,	0.0);

```
                                           *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                              (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1

               NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.


                                 *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                                           (METERS/SEC)

                                                1.54,   3.09,   5.14,   8.23,  10.80,
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08 Met Version: 16216
Profile file: ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08
Surface format: FREE
Profile format: FREE
Surface station no.: 99008 Upper air station no.: 66666
Name: UNKNOWN Name: UNKNOWN
Year: 2004 Year: 2004

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
04	01	01	1	01	-27.4	0.258	-9.000	-9.000	-999.	315.	55.9	0.09	0.77	1.00	4.10	151.	14.0	282.0	2.0
04	01	01	1	02	-33.4	0.328	-9.000	-9.000	-999.	450.	93.2	0.11	0.77	1.00	4.60	148.	14.0	282.0	2.0
04	01	01	1	03	-42.0	0.432	-9.000	-9.000	-999.	682.	170.4	0.11	0.77	1.00	5.70	144.	14.0	281.8	2.0
04	01	01	1	04	-40.3	0.482	-9.000	-9.000	-999.	801.	245.0	0.11	0.77	1.00	6.20	143.	14.0	281.6	2.0
04	01	01	1	05	-29.6	0.534	-9.000	-9.000	-999.	935.	454.9	0.11	0.77	1.00	6.70	143.	14.0	281.5	2.0
04	01	01	1	06	-32.0	0.576	-9.000	-9.000	-999.	1049.	529.7	0.11	0.77	1.00	7.20	142.	14.0	281.4	2.0
04	01	01	1	07	-34.4	0.619	-9.000	-9.000	-999.	1166.	609.6	0.11	0.77	1.00	7.70	135.	14.0	281.2	2.0
04	01	01	1	08	-36.6	0.661	-9.000	-9.000	-999.	1287.	697.1	0.11	0.77	0.73	8.20	143.	14.0	281.2	2.0
04	01	01	1	09	7.0	0.717	0.238	0.005	68.	1454.	-4692.4	0.11	0.77	0.39	8.70	137.	14.0	281.5	2.0
04	01	01	1	10	43.3	0.655	0.675	0.005	251.	1280.	-574.5	0.09	0.77	0.27	8.20	151.	14.0	282.1	2.0
04	01	01	1	11	70.4	0.549	0.930	0.005	405.	989.	-207.5	0.09	0.77	0.23	6.70	164.	14.0	283.1	2.0
04	01	01	1	12	90.7	0.480	1.217	0.005	703.	804.	-107.8	0.09	0.77	0.21	5.70	166.	14.0	284.1	2.0
04	01	01	1	13	92.9	0.395	1.327	0.005	891.	602.	-58.8	0.08	0.77	0.21	4.60	183.	14.0	284.9	2.0
04	01	01	1	14	81.1	0.321	1.332	0.005	1031.	440.	-36.0	0.08	0.77	0.22	3.60	189.	14.0	285.2	2.0
04	01	01	1	15	47.5	0.160	1.139	0.005	1104.	174.	-7.6	0.08	0.77	0.26	1.50	192.	14.0	284.5	2.0
04	01	01	1	16	19.1	0.076	0.847	0.005	1130.	56.	-2.0	0.12	0.77	0.34	0.50	54.	14.0	283.5	2.0
04	01	01	1	17	-2.6	0.061	-9.000	-9.000	-999.	36.	7.7	0.10	0.77	0.59	1.50	341.	14.0	283.1	2.0
04	01	01	1	18	-3.0	0.061	-9.000	-9.000	-999.	37.	6.9	0.11	0.77	1.00	1.50	307.	14.0	282.2	2.0
04	01	01	1	19	-9.1	0.106	-9.000	-9.000	-999.	83.	11.5	0.10	0.77	1.00	2.60	284.	14.0	281.2	2.0
04	01	01	1	20	-22.1	0.207	-9.000	-9.000	-999.	226.	35.6	0.10	0.77	1.00	3.60	267.	14.0	280.4	2.0
04	01	01	1	21	-28.4	0.265	-9.000	-9.000	-999.	327.	58.1	0.10	0.77	1.00	4.10	260.	14.0	279.8	2.0
04	01	01	1	22	-33.8	0.315	-9.000	-9.000	-999.	424.	82.1	0.10	0.77	1.00	4.60	262.	14.0	279.4	2.0
04	01	01	1	23	-33.9	0.315	-9.000	-9.000	-999.	424.	82.0	0.10	0.77	1.00	4.60	250.	14.0	279.2	2.0
04	01	01	1	24	-28.5	0.264	-9.000	-9.000	-999.	327.	57.9	0.10	0.77	1.00	4.10	240.	14.0	279.0	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
04	01	01	01	14.0	1	151.	4.10	282.1	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
634866.55	4175562.70	0.00063	634911.10	4175585.40	0.00065
634955.65	4175608.10	0.00065	635000.20	4175630.80	0.00066
635044.75	4175653.50	0.00066	635089.30	4175676.20	0.00067
635133.85	4175698.90	0.00068	635178.40	4175721.60	0.00068
635222.95	4175744.30	0.00069	635267.50	4175767.00	0.00070
635312.05	4175789.69	0.00070	635356.60	4175812.39	0.00071
635401.15	4175835.09	0.00069	635445.70	4175857.79	0.00069
635490.25	4175880.49	0.00069	635534.81	4175903.19	0.00068
635579.36	4175925.89	0.00068	635623.91	4175948.59	0.00068
635668.46	4175971.29	0.00067	635713.01	4175993.99	0.00066
635757.56	4176016.69	0.00066	635802.11	4176039.39	0.00066
635846.66	4176062.09	0.00066	635891.21	4176084.79	0.00066
635935.76	4176107.49	0.00066	635980.31	4176130.19	0.00065
636024.86	4176152.89	0.00065	636069.41	4176175.59	0.00065
636113.96	4176198.29	0.00065	636158.51	4176220.99	0.00064
636203.06	4176243.69	0.00064	636247.61	4176266.38	0.00065
636292.16	4176289.08	0.00065	636336.71	4176311.78	0.00065
636381.26	4176334.48	0.00064	636425.81	4176357.18	0.00064
636470.36	4176379.88	0.00064	636514.91	4176402.58	0.00064
636559.46	4176425.28	0.00064	636604.01	4176447.98	0.00064
636648.56	4176470.68	0.00064	636693.11	4176493.38	0.00064
636737.66	4176516.08	0.00064	636782.21	4176538.78	0.00064
636826.76	4176561.48	0.00064	636871.32	4176584.18	0.00064
636915.87	4176606.88	0.00064	636960.42	4176629.58	0.00064
637004.97	4176652.28	0.00064	637049.52	4176674.98	0.00064
637094.07	4176697.68	0.00063	637138.62	4176720.38	0.00064
637183.17	4176743.07	0.00064	637227.72	4176765.77	0.00064
637272.27	4176788.47	0.00064	637316.82	4176811.17	0.00064
637361.37	4176833.87	0.00064	637405.92	4176856.57	0.00064
637450.47	4176879.27	0.00064	637495.02	4176901.97	0.00065
637539.57	4176924.67	0.00065	637584.12	4176947.37	0.00065
637628.67	4176970.07	0.00066	637673.22	4176992.77	0.00066
637717.77	4177015.47	0.00066	637762.32	4177038.17	0.00067
637806.87	4177060.87	0.00067	637851.42	4177083.57	0.00067
637895.97	4177106.27	0.00067	637940.52	4177128.97	0.00068
637985.07	4177151.67	0.00068	638029.62	4177174.37	0.00068
638074.17	4177197.07	0.00068	638118.72	4177219.76	0.00068
638163.27	4177242.46	0.00068	638207.82	4177265.16	0.00068
638252.38	4177287.86	0.00068	638296.93	4177310.56	0.00068
638341.48	4177333.26	0.00067	638386.03	4177355.96	0.00067

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
638430.58	4177378.66	0.00067	638475.13	4177401.36	0.00067
638519.68	4177424.06	0.00066	638564.23	4177446.76	0.00066
638608.78	4177469.46	0.00066	638653.33	4177492.16	0.00067
638697.88	4177514.86	0.00067	638742.43	4177537.56	0.00067
638786.98	4177560.26	0.00067	638831.53	4177582.96	0.00066
638876.08	4177605.66	0.00066	638920.63	4177628.36	0.00065
638965.18	4177651.06	0.00065	639009.73	4177673.76	0.00065
639054.28	4177696.45	0.00065	639098.83	4177719.15	0.00065
634645.42	4175655.65	0.00026	634719.01	4175627.17	0.00032
634811.58	4175601.06	0.00043	634604.06	4175717.79	0.00021
634689.97	4175678.35	0.00026	634734.52	4175701.05	0.00027
634779.07	4175723.75	0.00027	634823.62	4175746.45	0.00027
634868.17	4175769.15	0.00027	634912.72	4175791.85	0.00028
634957.27	4175814.55	0.00028	635001.82	4175837.25	0.00028
635046.37	4175859.95	0.00028	635090.92	4175882.65	0.00028
635135.47	4175905.34	0.00029	635180.02	4175928.04	0.00029
635224.57	4175950.74	0.00029	635269.12	4175973.44	0.00029
635313.67	4175996.14	0.00029	635358.23	4176018.84	0.00029
635402.78	4176041.54	0.00030	635447.33	4176064.24	0.00030
635491.88	4176086.94	0.00030	635536.43	4176109.64	0.00030
635580.98	4176132.34	0.00030	635625.53	4176155.04	0.00030
635670.08	4176177.74	0.00030	635714.63	4176200.44	0.00030
635759.18	4176223.14	0.00030	635803.73	4176245.84	0.00030
635848.28	4176268.54	0.00030	635892.83	4176291.24	0.00030
635937.38	4176313.94	0.00030	635981.93	4176336.64	0.00030
636026.48	4176359.34	0.00030	636071.03	4176382.03	0.00030
636115.58	4176404.73	0.00030	636160.13	4176427.43	0.00030
636204.68	4176450.13	0.00030	636249.23	4176472.83	0.00030
636293.78	4176495.53	0.00030	636338.33	4176518.23	0.00030
636382.88	4176540.93	0.00030	636427.43	4176563.63	0.00030
636471.98	4176586.33	0.00030	636516.53	4176609.03	0.00030
636561.08	4176631.73	0.00030	636605.63	4176654.43	0.00031
636650.18	4176677.13	0.00031	636694.74	4176699.83	0.00031
636739.29	4176722.53	0.00031	636783.84	4176745.23	0.00031
636828.39	4176767.93	0.00031	636872.94	4176790.63	0.00031
636917.49	4176813.33	0.00031	636962.04	4176836.03	0.00031
637006.59	4176858.72	0.00031	637051.14	4176881.42	0.00031
637095.69	4176904.12	0.00031	637140.24	4176926.82	0.00031
637184.79	4176949.52	0.00031	637229.34	4176972.22	0.00031
637273.89	4176994.92	0.00031	637318.44	4177017.62	0.00031

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
637362.99	4177040.32	0.00031	637407.54	4177063.02	0.00031
637452.09	4177085.72	0.00031	637496.64	4177108.42	0.00032
637541.19	4177131.12	0.00031	637585.74	4177153.82	0.00032
637630.29	4177176.52	0.00031	637674.84	4177199.22	0.00032
637719.39	4177221.92	0.00032	637763.94	4177244.62	0.00032
637808.49	4177267.32	0.00032	637853.04	4177290.02	0.00032
637897.59	4177312.72	0.00032	637942.14	4177335.41	0.00032
637986.69	4177358.11	0.00032	638031.24	4177380.81	0.00032
638075.80	4177403.51	0.00032	638120.35	4177426.21	0.00032
638164.90	4177448.91	0.00032	638209.45	4177471.61	0.00032
638254.00	4177494.31	0.00032	638298.55	4177517.01	0.00032
638343.10	4177539.71	0.00032	638387.65	4177562.41	0.00032
638432.20	4177585.11	0.00032	638476.75	4177607.81	0.00032
638521.30	4177630.51	0.00032	638565.85	4177653.21	0.00032
638610.40	4177675.91	0.00032	638654.95	4177698.61	0.00032
638699.50	4177721.31	0.00032	638744.05	4177744.01	0.00032
638788.60	4177766.71	0.00032	638833.15	4177789.41	0.00032
638877.70	4177812.10	0.00032	638922.25	4177834.80	0.00032
638966.80	4177857.50	0.00032	639011.35	4177880.20	0.00032
634763.56	4175649.87	0.00032	634808.11	4175672.57	0.00033
634852.66	4175695.27	0.00033	634897.21	4175717.97	0.00033
634941.76	4175740.67	0.00033	634986.31	4175763.37	0.00034
635030.86	4175786.07	0.00034	635075.41	4175808.77	0.00034
635119.96	4175831.47	0.00035	635164.51	4175854.17	0.00035
635209.06	4175876.86	0.00035	635253.61	4175899.56	0.00035
635298.16	4175922.26	0.00036	635342.71	4175944.96	0.00035
635387.26	4175967.66	0.00036	635431.82	4175990.36	0.00035
635476.37	4176013.06	0.00035	635520.92	4176035.76	0.00036
635565.47	4176058.46	0.00035	635610.02	4176081.16	0.00036
635654.57	4176103.86	0.00036	635699.12	4176126.56	0.00035
635743.67	4176149.26	0.00036	635788.22	4176171.96	0.00036
635832.77	4176194.66	0.00036	635877.32	4176217.36	0.00035
635921.87	4176240.06	0.00036	635966.42	4176262.76	0.00036
636010.97	4176285.46	0.00036	636055.52	4176308.16	0.00036
636100.07	4176330.86	0.00036	636144.62	4176353.55	0.00036
636189.17	4176376.25	0.00036	636233.72	4176398.95	0.00036
636278.27	4176421.65	0.00036	636322.82	4176444.35	0.00036
636367.37	4176467.05	0.00036	636411.92	4176489.75	0.00036
636456.47	4176512.45	0.00036	636501.02	4176535.15	0.00036
636545.57	4176557.85	0.00036	636590.12	4176580.55	0.00036

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
636634.67	4176603.25	0.00036	636679.22	4176625.95	0.00036
636723.77	4176648.65	0.00036	636768.33	4176671.35	0.00036
636812.88	4176694.05	0.00037	636857.43	4176716.75	0.00036
636901.98	4176739.45	0.00037	636946.53	4176762.15	0.00037
636991.08	4176784.85	0.00036	637035.63	4176807.55	0.00037
637080.18	4176830.24	0.00036	637124.73	4176852.94	0.00037
637169.28	4176875.64	0.00037	637213.83	4176898.34	0.00037
637258.38	4176921.04	0.00037	637302.93	4176943.74	0.00037
637347.48	4176966.44	0.00037	637392.03	4176989.14	0.00037
637436.58	4177011.84	0.00037	637481.13	4177034.54	0.00037
637525.68	4177057.24	0.00037	637570.23	4177079.94	0.00037
637614.78	4177102.64	0.00037	637659.33	4177125.34	0.00037
637703.88	4177148.04	0.00038	637748.43	4177170.74	0.00038
637792.98	4177193.44	0.00038	637837.53	4177216.14	0.00038
637882.08	4177238.84	0.00038	637926.63	4177261.54	0.00038
637971.18	4177284.24	0.00038	638015.73	4177306.93	0.00038
638060.28	4177329.63	0.00038	638104.83	4177352.33	0.00038
638149.39	4177375.03	0.00038	638193.94	4177397.73	0.00038
638238.49	4177420.43	0.00038	638283.04	4177443.13	0.00038
638327.59	4177465.83	0.00038	638372.14	4177488.53	0.00038
638416.69	4177511.23	0.00038	638461.24	4177533.93	0.00038
638505.79	4177556.63	0.00038	638550.34	4177579.33	0.00038
638594.89	4177602.03	0.00038	638639.44	4177624.73	0.00038
638683.99	4177647.43	0.00038	638728.54	4177670.13	0.00038
638773.09	4177692.83	0.00038	638817.64	4177715.53	0.00038
638862.19	4177738.23	0.00038	638906.74	4177760.93	0.00038
638951.29	4177783.62	0.00038	638995.84	4177806.32	0.00038
639040.39	4177829.02	0.00038	639084.94	4177851.72	0.00038
634856.13	4175623.76	0.00043	634900.68	4175646.46	0.00044
634945.23	4175669.16	0.00044	634989.78	4175691.86	0.00045
635034.33	4175714.56	0.00045	635078.88	4175737.26	0.00045
635123.43	4175759.96	0.00046	635167.98	4175782.66	0.00046
635212.53	4175805.36	0.00047	635257.08	4175828.06	0.00047
635301.63	4175850.75	0.00047	635346.18	4175873.45	0.00047
635390.73	4175896.15	0.00047	635435.28	4175918.85	0.00047
635479.83	4175941.55	0.00047	635524.39	4175964.25	0.00047
635568.94	4175986.95	0.00046	635613.49	4176009.65	0.00047
635658.04	4176032.35	0.00047	635702.59	4176055.05	0.00046
635747.14	4176077.75	0.00046	635791.69	4176100.45	0.00046
635836.24	4176123.15	0.00046	635880.79	4176145.85	0.00046

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
635925.34	4176168.55	0.00047	635969.89	4176191.25	0.00046
636014.44	4176213.95	0.00046	636058.99	4176236.65	0.00046
636103.54	4176259.35	0.00046	636148.09	4176282.05	0.00046
636192.64	4176304.75	0.00046	636237.19	4176327.44	0.00046
636281.74	4176350.14	0.00046	636326.29	4176372.84	0.00046
636370.84	4176395.54	0.00046	636415.39	4176418.24	0.00046
636459.94	4176440.94	0.00046	636504.49	4176463.64	0.00046
636549.04	4176486.34	0.00046	636593.59	4176509.04	0.00046
636638.14	4176531.74	0.00046	636682.69	4176554.44	0.00047
636727.24	4176577.14	0.00047	636771.79	4176599.84	0.00047
636816.34	4176622.54	0.00047	636860.90	4176645.24	0.00047
636905.45	4176667.94	0.00047	636950.00	4176690.64	0.00047
636994.55	4176713.34	0.00047	637039.10	4176736.04	0.00046
637083.65	4176758.74	0.00047	637128.20	4176781.44	0.00046
637172.75	4176804.13	0.00047	637217.30	4176826.83	0.00047
637261.85	4176849.53	0.00047	637306.40	4176872.23	0.00047
637350.95	4176894.93	0.00047	637395.50	4176917.63	0.00047
637440.05	4176940.33	0.00047	637484.60	4176963.03	0.00047
637529.15	4176985.73	0.00047	637573.70	4177008.43	0.00048
637618.25	4177031.13	0.00048	637662.80	4177053.83	0.00048
637707.35	4177076.53	0.00048	637751.90	4177099.23	0.00048
637796.45	4177121.93	0.00048	637841.00	4177144.63	0.00049
637885.55	4177167.33	0.00048	637930.10	4177190.03	0.00048
637974.65	4177212.73	0.00049	638019.20	4177235.43	0.00049
638063.75	4177258.13	0.00049	638108.30	4177280.82	0.00049
638152.85	4177303.52	0.00049	638197.40	4177326.22	0.00049
638241.96	4177348.92	0.00049	638286.51	4177371.62	0.00049
638331.06	4177394.32	0.00049	638375.61	4177417.02	0.00049
638420.16	4177439.72	0.00048	638464.71	4177462.42	0.00048
638509.26	4177485.12	0.00048	638553.81	4177507.82	0.00048
638598.36	4177530.52	0.00048	638642.91	4177553.22	0.00048
638687.46	4177575.92	0.00049	638732.01	4177598.62	0.00048
638776.56	4177621.32	0.00048	638821.11	4177644.02	0.00048
638865.66	4177666.72	0.00048	638910.21	4177689.42	0.00048
638954.76	4177712.12	0.00048	638999.31	4177734.82	0.00048
639043.86	4177757.51	0.00048	639088.41	4177780.21	0.00048
639132.96	4177802.91	0.00048	639177.51	4177825.61	0.00048
634648.61	4175740.49	0.00021	634693.16	4175763.19	0.00022
634737.71	4175785.89	0.00022	634782.26	4175808.59	0.00022
634826.81	4175831.29	0.00023	634871.36	4175853.99	0.00023

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
634915.91	4175876.69	0.00023	634960.46	4175899.39	0.00023
635005.01	4175922.09	0.00023	635049.56	4175944.79	0.00023
635094.11	4175967.48	0.00024	635138.66	4175990.18	0.00024
635183.21	4176012.88	0.00024	635227.76	4176035.58	0.00024
635272.31	4176058.28	0.00024	635316.87	4176080.98	0.00024
635361.42	4176103.68	0.00024	635405.97	4176126.38	0.00024
635450.52	4176149.08	0.00024	635495.07	4176171.78	0.00025
635539.62	4176194.48	0.00025	635584.17	4176217.18	0.00025
635628.72	4176239.88	0.00025	635673.27	4176262.58	0.00025
635717.82	4176285.28	0.00025	635762.37	4176307.98	0.00025
635806.92	4176330.68	0.00025	635851.47	4176353.38	0.00025
635896.02	4176376.08	0.00025	635940.57	4176398.78	0.00025
635985.12	4176421.48	0.00025	636029.67	4176444.17	0.00025
636074.22	4176466.87	0.00025	636118.77	4176489.57	0.00025
636163.32	4176512.27	0.00025	636207.87	4176534.97	0.00025
636252.42	4176557.67	0.00025	636296.97	4176580.37	0.00025
636341.52	4176603.07	0.00025	636386.07	4176625.77	0.00025
636430.62	4176648.47	0.00026	636475.17	4176671.17	0.00025
636519.72	4176693.87	0.00025	636564.27	4176716.57	0.00026
636608.82	4176739.27	0.00026	636653.38	4176761.97	0.00026
636697.93	4176784.67	0.00026	636742.48	4176807.37	0.00026
636787.03	4176830.07	0.00026	636831.58	4176852.77	0.00026
636876.13	4176875.47	0.00026	636920.68	4176898.17	0.00026
636965.23	4176920.86	0.00026	637009.78	4176943.56	0.00026
637054.33	4176966.26	0.00026	637098.88	4176988.96	0.00026
637143.43	4177011.66	0.00026	637187.98	4177034.36	0.00026
637232.53	4177057.06	0.00026	637277.08	4177079.76	0.00026
637321.63	4177102.46	0.00026	637366.18	4177125.16	0.00026
637410.73	4177147.86	0.00026	637455.28	4177170.56	0.00027
637499.83	4177193.26	0.00026	637544.38	4177215.96	0.00027
637588.93	4177238.66	0.00027	637633.48	4177261.36	0.00027
637678.03	4177284.06	0.00027	637722.58	4177306.76	0.00027
637767.13	4177329.46	0.00026	637811.68	4177352.16	0.00027
637856.23	4177374.86	0.00027	637900.78	4177397.55	0.00027
637945.33	4177420.25	0.00027	637989.88	4177442.95	0.00027
638034.44	4177465.65	0.00027	638078.99	4177488.35	0.00027
638123.54	4177511.05	0.00027	638168.09	4177533.75	0.00027
638212.64	4177556.45	0.00027	638257.19	4177579.15	0.00027
638301.74	4177601.85	0.00027	638346.29	4177624.55	0.00027
638390.84	4177647.25	0.00027	638435.39	4177669.95	0.00027

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
638479.94	4177692.65	0.00027	638524.49	4177715.35	0.00027
638569.04	4177738.05	0.00027	638613.59	4177760.75	0.00027
638658.14	4177783.45	0.00027	638702.69	4177806.15	0.00027
638747.24	4177828.85	0.00027	638791.79	4177851.55	0.00027
638836.34	4177874.24	0.00027	638880.89	4177896.94	0.00027
638925.44	4177919.64	0.00027	638969.99	4177942.34	0.00027
634539.00	4175502.00	0.00034	634543.00	4175570.00	0.00028
634366.00	4175358.00	0.00041	634321.00	4175434.00	0.00027
634312.00	4175548.00	0.00020	634240.00	4174930.00	0.00024
635352.00	4175656.00	0.00145	636256.00	4175990.00	0.00087
635960.00	4175895.00	0.00106	636094.00	4175941.00	0.00098
636156.00	4175941.00	0.00087	636122.00	4175884.00	0.00075
636135.00	4175840.00	0.00064	636060.00	4175859.00	0.00076
636019.00	4175843.00	0.00077	635972.00	4175831.00	0.00079
635912.00	4175811.00	0.00081	635936.00	4175746.00	0.00063
636078.00	4175789.00	0.00060	636209.00	4175943.00	0.00080
636377.00	4176175.00	0.00171	636426.00	4176153.00	0.00127
636367.00	4176079.00	0.00101	636442.41	4176070.54	0.00084
636523.30	4176066.50	0.00073	636621.59	4176064.36	0.00063
636720.74	4176068.73	0.00057	636421.55	4176197.70	0.00172
636466.10	4176220.40	0.00171	636510.65	4176243.10	0.00172
636555.20	4176265.80	0.00173	636599.75	4176288.50	0.00173
636644.30	4176311.20	0.00175	636688.85	4176333.90	0.00174
636733.40	4176356.60	0.00175	636777.95	4176379.30	0.00174
636822.50	4176402.00	0.00175	636867.05	4176424.69	0.00176
636911.60	4176447.39	0.00176	636956.15	4176470.09	0.00177
637000.70	4176492.79	0.00177	637045.25	4176515.49	0.00178
637089.81	4176538.19	0.00176	637134.36	4176560.89	0.00179
637178.91	4176583.59	0.00178	637223.46	4176606.29	0.00175
637268.01	4176628.99	0.00177	637312.56	4176651.69	0.00177
637357.11	4176674.39	0.00177	637401.66	4176697.09	0.00175
637446.21	4176719.79	0.00176	637490.76	4176742.49	0.00173
637535.31	4176765.19	0.00173	637579.86	4176787.89	0.00172
637624.41	4176810.59	0.00171	637668.96	4176833.29	0.00171
637713.51	4176855.99	0.00169	637758.06	4176878.69	0.00169
637802.61	4176901.38	0.00167	637847.16	4176924.08	0.00166
637891.71	4176946.78	0.00166	636470.55	4176175.70	0.00127
636515.10	4176198.40	0.00128	636559.65	4176221.10	0.00128
636604.20	4176243.80	0.00128	636648.75	4176266.50	0.00129
636693.30	4176289.20	0.00129	636737.85	4176311.90	0.00129

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
636782.40	4176334.60	0.00130	636826.95	4176357.30	0.00130
636871.50	4176380.00	0.00130	636916.05	4176402.69	0.00131
636960.60	4176425.39	0.00130	637005.15	4176448.09	0.00131
637049.70	4176470.79	0.00131	637094.25	4176493.49	0.00131
637138.81	4176516.19	0.00131	637183.36	4176538.89	0.00132
637227.91	4176561.59	0.00131	637272.46	4176584.29	0.00129
637317.01	4176606.99	0.00132	637361.56	4176629.69	0.00132
637406.11	4176652.39	0.00131	637450.66	4176675.09	0.00131
637495.21	4176697.79	0.00130	637539.76	4176720.49	0.00129
637584.31	4176743.19	0.00129	637628.86	4176765.89	0.00128
637673.41	4176788.59	0.00128	637717.96	4176811.29	0.00127
637762.51	4176833.99	0.00127	637807.06	4176856.69	0.00126
637851.61	4176879.38	0.00126	636411.55	4176101.70	0.00102
636456.10	4176124.40	0.00102	636500.65	4176147.10	0.00103
636545.20	4176169.80	0.00103	636589.75	4176192.50	0.00103
636634.30	4176215.20	0.00103	636678.85	4176237.90	0.00104
636723.40	4176260.60	0.00104	636767.95	4176283.30	0.00104
636812.50	4176306.00	0.00104	636857.05	4176328.69	0.00103
636901.60	4176351.39	0.00105	636946.15	4176374.09	0.00105
636990.70	4176396.79	0.00105	637035.25	4176419.49	0.00105
637079.81	4176442.19	0.00105	637124.36	4176464.89	0.00106
637168.91	4176487.59	0.00106	637213.46	4176510.29	0.00105
637258.01	4176532.99	0.00105	637302.56	4176555.69	0.00104
637347.11	4176578.39	0.00106	637391.66	4176601.09	0.00105
637436.21	4176623.79	0.00105	637480.76	4176646.49	0.00105
637525.31	4176669.19	0.00105	637569.86	4176691.89	0.00105
637614.41	4176714.59	0.00104	637658.96	4176737.29	0.00104
637703.51	4176759.99	0.00104	637748.06	4176782.69	0.00103
637792.61	4176805.38	0.00103	637837.16	4176828.08	0.00102
637881.71	4176850.78	0.00102	636486.96	4176092.70	0.00085
636531.51	4176115.40	0.00085	636576.06	4176138.10	0.00085
636620.61	4176160.80	0.00085	636665.16	4176183.50	0.00086
636709.71	4176206.20	0.00086	636754.26	4176228.90	0.00086
636798.81	4176251.60	0.00086	636843.36	4176274.30	0.00086
636887.91	4176297.00	0.00086	636932.46	4176319.69	0.00087
636977.01	4176342.39	0.00087	637021.56	4176365.09	0.00087
637066.11	4176387.79	0.00087	637110.66	4176410.49	0.00087
637155.22	4176433.19	0.00087	637199.77	4176455.89	0.00087
637244.32	4176478.59	0.00087	637288.87	4176501.29	0.00087
637333.42	4176523.99	0.00088	637377.97	4176546.69	0.00087

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
637422.52	4176569.39	0.00088	637467.07	4176592.09	0.00087
637511.62	4176614.79	0.00087	637556.17	4176637.49	0.00087
637600.72	4176660.19	0.00087	637645.27	4176682.89	0.00087
637689.82	4176705.59	0.00086	637734.37	4176728.29	0.00086
637778.92	4176750.99	0.00086	637823.47	4176773.69	0.00086
637868.02	4176796.38	0.00086	636567.85	4176089.20	0.00073
636612.40	4176111.90	0.00073	636656.95	4176134.60	0.00074
636701.50	4176157.30	0.00074	636746.05	4176180.00	0.00074
636790.60	4176202.70	0.00074	636835.15	4176225.40	0.00074
636879.70	4176248.10	0.00074	636924.25	4176270.80	0.00074
636968.80	4176293.50	0.00075	637013.35	4176316.19	0.00075
637057.90	4176338.89	0.00075	637102.45	4176361.59	0.00075
637147.00	4176384.29	0.00075	637191.55	4176406.99	0.00075
637236.11	4176429.69	0.00075	637280.66	4176452.39	0.00075
637325.21	4176475.09	0.00076	637369.76	4176497.79	0.00076
637414.31	4176520.49	0.00076	637458.86	4176543.19	0.00076
637503.41	4176565.89	0.00075	637547.96	4176588.59	0.00076
637592.51	4176611.29	0.00075	637637.06	4176633.99	0.00075
637681.61	4176656.69	0.00075	637726.16	4176679.39	0.00075
637770.71	4176702.09	0.00075	637815.26	4176724.79	0.00075
637859.81	4176747.49	0.00074	636666.14	4176087.06	0.00063
636710.69	4176109.76	0.00064	636755.24	4176132.46	0.00064
636799.79	4176155.16	0.00064	636844.34	4176177.86	0.00064
636888.89	4176200.56	0.00064	636933.44	4176223.26	0.00064
636977.99	4176245.96	0.00064	637022.54	4176268.66	0.00064
637067.09	4176291.36	0.00065	637111.64	4176314.05	0.00065
637156.19	4176336.75	0.00065	637200.74	4176359.45	0.00065
637245.29	4176382.15	0.00065	637289.84	4176404.85	0.00065
637334.40	4176427.55	0.00065	637378.95	4176450.25	0.00065
637423.50	4176472.95	0.00065	637468.05	4176495.65	0.00065
637512.60	4176518.35	0.00065	637557.15	4176541.05	0.00065
637601.70	4176563.75	0.00065	637646.25	4176586.45	0.00065
637690.80	4176609.15	0.00065	637735.35	4176631.85	0.00065
637779.90	4176654.55	0.00065	637824.45	4176677.25	0.00065
637869.00	4176699.95	0.00065	636765.29	4176091.43	0.00057
636809.84	4176114.13	0.00057	636854.39	4176136.83	0.00057
636898.94	4176159.53	0.00057	636943.49	4176182.23	0.00057
636988.04	4176204.93	0.00057	637032.59	4176227.63	0.00057
637077.14	4176250.33	0.00058	637121.69	4176273.03	0.00058
637166.24	4176295.73	0.00058	637210.79	4176318.42	0.00058

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
637255.34	4176341.12	0.00058	637299.89	4176363.82	0.00058
637344.44	4176386.52	0.00058	637388.99	4176409.22	0.00058
637433.55	4176431.92	0.00058	637478.10	4176454.62	0.00058
637522.65	4176477.32	0.00058	637567.20	4176500.02	0.00058
637611.75	4176522.72	0.00058	637656.30	4176545.42	0.00059
637700.85	4176568.12	0.00058	637745.40	4176590.82	0.00058
637789.95	4176613.52	0.00058	637834.50	4176636.22	0.00058
637879.05	4176658.92	0.00058	638126.00	4176975.00	0.00101
637965.00	4176910.00	0.00109	638015.00	4176910.00	0.00098
637965.00	4176960.00	0.00141	638015.00	4176960.00	0.00122
637965.00	4177010.00	0.00198	638015.00	4177010.00	0.00163
638173.00	4176912.00	0.00075	638223.00	4176912.00	0.00070
638273.00	4176912.00	0.00065	638323.00	4176912.00	0.00061
638173.00	4176962.00	0.00088	638223.00	4176962.00	0.00081
638273.00	4176962.00	0.00075	638323.00	4176962.00	0.00070
638173.00	4177012.00	0.00107	638223.00	4177012.00	0.00096
638273.00	4177012.00	0.00088	638323.00	4177012.00	0.00080
638173.00	4177062.00	0.00138	638223.00	4177062.00	0.00120
638273.00	4177062.00	0.00106	638323.00	4177062.00	0.00096
638173.00	4177112.00	0.00191	638223.00	4177112.00	0.00162
638273.00	4177112.00	0.00138	638323.00	4177112.00	0.00120
638273.00	4177162.00	0.00191	638323.00	4177162.00	0.00159
638357.00	4176916.00	0.00059	638357.00	4176916.00	0.00059
638407.00	4176916.00	0.00056	638557.00	4176916.00	0.00049
638607.00	4176916.00	0.00047	638707.00	4176916.00	0.00043
638357.00	4176966.00	0.00067	638407.00	4176966.00	0.00063
638557.00	4176966.00	0.00054	638607.00	4176966.00	0.00051
638707.00	4176966.00	0.00047	638357.00	4177016.00	0.00077
638407.00	4177016.00	0.00072	638457.00	4177016.00	0.00067
638507.00	4177016.00	0.00063	638557.00	4177016.00	0.00059
638607.00	4177016.00	0.00056	638707.00	4177016.00	0.00051
638357.00	4177066.00	0.00091	638407.00	4177066.00	0.00083
638457.00	4177066.00	0.00077	638507.00	4177066.00	0.00072
638557.00	4177066.00	0.00067	638607.00	4177066.00	0.00063
638657.00	4177066.00	0.00059	638707.00	4177066.00	0.00056
638757.00	4177066.00	0.00054	638807.00	4177066.00	0.00051
638857.00	4177066.00	0.00049	638907.00	4177066.00	0.00047
638357.00	4177116.00	0.00112	638407.00	4177116.00	0.00100
638457.00	4177116.00	0.00091	638507.00	4177116.00	0.00084
638557.00	4177116.00	0.00077	638607.00	4177116.00	0.00072

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
638657.00	4177116.00	0.00067	638707.00	4177116.00	0.00063
638757.00	4177116.00	0.00059	638807.00	4177116.00	0.00056
638857.00	4177116.00	0.00054	638907.00	4177116.00	0.00051
638357.00	4177166.00	0.00147	638407.00	4177166.00	0.00127
638457.00	4177166.00	0.00112	638507.00	4177166.00	0.00101
638557.00	4177166.00	0.00091	638607.00	4177166.00	0.00084
638657.00	4177166.00	0.00077	638707.00	4177166.00	0.00072
638757.00	4177166.00	0.00067	638807.00	4177166.00	0.00063
638857.00	4177166.00	0.00060	638907.00	4177166.00	0.00056
638357.00	4177216.00	0.00209	638407.00	4177216.00	0.00173
638457.00	4177216.00	0.00147	638507.00	4177216.00	0.00128
638557.00	4177216.00	0.00113	638607.00	4177216.00	0.00101
638657.00	4177216.00	0.00091	638707.00	4177216.00	0.00084
638757.00	4177216.00	0.00077	638807.00	4177216.00	0.00072
638857.00	4177216.00	0.00067	638907.00	4177216.00	0.00063
638457.00	4177266.00	0.00209	638507.00	4177266.00	0.00173
638557.00	4177266.00	0.00148	638607.00	4177266.00	0.00128
638657.00	4177266.00	0.00113	638707.00	4177266.00	0.00101
638757.00	4177266.00	0.00091	638807.00	4177266.00	0.00084
638857.00	4177266.00	0.00077	638557.00	4177316.00	0.00211
638607.00	4177316.00	0.00175	638657.00	4177316.00	0.00148
638707.00	4177316.00	0.00127	638757.00	4177316.00	0.00113
638807.00	4177316.00	0.00101	638857.00	4177316.00	0.00092
638636.87	4177340.30	0.00186	638685.23	4177354.62	0.00174
638756.88	4177356.42	0.00140	638796.28	4177355.52	0.00125
638831.21	4177343.88	0.00108	639133.00	4177457.00	0.00093
639132.00	4177413.00	0.00080	639130.00	4177375.00	0.00072
639128.00	4177332.00	0.00064	639140.12	4177300.40	0.00059
639177.55	4177479.70	0.00093	639222.10	4177502.40	0.00093
639266.65	4177525.10	0.00093	639311.20	4177547.80	0.00093
639355.75	4177570.50	0.00093	639400.30	4177593.20	0.00093
639444.85	4177615.90	0.00094	639176.55	4177435.70	0.00080
639221.10	4177458.40	0.00080	639265.65	4177481.10	0.00080
639310.20	4177503.80	0.00080	639354.75	4177526.50	0.00080
639399.30	4177549.20	0.00080	639443.85	4177571.90	0.00080
639488.40	4177594.60	0.00080	639174.55	4177397.70	0.00072
639219.10	4177420.40	0.00072	639263.65	4177443.10	0.00072
639308.20	4177465.80	0.00072	639352.75	4177488.50	0.00072
639397.30	4177511.20	0.00072	639441.85	4177533.90	0.00072
639486.40	4177556.60	0.00072	639172.55	4177354.70	0.00064

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
639217.10	4177377.40	0.00064	639261.65	4177400.10	0.00064
639306.20	4177422.80	0.00064	639350.75	4177445.50	0.00064
639395.30	4177468.20	0.00065	639439.85	4177490.90	0.00065
639484.40	4177513.60	0.00064	639184.67	4177323.10	0.00059
639229.22	4177345.80	0.00059	639273.77	4177368.50	0.00059
639318.32	4177391.20	0.00059	639362.87	4177413.90	0.00059
639407.42	4177436.60	0.00059	639451.97	4177459.30	0.00059
639496.52	4177482.00	0.00059	643024.00	4179439.00	0.00105
643141.00	4179491.00	0.00103	643228.00	4179455.00	0.00077
643205.00	4179517.00	0.00100	643271.00	4179570.00	0.00109
643279.00	4179643.00	0.00157	643343.00	4179679.00	0.00162
643365.00	4179689.00	0.00160	643324.00	4179605.00	0.00112
643265.94	4179527.10	0.00092	643583.00	4179780.00	0.00139
643231.00	4179762.00	0.00077	643228.00	4179817.00	0.00055
643140.00	4179814.00	0.00047	643354.00	4179819.00	0.00082
642874.00	4179802.00	0.00033	643359.00	4179624.00	0.00113
643386.00	4179638.00	0.00113	643407.00	4179598.00	0.00092
643430.00	4179529.00	0.00071	643426.00	4179722.00	0.00162
643472.00	4179745.00	0.00162	643432.00	4179669.00	0.00117
643484.00	4179692.00	0.00115	643472.00	4179637.00	0.00093
642871.00	4179938.00	0.00025	643366.00	4180043.00	0.00033
643463.00	4180039.00	0.00039	643364.00	4179892.00	0.00054
643026.00	4179884.00	0.00033	642910.00	4179882.00	0.00029

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00211	AT (638557.00, 4177316.00, 19.68, 19.68, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00209	AT (638357.00, 4177216.00, 20.38, 20.38, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00209	AT (638457.00, 4177266.00, 20.02, 20.02, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00198	AT (637965.00, 4177010.00, 21.56, 21.56, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00191	AT (638273.00, 4177162.00, 20.67, 20.67, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00191	AT (638173.00, 4177112.00, 20.87, 20.87, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00186	AT (638636.87, 4177340.30, 19.42, 19.42, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00179	AT (637134.36, 4176560.89, 20.90, 20.90, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00178	AT (637045.25, 4176515.49, 20.69, 20.69, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00178	AT (637178.91, 4176583.59, 21.06, 21.06, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   0 Warning Message(s)
A Total of   375 Informational Message(s)

A Total of   43848 Hours Were Processed

A Total of   375 Calm Hours Identified

A Total of   0 Missing Hours Identified (0.00 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
              *** NONE ***

   ****
   *** AERMOD Finishes Successfully ***
   ****

```
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE Valley Link: Tracy-Lathrop Segment S1, 2040 Annual Operation DPM
   MODELOPT CONC FASTAREA
   AVERTIME ANNUAL
   URBANOPT 4656000 Other_Bay_Area
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL Tracy-Lathrop_S1_operation_2040_DPM.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = TRALATH_S1_D
** DESCRSRC Tracy-Lathrop Segment - Part 1, Day Time
** PREFIX
** Length of Side = 9.10
** Ratio = 10
** Vertical Dimension = 1.37
** Emission Rate = 1.7108E-08
** Nodes = 13
** 634064.863, 4175091.399, 40.41, 5.87
** 634588.372, 4175349.127, 34.37, 5.87
** 635409.878, 4175775.987, 26.75, 5.87
** 636336.085, 4176227.010, 21.93, 5.87
** 637294.509, 4176710.249, 21.22, 5.87
** 637979.097, 4177072.678, 21.05, 5.87
** 638945.574, 4177555.917, 18.69, 5.87
** 639871.782, 4178023.047, 16.86, 5.87
** 640959.069, 4178562.664, 14.47, 5.87
** 642368.515, 4179271.414, 12.66, 5.87
** 643318.885, 4179746.599, 8.78, 5.87
** 644148.445, 4180173.460, 5.96, 5.87
** 644333.686, 4180262.053, 5.08, 5.87
** ------------------------------------------------------------------------
   LOCATION A0000001     AREA     634066.873 4175087.317 40.41
   LOCATION A0000002     AREA     634141.660 4175124.135 38.85
   LOCATION A0000003     AREA     634216.447 4175160.953 38.83
   LOCATION A0000004     AREA     634291.234 4175197.772 37.36
   LOCATION A0000005     AREA     634366.021 4175234.590 37.30
   LOCATION A0000006     AREA     634440.808 4175271.408 35.77
   LOCATION A0000007     AREA     634515.595 4175308.226 35.77
   LOCATION A0000008     AREA     634590.470 4175345.089 34.31
   LOCATION A0000009     AREA     634665.152 4175383.895 34.27
   LOCATION A0000010     AREA     634739.835 4175422.700 32.74
   LOCATION A0000011     AREA     634814.517 4175461.506 32.31
   LOCATION A0000012     AREA     634889.199 4175500.311 31.74
   LOCATION A0000013     AREA     634963.882 4175539.117 30.98
   LOCATION A0000014     AREA     635038.564 4175577.922 30.17
   LOCATION A0000015     AREA     635113.246 4175616.728 29.62
   LOCATION A0000016     AREA     635187.929 4175655.533 28.91
   LOCATION A0000017     AREA     635262.611 4175694.339 28.34
   LOCATION A0000018     AREA     635337.293 4175733.144 27.60
   LOCATION A0000019     AREA     635411.870 4175771.897 26.68
   LOCATION A0000020     AREA     635489.054 4175809.482 25.97
   LOCATION A0000021     AREA     635566.238 4175847.067 24.56
   LOCATION A0000022     AREA     635643.422 4175884.652 23.74
   LOCATION A0000023     AREA     635720.606 4175922.238 22.98
   LOCATION A0000024     AREA     635797.790 4175959.823 22.46
   LOCATION A0000025     AREA     635874.974 4175997.408 22.40
   LOCATION A0000026     AREA     635952.158 4176034.993 22.17
   LOCATION A0000027     AREA     636029.342 4176072.579 21.90
   LOCATION A0000028     AREA     636106.526 4176110.164 21.50
   LOCATION A0000029     AREA     636183.710 4176147.749 21.08
   LOCATION A0000030     AREA     636260.893 4176185.334 21.09
   LOCATION A0000031     AREA     636338.134 4176222.947 21.86
   LOCATION A0000032     AREA     636418.002 4176263.217 20.74
   LOCATION A0000033     AREA     636497.871 4176303.487 20.59
   LOCATION A0000034     AREA     636577.740 4176343.757 20.59
   LOCATION A0000035     AREA     636657.608 4176384.027 20.62
   LOCATION A0000036     AREA     636737.477 4176424.297 20.62
   LOCATION A0000037     AREA     636817.346 4176464.567 20.56
   LOCATION A0000038     AREA     636897.214 4176504.837 20.54
   LOCATION A0000039     AREA     636977.083 4176545.107 20.70
   LOCATION A0000040     AREA     637056.951 4176585.376 20.56
   LOCATION A0000041     AREA     637136.820 4176625.646 20.97
   LOCATION A0000042     AREA     637216.689 4176665.916 20.03
   LOCATION A0000043     AREA     637296.638 4176706.228 20.94
   LOCATION A0000044     AREA     637372.703 4176746.498 21.58
   LOCATION A0000045     AREA     637448.768 4176786.767 21.67
   LOCATION A0000046     AREA     637524.834 4176827.037 21.23
   LOCATION A0000047     AREA     637600.899 4176867.307 21.20
   LOCATION A0000048     AREA     637676.965 4176907.577 21.17
```

```
   LOCATION A0000049     AREA     637753.030 4176947.847 21.25
   LOCATION A0000050     AREA     637829.095 4176988.117 21.31
   LOCATION A0000051     AREA     637905.161 4177028.387 21.35
   LOCATION A0000052     AREA     637981.132 4177068.608 21.31
   LOCATION A0000053     AREA     638061.672 4177108.878 21.27
   LOCATION A0000054     AREA     638142.211 4177149.148 21.21
   LOCATION A0000055     AREA     638222.751 4177189.418 21.15
   LOCATION A0000056     AREA     638303.291 4177229.688 20.72
   LOCATION A0000057     AREA     638383.831 4177269.958 20.41
   LOCATION A0000058     AREA     638464.371 4177310.228 20.14
   LOCATION A0000059     AREA     638544.910 4177350.498 19.67
   LOCATION A0000060     AREA     638625.450 4177390.767 19.38
   LOCATION A0000061     AREA     638705.990 4177431.037 19.30
   LOCATION A0000062     AREA     638786.530 4177471.307 18.99
   LOCATION A0000063     AREA     638867.069 4177511.577 18.83
   LOCATION A0000064     AREA     638947.623 4177551.854 18.72
   LOCATION A0000065     AREA     639024.807 4177590.782 18.70
   LOCATION A0000066     AREA     639101.991 4177629.709 18.56
   LOCATION A0000067     AREA     639179.175 4177668.637 18.39
   LOCATION A0000068     AREA     639256.359 4177707.564 18.22
   LOCATION A0000069     AREA     639333.543 4177746.492 17.96
   LOCATION A0000070     AREA     639410.727 4177785.420 17.73
   LOCATION A0000071     AREA     639487.911 4177824.347 17.50
   LOCATION A0000072     AREA     639565.095 4177863.275 17.34
   LOCATION A0000073     AREA     639642.279 4177902.202 17.22
   LOCATION A0000074     AREA     639719.463 4177941.130 17.19
   LOCATION A0000075     AREA     639796.647 4177980.057 17.04
   LOCATION A0000076     AREA     639873.805 4178018.972 16.87
   LOCATION A0000077     AREA     639951.468 4178057.516 16.57
   LOCATION A0000078     AREA     640029.131 4178096.060 16.96
   LOCATION A0000079     AREA     640106.795 4178134.604 27.65
   LOCATION A0000080     AREA     640184.458 4178173.148 15.64
   LOCATION A0000081     AREA     640262.122 4178211.692 15.40
   LOCATION A0000082     AREA     640339.785 4178250.236 15.48
   LOCATION A0000083     AREA     640417.448 4178288.780 15.27
   LOCATION A0000084     AREA     640495.112 4178327.324 15.24
   LOCATION A0000085     AREA     640572.775 4178365.868 15.35
   LOCATION A0000086     AREA     640650.438 4178404.412 15.13
   LOCATION A0000087     AREA     640728.102 4178442.956 15.14
   LOCATION A0000088     AREA     640805.765 4178481.500 15.07
   LOCATION A0000089     AREA     640883.428 4178520.044 14.92
   LOCATION A0000090     AREA     640961.113 4178558.599 14.89
   LOCATION A0000091     AREA     641039.416 4178597.974 14.72
   LOCATION A0000092     AREA     641117.718 4178637.349 14.61
   LOCATION A0000093     AREA     641196.021 4178676.724 14.42
   LOCATION A0000094     AREA     641274.323 4178716.099 14.31
   LOCATION A0000095     AREA     641352.626 4178755.474 14.12
   LOCATION A0000096     AREA     641430.929 4178794.849 13.96
   LOCATION A0000097     AREA     641509.231 4178834.224 13.89
   LOCATION A0000098     AREA     641587.534 4178873.599 13.70
   LOCATION A0000099     AREA     641665.836 4178912.974 13.52
   LOCATION A0000100     AREA     641744.139 4178952.349 13.47
   LOCATION A0000101     AREA     641822.441 4178991.724 13.34
   LOCATION A0000102     AREA     641900.744 4179031.099 13.21
   LOCATION A0000103     AREA     641979.047 4179070.474 13.22
   LOCATION A0000104     AREA     642057.349 4179109.849 13.14
   LOCATION A0000105     AREA     642135.652 4179149.224 12.96
   LOCATION A0000106     AREA     642213.954 4179188.599 12.84
   LOCATION A0000107     AREA     642292.257 4179227.974 12.86
   LOCATION A0000108     AREA     642370.550 4179267.344 12.65
   LOCATION A0000109     AREA     642449.748 4179306.943 12.35
   LOCATION A0000110     AREA     642528.945 4179346.542 12.12
   LOCATION A0000111     AREA     642608.143 4179386.141 11.65
   LOCATION A0000112     AREA     642687.340 4179425.739 11.33
   LOCATION A0000113     AREA     642766.537 4179465.338 10.70
   LOCATION A0000114     AREA     642845.735 4179504.937 10.57
   LOCATION A0000115     AREA     642924.932 4179544.536 10.40
   LOCATION A0000116     AREA     643004.130 4179584.134 10.13
   LOCATION A0000117     AREA     643083.327 4179623.733 9.75
   LOCATION A0000118     AREA     643162.525 4179663.332 9.29
   LOCATION A0000119     AREA     643241.722 4179702.930 9.28
   LOCATION A0000120     AREA     643320.967 4179742.553 8.75
   LOCATION A0000121     AREA     643396.381 4179781.359 8.35
   LOCATION A0000122     AREA     643471.796 4179820.164 8.47
   LOCATION A0000123     AREA     643547.210 4179858.970 7.57
   LOCATION A0000124     AREA     643622.625 4179897.775 7.58
   LOCATION A0000125     AREA     643698.039 4179936.581 7.26
   LOCATION A0000126     AREA     643773.454 4179975.386 7.22
   LOCATION A0000127     AREA     643848.868 4180014.192 7.26
   LOCATION A0000128     AREA     643924.283 4180052.997 6.97
   LOCATION A0000129     AREA     643999.697 4180091.803 7.16
   LOCATION A0000130     AREA     644075.112 4180130.608 6.89
   LOCATION A0000131     AREA     644150.408 4180169.355 6.76
   LOCATION A0000132     AREA     644212.155 4180198.886 6.90
   LOCATION A0000133     AREA     644273.902 4180228.418 6.37
** End of LINE AREA Source ID = TRALATH_S1_D
** ------------------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = TRALATH_S1_N
** DESCRSRC Tracy-Lathrop Segment - Part 1, Night Time
** PREFIX
** Length of Side = 9.10
** Ratio = 10
** Vertical Dimension = 2.55
** Emission Rate = 1.7108E-08
```

```
** Nodes = 13
** 634064.863, 4175091.399, 40.41, 10.98
** 634588.372, 4175349.127, 34.37, 10.98
** 635409.878, 4175775.987, 26.75, 10.98
** 636336.085, 4176227.010, 21.93, 10.98
** 637294.509, 4176710.249, 21.22, 10.98
** 637979.097, 4177072.678, 21.05, 10.98
** 638945.574, 4177555.917, 18.69, 10.98
** 639871.782, 4178023.047, 16.86, 10.98
** 640959.069, 4178562.664, 14.47, 10.98
** 642368.515, 4179271.414, 12.66, 10.98
** 643318.885, 4179746.599, 8.78, 10.98
** 644148.445, 4180173.460, 5.96, 10.98
** 644333.686, 4180262.053, 5.08, 10.98
** ---------------------------------------------------------------------
   LOCATION A0000134     AREA     634066.873 4175087.317 40.41
   LOCATION A0000135     AREA     634141.660 4175124.135 38.85
   LOCATION A0000136     AREA     634216.447 4175160.953 38.83
   LOCATION A0000137     AREA     634291.234 4175197.772 37.36
   LOCATION A0000138     AREA     634366.021 4175234.590 37.30
   LOCATION A0000139     AREA     634440.808 4175271.408 35.77
   LOCATION A0000140     AREA     634515.595 4175308.226 35.77
   LOCATION A0000141     AREA     634590.470 4175345.089 34.31
   LOCATION A0000142     AREA     634665.152 4175383.895 34.27
   LOCATION A0000143     AREA     634739.835 4175422.700 32.74
   LOCATION A0000144     AREA     634814.517 4175461.506 32.31
   LOCATION A0000145     AREA     634889.199 4175500.311 31.74
   LOCATION A0000146     AREA     634963.882 4175539.117 30.98
   LOCATION A0000147     AREA     635038.564 4175577.922 30.17
   LOCATION A0000148     AREA     635113.246 4175616.728 29.62
   LOCATION A0000149     AREA     635187.929 4175655.533 28.91
   LOCATION A0000150     AREA     635262.611 4175694.339 28.34
   LOCATION A0000151     AREA     635337.293 4175733.144 27.60
   LOCATION A0000152     AREA     635411.870 4175771.897 26.68
   LOCATION A0000153     AREA     635489.054 4175809.482 25.97
   LOCATION A0000154     AREA     635566.238 4175847.067 24.56
   LOCATION A0000155     AREA     635643.422 4175884.652 23.74
   LOCATION A0000156     AREA     635720.606 4175922.238 22.98
   LOCATION A0000157     AREA     635797.790 4175959.823 22.46
   LOCATION A0000158     AREA     635874.974 4175997.408 22.40
   LOCATION A0000159     AREA     635952.158 4176034.993 22.17
   LOCATION A0000160     AREA     636029.342 4176072.579 21.90
   LOCATION A0000161     AREA     636106.526 4176110.164 21.50
   LOCATION A0000162     AREA     636183.710 4176147.749 21.08
   LOCATION A0000163     AREA     636260.893 4176185.334 21.09
   LOCATION A0000164     AREA     636338.134 4176222.947 21.86
   LOCATION A0000165     AREA     636418.002 4176263.217 20.74
   LOCATION A0000166     AREA     636497.871 4176303.487 20.59
   LOCATION A0000167     AREA     636577.740 4176343.757 20.59
   LOCATION A0000168     AREA     636657.608 4176384.027 20.62
   LOCATION A0000169     AREA     636737.477 4176424.297 20.62
   LOCATION A0000170     AREA     636817.346 4176464.567 20.56
   LOCATION A0000171     AREA     636897.214 4176504.837 20.54
   LOCATION A0000172     AREA     636977.083 4176545.107 20.70
   LOCATION A0000173     AREA     637056.951 4176585.376 20.56
   LOCATION A0000174     AREA     637136.820 4176625.646 20.97
   LOCATION A0000175     AREA     637216.689 4176665.916 20.03
   LOCATION A0000176     AREA     637296.638 4176706.228 20.94
   LOCATION A0000177     AREA     637372.703 4176746.498 21.58
   LOCATION A0000178     AREA     637448.768 4176786.767 21.67
   LOCATION A0000179     AREA     637524.834 4176827.037 21.23
   LOCATION A0000180     AREA     637600.899 4176867.307 21.20
   LOCATION A0000181     AREA     637676.965 4176907.577 21.17
   LOCATION A0000182     AREA     637753.030 4176947.847 21.25
   LOCATION A0000183     AREA     637829.095 4176988.117 21.31
   LOCATION A0000184     AREA     637905.161 4177028.387 21.35
   LOCATION A0000185     AREA     637981.132 4177068.608 21.31
   LOCATION A0000186     AREA     638061.672 4177108.878 21.27
   LOCATION A0000187     AREA     638142.211 4177149.148 21.21
   LOCATION A0000188     AREA     638222.751 4177189.418 21.15
   LOCATION A0000189     AREA     638303.291 4177229.688 20.72
   LOCATION A0000190     AREA     638383.831 4177269.958 20.41
   LOCATION A0000191     AREA     638464.371 4177310.228 20.14
   LOCATION A0000192     AREA     638544.910 4177350.498 19.67
   LOCATION A0000193     AREA     638625.450 4177390.767 19.38
   LOCATION A0000194     AREA     638705.990 4177431.037 19.30
   LOCATION A0000195     AREA     638786.530 4177471.307 18.99
   LOCATION A0000196     AREA     638867.069 4177511.577 18.83
   LOCATION A0000197     AREA     638947.623 4177551.854 18.72
   LOCATION A0000198     AREA     639024.807 4177590.782 18.70
   LOCATION A0000199     AREA     639101.991 4177629.709 18.56
   LOCATION A0000200     AREA     639179.175 4177668.637 18.39
   LOCATION A0000201     AREA     639256.359 4177707.564 18.22
   LOCATION A0000202     AREA     639333.543 4177746.492 17.96
   LOCATION A0000203     AREA     639410.727 4177785.420 17.73
   LOCATION A0000204     AREA     639487.911 4177824.347 17.50
   LOCATION A0000205     AREA     639565.095 4177863.275 17.34
   LOCATION A0000206     AREA     639642.279 4177902.202 17.22
   LOCATION A0000207     AREA     639719.463 4177941.130 17.19
   LOCATION A0000208     AREA     639796.647 4177980.057 17.04
   LOCATION A0000209     AREA     639873.805 4178018.972 16.87
   LOCATION A0000210     AREA     639951.468 4178057.516 16.57
   LOCATION A0000211     AREA     640029.131 4178096.060 16.96
   LOCATION A0000212     AREA     640106.795 4178134.604 27.65
   LOCATION A0000213     AREA     640184.458 4178173.148 15.64
```

```
   LOCATION A0000214     AREA     640262.122 4178211.692 15.40
   LOCATION A0000215     AREA     640339.785 4178250.236 15.48
   LOCATION A0000216     AREA     640417.448 4178288.780 15.27
   LOCATION A0000217     AREA     640495.112 4178327.324 15.24
   LOCATION A0000218     AREA     640572.775 4178365.868 15.35
   LOCATION A0000219     AREA     640650.438 4178404.412 15.13
   LOCATION A0000220     AREA     640728.102 4178442.956 15.14
   LOCATION A0000221     AREA     640805.765 4178481.500 15.07
   LOCATION A0000222     AREA     640883.428 4178520.044 14.92
   LOCATION A0000223     AREA     640961.113 4178558.599 14.89
   LOCATION A0000224     AREA     641039.416 4178597.974 14.72
   LOCATION A0000225     AREA     641117.718 4178637.349 14.61
   LOCATION A0000226     AREA     641196.021 4178676.724 14.42
   LOCATION A0000227     AREA     641274.323 4178716.099 14.31
   LOCATION A0000228     AREA     641352.626 4178755.474 14.12
   LOCATION A0000229     AREA     641430.929 4178794.849 13.96
   LOCATION A0000230     AREA     641509.231 4178834.224 13.89
   LOCATION A0000231     AREA     641587.534 4178873.599 13.70
   LOCATION A0000232     AREA     641665.836 4178912.974 13.52
   LOCATION A0000233     AREA     641744.139 4178952.349 13.47
   LOCATION A0000234     AREA     641822.441 4178991.724 13.34
   LOCATION A0000235     AREA     641900.744 4179031.099 13.21
   LOCATION A0000236     AREA     641979.047 4179070.474 13.22
   LOCATION A0000237     AREA     642057.349 4179109.849 13.14
   LOCATION A0000238     AREA     642135.652 4179149.224 12.96
   LOCATION A0000239     AREA     642213.954 4179188.599 12.84
   LOCATION A0000240     AREA     642292.257 4179227.974 12.86
   LOCATION A0000241     AREA     642370.550 4179267.344 12.65
   LOCATION A0000242     AREA     642449.748 4179306.943 12.35
   LOCATION A0000243     AREA     642528.945 4179346.542 12.12
   LOCATION A0000244     AREA     642608.143 4179386.141 11.65
   LOCATION A0000245     AREA     642687.340 4179425.739 11.33
   LOCATION A0000246     AREA     642766.537 4179465.338 10.70
   LOCATION A0000247     AREA     642845.735 4179504.937 10.57
   LOCATION A0000248     AREA     642924.932 4179544.536 10.40
   LOCATION A0000249     AREA     643004.130 4179584.134 10.13
   LOCATION A0000250     AREA     643083.327 4179623.733 9.75
   LOCATION A0000251     AREA     643162.525 4179663.332 9.29
   LOCATION A0000252     AREA     643241.722 4179702.930 9.28
   LOCATION A0000253     AREA     643320.967 4179742.553 8.75
   LOCATION A0000254     AREA     643396.381 4179781.359 8.35
   LOCATION A0000255     AREA     643471.796 4179820.164 8.47
   LOCATION A0000256     AREA     643547.210 4179858.970 7.57
   LOCATION A0000257     AREA     643622.625 4179897.775 7.58
   LOCATION A0000258     AREA     643698.039 4179936.581 7.26
   LOCATION A0000259     AREA     643773.454 4179975.386 7.22
   LOCATION A0000260     AREA     643848.868 4180014.192 7.26
   LOCATION A0000261     AREA     643924.283 4180052.997 6.97
   LOCATION A0000262     AREA     643999.697 4180091.803 7.16
   LOCATION A0000263     AREA     644075.112 4180130.608 6.89
   LOCATION A0000264     AREA     644150.408 4180169.355 6.76
   LOCATION A0000265     AREA     644212.155 4180198.886 6.90
   LOCATION A0000266     AREA     644273.902 4180228.418 6.37
** End of LINE AREA Source ID = TRALATH_S1_N
** Source Parameters **
** LINE AREA Source ID = TRALATH_S1_D
   SRCPARAM A0000001     1.7108E-08     5.870    83.359     9.100   -26.211     1.370
   SRCPARAM A0000002     1.7108E-08     5.870    83.359     9.100   -26.211     1.370
   SRCPARAM A0000003     1.7108E-08     5.870    83.359     9.100   -26.211     1.370
   SRCPARAM A0000004     1.7108E-08     5.870    83.359     9.100   -26.211     1.370
   SRCPARAM A0000005     1.7108E-08     5.870    83.359     9.100   -26.211     1.370
   SRCPARAM A0000006     1.7108E-08     5.870    83.359     9.100   -26.211     1.370
   SRCPARAM A0000007     1.7108E-08     5.870    83.359     9.100   -26.211     1.370
   SRCPARAM A0000008     1.7108E-08     5.870    84.162     9.100   -27.457     1.370
   SRCPARAM A0000009     1.7108E-08     5.870    84.162     9.100   -27.457     1.370
   SRCPARAM A0000010     1.7108E-08     5.870    84.162     9.100   -27.457     1.370
   SRCPARAM A0000011     1.7108E-08     5.870    84.162     9.100   -27.457     1.370
   SRCPARAM A0000012     1.7108E-08     5.870    84.162     9.100   -27.457     1.370
   SRCPARAM A0000013     1.7108E-08     5.870    84.162     9.100   -27.457     1.370
   SRCPARAM A0000014     1.7108E-08     5.870    84.162     9.100   -27.457     1.370
   SRCPARAM A0000015     1.7108E-08     5.870    84.162     9.100   -27.457     1.370
   SRCPARAM A0000016     1.7108E-08     5.870    84.162     9.100   -27.457     1.370
   SRCPARAM A0000017     1.7108E-08     5.870    84.162     9.100   -27.457     1.370
   SRCPARAM A0000018     1.7108E-08     5.870    84.162     9.100   -27.457     1.370
   SRCPARAM A0000019     1.7108E-08     5.870    85.849     9.100   -25.964     1.370
   SRCPARAM A0000020     1.7108E-08     5.870    85.849     9.100   -25.964     1.370
   SRCPARAM A0000021     1.7108E-08     5.870    85.849     9.100   -25.964     1.370
   SRCPARAM A0000022     1.7108E-08     5.870    85.849     9.100   -25.964     1.370
   SRCPARAM A0000023     1.7108E-08     5.870    85.849     9.100   -25.964     1.370
   SRCPARAM A0000024     1.7108E-08     5.870    85.849     9.100   -25.964     1.370
   SRCPARAM A0000025     1.7108E-08     5.870    85.849     9.100   -25.964     1.370
   SRCPARAM A0000026     1.7108E-08     5.870    85.849     9.100   -25.964     1.370
   SRCPARAM A0000027     1.7108E-08     5.870    85.849     9.100   -25.964     1.370
   SRCPARAM A0000028     1.7108E-08     5.870    85.849     9.100   -25.964     1.370
   SRCPARAM A0000029     1.7108E-08     5.870    85.849     9.100   -25.964     1.370
   SRCPARAM A0000030     1.7108E-08     5.870    85.849     9.100   -25.964     1.370
   SRCPARAM A0000031     1.7108E-08     5.870    89.446     9.100   -26.757     1.370
   SRCPARAM A0000032     1.7108E-08     5.870    89.446     9.100   -26.757     1.370
   SRCPARAM A0000033     1.7108E-08     5.870    89.446     9.100   -26.757     1.370
   SRCPARAM A0000034     1.7108E-08     5.870    89.446     9.100   -26.757     1.370
   SRCPARAM A0000035     1.7108E-08     5.870    89.446     9.100   -26.757     1.370
   SRCPARAM A0000036     1.7108E-08     5.870    89.446     9.100   -26.757     1.370
   SRCPARAM A0000037     1.7108E-08     5.870    89.446     9.100   -26.757     1.370
   SRCPARAM A0000038     1.7108E-08     5.870    89.446     9.100   -26.757     1.370
   SRCPARAM A0000039     1.7108E-08     5.870    89.446     9.100   -26.757     1.370
```

```
   SRCPARAM A0000040     1.7108E-08     5.870    89.446     9.100   -26.757     1.370
   SRCPARAM A0000041     1.7108E-08     5.870    89.446     9.100   -26.757     1.370
   SRCPARAM A0000042     1.7108E-08     5.870    89.446     9.100   -26.757     1.370
   SRCPARAM A0000043     1.7108E-08     5.870    86.067     9.100   -27.897     1.370
   SRCPARAM A0000044     1.7108E-08     5.870    86.067     9.100   -27.897     1.370
   SRCPARAM A0000045     1.7108E-08     5.870    86.067     9.100   -27.897     1.370
   SRCPARAM A0000046     1.7108E-08     5.870    86.067     9.100   -27.897     1.370
   SRCPARAM A0000047     1.7108E-08     5.870    86.067     9.100   -27.897     1.370
   SRCPARAM A0000048     1.7108E-08     5.870    86.067     9.100   -27.897     1.370
   SRCPARAM A0000049     1.7108E-08     5.870    86.067     9.100   -27.897     1.370
   SRCPARAM A0000050     1.7108E-08     5.870    86.067     9.100   -27.897     1.370
   SRCPARAM A0000051     1.7108E-08     5.870    86.067     9.100   -27.897     1.370
   SRCPARAM A0000052     1.7108E-08     5.870    90.046     9.100   -26.565     1.370
   SRCPARAM A0000053     1.7108E-08     5.870    90.046     9.100   -26.565     1.370
   SRCPARAM A0000054     1.7108E-08     5.870    90.046     9.100   -26.565     1.370
   SRCPARAM A0000055     1.7108E-08     5.870    90.046     9.100   -26.565     1.370
   SRCPARAM A0000056     1.7108E-08     5.870    90.046     9.100   -26.565     1.370
   SRCPARAM A0000057     1.7108E-08     5.870    90.046     9.100   -26.565     1.370
   SRCPARAM A0000058     1.7108E-08     5.870    90.046     9.100   -26.565     1.370
   SRCPARAM A0000059     1.7108E-08     5.870    90.046     9.100   -26.565     1.370
   SRCPARAM A0000060     1.7108E-08     5.870    90.046     9.100   -26.565     1.370
   SRCPARAM A0000061     1.7108E-08     5.870    90.046     9.100   -26.565     1.370
   SRCPARAM A0000062     1.7108E-08     5.870    90.046     9.100   -26.565     1.370
   SRCPARAM A0000063     1.7108E-08     5.870    90.046     9.100   -26.565     1.370
   SRCPARAM A0000064     1.7108E-08     5.870    86.445     9.100   -26.764     1.370
   SRCPARAM A0000065     1.7108E-08     5.870    86.445     9.100   -26.764     1.370
   SRCPARAM A0000066     1.7108E-08     5.870    86.445     9.100   -26.764     1.370
   SRCPARAM A0000067     1.7108E-08     5.870    86.445     9.100   -26.764     1.370
   SRCPARAM A0000068     1.7108E-08     5.870    86.445     9.100   -26.764     1.370
   SRCPARAM A0000069     1.7108E-08     5.870    86.445     9.100   -26.764     1.370
   SRCPARAM A0000070     1.7108E-08     5.870    86.445     9.100   -26.764     1.370
   SRCPARAM A0000071     1.7108E-08     5.870    86.445     9.100   -26.764     1.370
   SRCPARAM A0000072     1.7108E-08     5.870    86.445     9.100   -26.764     1.370
   SRCPARAM A0000073     1.7108E-08     5.870    86.445     9.100   -26.764     1.370
   SRCPARAM A0000074     1.7108E-08     5.870    86.445     9.100   -26.764     1.370
   SRCPARAM A0000075     1.7108E-08     5.870    86.445     9.100   -26.764     1.370
   SRCPARAM A0000076     1.7108E-08     5.870    86.702     9.100   -26.395     1.370
   SRCPARAM A0000077     1.7108E-08     5.870    86.702     9.100   -26.395     1.370
   SRCPARAM A0000078     1.7108E-08     5.870    86.702     9.100   -26.395     1.370
   SRCPARAM A0000079     1.7108E-08     5.870    86.702     9.100   -26.395     1.370
   SRCPARAM A0000080     1.7108E-08     5.870    86.702     9.100   -26.395     1.370
   SRCPARAM A0000081     1.7108E-08     5.870    86.702     9.100   -26.395     1.370
   SRCPARAM A0000082     1.7108E-08     5.870    86.702     9.100   -26.395     1.370
   SRCPARAM A0000083     1.7108E-08     5.870    86.702     9.100   -26.395     1.370
   SRCPARAM A0000084     1.7108E-08     5.870    86.702     9.100   -26.395     1.370
   SRCPARAM A0000085     1.7108E-08     5.870    86.702     9.100   -26.395     1.370
   SRCPARAM A0000086     1.7108E-08     5.870    86.702     9.100   -26.395     1.370
   SRCPARAM A0000087     1.7108E-08     5.870    86.702     9.100   -26.395     1.370
   SRCPARAM A0000088     1.7108E-08     5.870    86.702     9.100   -26.395     1.370
   SRCPARAM A0000089     1.7108E-08     5.870    86.702     9.100   -26.395     1.370
   SRCPARAM A0000090     1.7108E-08     5.870    87.645     9.100   -26.696     1.370
   SRCPARAM A0000091     1.7108E-08     5.870    87.645     9.100   -26.696     1.370
   SRCPARAM A0000092     1.7108E-08     5.870    87.645     9.100   -26.696     1.370
   SRCPARAM A0000093     1.7108E-08     5.870    87.645     9.100   -26.696     1.370
   SRCPARAM A0000094     1.7108E-08     5.870    87.645     9.100   -26.696     1.370
   SRCPARAM A0000095     1.7108E-08     5.870    87.645     9.100   -26.696     1.370
   SRCPARAM A0000096     1.7108E-08     5.870    87.645     9.100   -26.696     1.370
   SRCPARAM A0000097     1.7108E-08     5.870    87.645     9.100   -26.696     1.370
   SRCPARAM A0000098     1.7108E-08     5.870    87.645     9.100   -26.696     1.370
   SRCPARAM A0000099     1.7108E-08     5.870    87.645     9.100   -26.696     1.370
   SRCPARAM A0000100     1.7108E-08     5.870    87.645     9.100   -26.696     1.370
   SRCPARAM A0000101     1.7108E-08     5.870    87.645     9.100   -26.696     1.370
   SRCPARAM A0000102     1.7108E-08     5.870    87.645     9.100   -26.696     1.370
   SRCPARAM A0000103     1.7108E-08     5.870    87.645     9.100   -26.696     1.370
   SRCPARAM A0000104     1.7108E-08     5.870    87.645     9.100   -26.696     1.370
   SRCPARAM A0000105     1.7108E-08     5.870    87.645     9.100   -26.696     1.370
   SRCPARAM A0000106     1.7108E-08     5.870    87.645     9.100   -26.696     1.370
   SRCPARAM A0000107     1.7108E-08     5.870    87.645     9.100   -26.696     1.370
   SRCPARAM A0000108     1.7108E-08     5.870    88.545     9.100   -26.565     1.370
   SRCPARAM A0000109     1.7108E-08     5.870    88.545     9.100   -26.565     1.370
   SRCPARAM A0000110     1.7108E-08     5.870    88.545     9.100   -26.565     1.370
   SRCPARAM A0000111     1.7108E-08     5.870    88.545     9.100   -26.565     1.370
   SRCPARAM A0000112     1.7108E-08     5.870    88.545     9.100   -26.565     1.370
   SRCPARAM A0000113     1.7108E-08     5.870    88.545     9.100   -26.565     1.370
   SRCPARAM A0000114     1.7108E-08     5.870    88.545     9.100   -26.565     1.370
   SRCPARAM A0000115     1.7108E-08     5.870    88.545     9.100   -26.565     1.370
   SRCPARAM A0000116     1.7108E-08     5.870    88.545     9.100   -26.565     1.370
   SRCPARAM A0000117     1.7108E-08     5.870    88.545     9.100   -26.565     1.370
   SRCPARAM A0000118     1.7108E-08     5.870    88.545     9.100   -26.565     1.370
   SRCPARAM A0000119     1.7108E-08     5.870    88.545     9.100   -26.565     1.370
   SRCPARAM A0000120     1.7108E-08     5.870    84.813     9.100   -27.229     1.370
   SRCPARAM A0000121     1.7108E-08     5.870    84.813     9.100   -27.229     1.370
   SRCPARAM A0000122     1.7108E-08     5.870    84.813     9.100   -27.229     1.370
   SRCPARAM A0000123     1.7108E-08     5.870    84.813     9.100   -27.229     1.370
   SRCPARAM A0000124     1.7108E-08     5.870    84.813     9.100   -27.229     1.370
   SRCPARAM A0000125     1.7108E-08     5.870    84.813     9.100   -27.229     1.370
   SRCPARAM A0000126     1.7108E-08     5.870    84.813     9.100   -27.229     1.370
   SRCPARAM A0000127     1.7108E-08     5.870    84.813     9.100   -27.229     1.370
   SRCPARAM A0000128     1.7108E-08     5.870    84.813     9.100   -27.229     1.370
   SRCPARAM A0000129     1.7108E-08     5.870    84.813     9.100   -27.229     1.370
   SRCPARAM A0000130     1.7108E-08     5.870    84.813     9.100   -27.229     1.370
   SRCPARAM A0000131     1.7108E-08     5.870    68.446     9.100   -25.560     1.370
   SRCPARAM A0000132     1.7108E-08     5.870    68.446     9.100   -25.560     1.370
   SRCPARAM A0000133     1.7108E-08     5.870    68.446     9.100   -25.560     1.370
** ----------------------------------------------------------------------
```

```
** LINE AREA Source ID = TRALATH_S1_N
   SRCPARAM A0000134     1.7108E-08    10.980    83.359     9.100   -26.211     2.550
   SRCPARAM A0000135     1.7108E-08    10.980    83.359     9.100   -26.211     2.550
   SRCPARAM A0000136     1.7108E-08    10.980    83.359     9.100   -26.211     2.550
   SRCPARAM A0000137     1.7108E-08    10.980    83.359     9.100   -26.211     2.550
   SRCPARAM A0000138     1.7108E-08    10.980    83.359     9.100   -26.211     2.550
   SRCPARAM A0000139     1.7108E-08    10.980    83.359     9.100   -26.211     2.550
   SRCPARAM A0000140     1.7108E-08    10.980    83.359     9.100   -26.211     2.550
   SRCPARAM A0000141     1.7108E-08    10.980    84.162     9.100   -27.457     2.550
   SRCPARAM A0000142     1.7108E-08    10.980    84.162     9.100   -27.457     2.550
   SRCPARAM A0000143     1.7108E-08    10.980    84.162     9.100   -27.457     2.550
   SRCPARAM A0000144     1.7108E-08    10.980    84.162     9.100   -27.457     2.550
   SRCPARAM A0000145     1.7108E-08    10.980    84.162     9.100   -27.457     2.550
   SRCPARAM A0000146     1.7108E-08    10.980    84.162     9.100   -27.457     2.550
   SRCPARAM A0000147     1.7108E-08    10.980    84.162     9.100   -27.457     2.550
   SRCPARAM A0000148     1.7108E-08    10.980    84.162     9.100   -27.457     2.550
   SRCPARAM A0000149     1.7108E-08    10.980    84.162     9.100   -27.457     2.550
   SRCPARAM A0000150     1.7108E-08    10.980    84.162     9.100   -27.457     2.550
   SRCPARAM A0000151     1.7108E-08    10.980    84.162     9.100   -27.457     2.550
   SRCPARAM A0000152     1.7108E-08    10.980    85.849     9.100   -25.964     2.550
   SRCPARAM A0000153     1.7108E-08    10.980    85.849     9.100   -25.964     2.550
   SRCPARAM A0000154     1.7108E-08    10.980    85.849     9.100   -25.964     2.550
   SRCPARAM A0000155     1.7108E-08    10.980    85.849     9.100   -25.964     2.550
   SRCPARAM A0000156     1.7108E-08    10.980    85.849     9.100   -25.964     2.550
   SRCPARAM A0000157     1.7108E-08    10.980    85.849     9.100   -25.964     2.550
   SRCPARAM A0000158     1.7108E-08    10.980    85.849     9.100   -25.964     2.550
   SRCPARAM A0000159     1.7108E-08    10.980    85.849     9.100   -25.964     2.550
   SRCPARAM A0000160     1.7108E-08    10.980    85.849     9.100   -25.964     2.550
   SRCPARAM A0000161     1.7108E-08    10.980    85.849     9.100   -25.964     2.550
   SRCPARAM A0000162     1.7108E-08    10.980    85.849     9.100   -25.964     2.550
   SRCPARAM A0000163     1.7108E-08    10.980    85.849     9.100   -25.964     2.550
   SRCPARAM A0000164     1.7108E-08    10.980    89.446     9.100   -26.757     2.550
   SRCPARAM A0000165     1.7108E-08    10.980    89.446     9.100   -26.757     2.550
   SRCPARAM A0000166     1.7108E-08    10.980    89.446     9.100   -26.757     2.550
   SRCPARAM A0000167     1.7108E-08    10.980    89.446     9.100   -26.757     2.550
   SRCPARAM A0000168     1.7108E-08    10.980    89.446     9.100   -26.757     2.550
   SRCPARAM A0000169     1.7108E-08    10.980    89.446     9.100   -26.757     2.550
   SRCPARAM A0000170     1.7108E-08    10.980    89.446     9.100   -26.757     2.550
   SRCPARAM A0000171     1.7108E-08    10.980    89.446     9.100   -26.757     2.550
   SRCPARAM A0000172     1.7108E-08    10.980    89.446     9.100   -26.757     2.550
   SRCPARAM A0000173     1.7108E-08    10.980    89.446     9.100   -26.757     2.550
   SRCPARAM A0000174     1.7108E-08    10.980    89.446     9.100   -26.757     2.550
   SRCPARAM A0000175     1.7108E-08    10.980    89.446     9.100   -26.757     2.550
   SRCPARAM A0000176     1.7108E-08    10.980    86.067     9.100   -27.897     2.550
   SRCPARAM A0000177     1.7108E-08    10.980    86.067     9.100   -27.897     2.550
   SRCPARAM A0000178     1.7108E-08    10.980    86.067     9.100   -27.897     2.550
   SRCPARAM A0000179     1.7108E-08    10.980    86.067     9.100   -27.897     2.550
   SRCPARAM A0000180     1.7108E-08    10.980    86.067     9.100   -27.897     2.550
   SRCPARAM A0000181     1.7108E-08    10.980    86.067     9.100   -27.897     2.550
   SRCPARAM A0000182     1.7108E-08    10.980    86.067     9.100   -27.897     2.550
   SRCPARAM A0000183     1.7108E-08    10.980    86.067     9.100   -27.897     2.550
   SRCPARAM A0000184     1.7108E-08    10.980    86.067     9.100   -27.897     2.550
   SRCPARAM A0000185     1.7108E-08    10.980    90.046     9.100   -26.565     2.550
   SRCPARAM A0000186     1.7108E-08    10.980    90.046     9.100   -26.565     2.550
   SRCPARAM A0000187     1.7108E-08    10.980    90.046     9.100   -26.565     2.550
   SRCPARAM A0000188     1.7108E-08    10.980    90.046     9.100   -26.565     2.550
   SRCPARAM A0000189     1.7108E-08    10.980    90.046     9.100   -26.565     2.550
   SRCPARAM A0000190     1.7108E-08    10.980    90.046     9.100   -26.565     2.550
   SRCPARAM A0000191     1.7108E-08    10.980    90.046     9.100   -26.565     2.550
   SRCPARAM A0000192     1.7108E-08    10.980    90.046     9.100   -26.565     2.550
   SRCPARAM A0000193     1.7108E-08    10.980    90.046     9.100   -26.565     2.550
   SRCPARAM A0000194     1.7108E-08    10.980    90.046     9.100   -26.565     2.550
   SRCPARAM A0000195     1.7108E-08    10.980    90.046     9.100   -26.565     2.550
   SRCPARAM A0000196     1.7108E-08    10.980    90.046     9.100   -26.565     2.550
   SRCPARAM A0000197     1.7108E-08    10.980    86.445     9.100   -26.764     2.550
   SRCPARAM A0000198     1.7108E-08    10.980    86.445     9.100   -26.764     2.550
   SRCPARAM A0000199     1.7108E-08    10.980    86.445     9.100   -26.764     2.550
   SRCPARAM A0000200     1.7108E-08    10.980    86.445     9.100   -26.764     2.550
   SRCPARAM A0000201     1.7108E-08    10.980    86.445     9.100   -26.764     2.550
   SRCPARAM A0000202     1.7108E-08    10.980    86.445     9.100   -26.764     2.550
   SRCPARAM A0000203     1.7108E-08    10.980    86.445     9.100   -26.764     2.550
   SRCPARAM A0000204     1.7108E-08    10.980    86.445     9.100   -26.764     2.550
   SRCPARAM A0000205     1.7108E-08    10.980    86.445     9.100   -26.764     2.550
   SRCPARAM A0000206     1.7108E-08    10.980    86.445     9.100   -26.764     2.550
   SRCPARAM A0000207     1.7108E-08    10.980    86.445     9.100   -26.764     2.550
   SRCPARAM A0000208     1.7108E-08    10.980    86.445     9.100   -26.764     2.550
   SRCPARAM A0000209     1.7108E-08    10.980    86.702     9.100   -26.395     2.550
   SRCPARAM A0000210     1.7108E-08    10.980    86.702     9.100   -26.395     2.550
   SRCPARAM A0000211     1.7108E-08    10.980    86.702     9.100   -26.395     2.550
   SRCPARAM A0000212     1.7108E-08    10.980    86.702     9.100   -26.395     2.550
   SRCPARAM A0000213     1.7108E-08    10.980    86.702     9.100   -26.395     2.550
   SRCPARAM A0000214     1.7108E-08    10.980    86.702     9.100   -26.395     2.550
   SRCPARAM A0000215     1.7108E-08    10.980    86.702     9.100   -26.395     2.550
   SRCPARAM A0000216     1.7108E-08    10.980    86.702     9.100   -26.395     2.550
   SRCPARAM A0000217     1.7108E-08    10.980    86.702     9.100   -26.395     2.550
   SRCPARAM A0000218     1.7108E-08    10.980    86.702     9.100   -26.395     2.550
   SRCPARAM A0000219     1.7108E-08    10.980    86.702     9.100   -26.395     2.550
   SRCPARAM A0000220     1.7108E-08    10.980    86.702     9.100   -26.395     2.550
   SRCPARAM A0000221     1.7108E-08    10.980    86.702     9.100   -26.395     2.550
   SRCPARAM A0000222     1.7108E-08    10.980    86.702     9.100   -26.395     2.550
   SRCPARAM A0000223     1.7108E-08    10.980    87.645     9.100   -26.696     2.550
   SRCPARAM A0000224     1.7108E-08    10.980    87.645     9.100   -26.696     2.550
   SRCPARAM A0000225     1.7108E-08    10.980    87.645     9.100   -26.696     2.550
   SRCPARAM A0000226     1.7108E-08    10.980    87.645     9.100   -26.696     2.550
   SRCPARAM A0000227     1.7108E-08    10.980    87.645     9.100   -26.696     2.550
```

```
   SRCPARAM A0000228     1.7108E-08    10.980    87.645     9.100   -26.696     2.550
   SRCPARAM A0000229     1.7108E-08    10.980    87.645     9.100   -26.696     2.550
   SRCPARAM A0000230     1.7108E-08    10.980    87.645     9.100   -26.696     2.550
   SRCPARAM A0000231     1.7108E-08    10.980    87.645     9.100   -26.696     2.550
   SRCPARAM A0000232     1.7108E-08    10.980    87.645     9.100   -26.696     2.550
   SRCPARAM A0000233     1.7108E-08    10.980    87.645     9.100   -26.696     2.550
   SRCPARAM A0000234     1.7108E-08    10.980    87.645     9.100   -26.696     2.550
   SRCPARAM A0000235     1.7108E-08    10.980    87.645     9.100   -26.696     2.550
   SRCPARAM A0000236     1.7108E-08    10.980    87.645     9.100   -26.696     2.550
   SRCPARAM A0000237     1.7108E-08    10.980    87.645     9.100   -26.696     2.550
   SRCPARAM A0000238     1.7108E-08    10.980    87.645     9.100   -26.696     2.550
   SRCPARAM A0000239     1.7108E-08    10.980    87.645     9.100   -26.696     2.550
   SRCPARAM A0000240     1.7108E-08    10.980    87.645     9.100   -26.696     2.550
   SRCPARAM A0000241     1.7108E-08    10.980    88.545     9.100   -26.565     2.550
   SRCPARAM A0000242     1.7108E-08    10.980    88.545     9.100   -26.565     2.550
   SRCPARAM A0000243     1.7108E-08    10.980    88.545     9.100   -26.565     2.550
   SRCPARAM A0000244     1.7108E-08    10.980    88.545     9.100   -26.565     2.550
   SRCPARAM A0000245     1.7108E-08    10.980    88.545     9.100   -26.565     2.550
   SRCPARAM A0000246     1.7108E-08    10.980    88.545     9.100   -26.565     2.550
   SRCPARAM A0000247     1.7108E-08    10.980    88.545     9.100   -26.565     2.550
   SRCPARAM A0000248     1.7108E-08    10.980    88.545     9.100   -26.565     2.550
   SRCPARAM A0000249     1.7108E-08    10.980    88.545     9.100   -26.565     2.550
   SRCPARAM A0000250     1.7108E-08    10.980    88.545     9.100   -26.565     2.550
   SRCPARAM A0000251     1.7108E-08    10.980    88.545     9.100   -26.565     2.550
   SRCPARAM A0000252     1.7108E-08    10.980    88.545     9.100   -26.565     2.550
   SRCPARAM A0000253     1.7108E-08    10.980    84.813     9.100   -27.229     2.550
   SRCPARAM A0000254     1.7108E-08    10.980    84.813     9.100   -27.229     2.550
   SRCPARAM A0000255     1.7108E-08    10.980    84.813     9.100   -27.229     2.550
   SRCPARAM A0000256     1.7108E-08    10.980    84.813     9.100   -27.229     2.550
   SRCPARAM A0000257     1.7108E-08    10.980    84.813     9.100   -27.229     2.550
   SRCPARAM A0000258     1.7108E-08    10.980    84.813     9.100   -27.229     2.550
   SRCPARAM A0000259     1.7108E-08    10.980    84.813     9.100   -27.229     2.550
   SRCPARAM A0000260     1.7108E-08    10.980    84.813     9.100   -27.229     2.550
   SRCPARAM A0000261     1.7108E-08    10.980    84.813     9.100   -27.229     2.550
   SRCPARAM A0000262     1.7108E-08    10.980    84.813     9.100   -27.229     2.550
   SRCPARAM A0000263     1.7108E-08    10.980    84.813     9.100   -27.229     2.550
   SRCPARAM A0000264     1.7108E-08    10.980    68.446     9.100   -25.560     2.550
   SRCPARAM A0000265     1.7108E-08    10.980    68.446     9.100   -25.560     2.550
   SRCPARAM A0000266     1.7108E-08    10.980    68.446     9.100   -25.560     2.550
** ------------------------------------------------------------------------
   URBANSRC ALL

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Day"
   EMISFACT A0000001     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000001     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000001     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000001     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000002     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000002     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000002     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000002     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000003     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000003     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000003     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000003     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000004     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000004     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000004     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000004     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000005     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000005     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000005     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000005     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000006     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000006     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000006     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000006     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000007     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000007     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000007     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000007     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000008     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000008     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000008     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000008     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000009     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000009     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000009     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000009     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000010     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000010     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000010     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000010     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000011     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000011     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000011     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000011     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000012     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000012     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000013     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
```

```
EMISFACT A0000013     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000014     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000014     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000014     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000014     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000015     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000015     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000015     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000015     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000016     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000016     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000016     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000016     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000017     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000017     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000017     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000017     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000018     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000018     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000018     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000018     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000019     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000019     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000019     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000019     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000020     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000020     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000020     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000020     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000021     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000021     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000021     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000021     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000022     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000022     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000022     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000022     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000023     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000023     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000023     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000023     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000024     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000024     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000024     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000024     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000025     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000025     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000025     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000025     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000026     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000026     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000026     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000026     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000027     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000027     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000027     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000027     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000028     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000028     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000028     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000028     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000029     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000029     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000029     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000029     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000030     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000030     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000030     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000030     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000031     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000031     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000031     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000031     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000032     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000032     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000032     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000032     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000033     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000033     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000033     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000033     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000034     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000034     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000034     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000034     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000035     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000035     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000035     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000035     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000036     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000036     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000036     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000036     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000037     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000037     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
```

```
EMISFACT A0000037     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000037     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000038     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000038     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000038     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000038     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000039     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000039     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000039     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000039     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000040     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000040     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000040     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000040     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000041     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000041     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000041     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000041     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000042     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000042     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000042     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000042     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000043     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000043     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000043     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000043     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000044     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000044     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000044     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000044     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000045     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000045     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000045     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000045     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000046     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000046     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000046     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000046     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000047     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000047     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000047     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000047     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000048     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000048     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000048     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000048     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000049     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000049     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000049     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000049     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000050     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000050     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000050     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000050     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000051     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000051     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000051     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000051     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000052     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000052     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000052     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000052     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000053     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000053     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000053     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000053     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000054     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000054     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000054     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000054     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000055     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000055     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000055     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000055     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000056     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000056     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000056     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000056     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000057     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000057     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000057     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000057     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000058     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000058     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000058     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000058     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000059     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000059     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000059     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000059     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000060     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000060     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000060     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000060     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000061     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT A0000061     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000061     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000061     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000062     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000062     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000062     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000062     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000063     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000063     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000063     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000063     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000064     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000064     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000064     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000064     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000065     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000065     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000065     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000065     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000066     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000066     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000066     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000066     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000067     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000067     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000067     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000067     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000068     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000068     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000068     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000068     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000069     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000069     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000069     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000069     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000070     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000070     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000070     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000070     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000071     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000071     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000071     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000071     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000072     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000072     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000072     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000072     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000073     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000073     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000073     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000073     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000074     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000074     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000074     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000074     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000075     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000075     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000075     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000075     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000076     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000076     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000076     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000076     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000077     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000077     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000077     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000077     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000078     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000078     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000078     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000078     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000079     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000079     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000079     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000079     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000080     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000080     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000080     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000080     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000081     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000081     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000081     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000081     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000082     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000082     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000082     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000082     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000083     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000083     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000083     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000083     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000084     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000084     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000084     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000084     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT A0000085     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000085     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000085     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000085     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000086     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000086     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000086     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000086     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000087     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000087     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000087     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000087     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000088     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000088     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000088     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000088     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000089     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000089     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000089     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000089     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000090     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000090     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000090     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000090     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000091     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000091     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000091     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000091     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000092     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000092     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000092     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000092     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000093     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000093     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000093     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000093     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000094     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000094     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000094     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000094     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000095     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000095     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000095     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000095     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000096     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000096     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000096     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000096     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000097     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000097     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000097     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000097     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000098     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000098     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000098     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000098     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000099     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000099     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000099     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000099     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000100     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000100     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000100     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000100     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000101     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000101     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000101     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000101     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000102     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000102     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000102     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000102     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000103     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000103     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000103     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000103     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000104     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000104     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000104     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000104     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000105     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000105     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000105     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000105     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000106     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000106     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000106     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000106     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000107     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000107     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000107     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000107     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000108     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000108     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000108     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
```

```
EMISFACT A0000108     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000109     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000109     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000109     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000109     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000110     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000110     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000110     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000110     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000111     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000111     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000111     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000111     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000112     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000112     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000112     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000112     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000113     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000113     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000113     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000113     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000114     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000114     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000114     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000114     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000115     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000115     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000115     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000115     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000116     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000116     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000116     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000116     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000117     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000117     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000117     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000117     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000118     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000118     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000118     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000118     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000119     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000119     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000119     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000119     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000120     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000120     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000120     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000120     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000121     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000121     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000121     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000121     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000122     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000122     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000122     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000122     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000123     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000123     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000123     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000123     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000124     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000124     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000124     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000124     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000125     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000125     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000125     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000125     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000126     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000126     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000126     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000126     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000127     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000127     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000127     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000127     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000128     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000128     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000128     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000128     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000129     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000129     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000129     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000129     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000130     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000130     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000130     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000130     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000131     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000131     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000131     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000131     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000132     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000132     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT A0000132     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000132     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000133     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000133     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000133     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000133     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Night"
   EMISFACT A0000134     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000134     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000134     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000134     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000135     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000135     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000135     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000135     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000136     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000136     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000136     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000136     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000137     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000137     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000137     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000137     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000138     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000138     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000138     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000138     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000139     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000139     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000139     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000139     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000140     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000140     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000140     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000140     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000141     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000141     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000141     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000141     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000142     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000142     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000142     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000142     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000143     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000143     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000143     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000143     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000144     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000144     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000144     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000144     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000145     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000145     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000145     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000145     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000146     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000146     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000146     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000146     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000147     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000147     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000147     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000147     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000148     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000148     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000148     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000148     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000149     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000149     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000149     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000149     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000150     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000150     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000150     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000150     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000151     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000151     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000151     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000151     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000152     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000152     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000152     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000152     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000153     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000153     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000153     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000153     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000154     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000154     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000154     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000154     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000155     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000155     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
```

```
EMISFACT A0000155     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000155     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000156     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000156     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000156     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000156     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000157     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000157     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000157     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000157     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000158     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000158     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000158     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000158     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000159     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000159     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000159     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000159     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000160     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000160     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000160     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000160     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000161     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000161     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000161     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000161     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000162     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000162     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000162     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000162     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000163     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000163     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000163     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000163     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000164     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000164     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000164     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000164     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000165     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000165     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000165     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000165     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000166     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000166     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000166     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000166     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000167     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000167     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000167     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000167     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000168     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000168     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000168     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000168     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000169     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000169     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000169     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000169     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000170     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000170     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000170     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000170     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000171     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000171     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000171     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000171     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000172     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000172     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000172     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000172     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000173     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000173     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000173     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000173     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000174     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000174     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000174     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000174     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000175     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000175     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000175     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000175     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000176     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000176     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000176     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000176     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000177     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000177     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000177     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000177     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000178     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000178     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000178     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000178     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000179     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
```

```
EMISFACT A0000179     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000179     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000179     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000180     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000180     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000180     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000180     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000181     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000181     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000181     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000181     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000182     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000182     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000182     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000182     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000183     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000183     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000183     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000183     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000184     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000184     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000184     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000184     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000185     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000185     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000185     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000185     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000186     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000186     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000186     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000186     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000187     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000187     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000187     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000187     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000188     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000188     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000188     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000188     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000189     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000189     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000189     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000189     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000190     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000190     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000190     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000190     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000191     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000191     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000191     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000191     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000192     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000192     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000192     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000192     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000193     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000193     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000193     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000193     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000194     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000194     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000194     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000194     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000195     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000195     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000195     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000195     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000196     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000196     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000196     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000196     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000197     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000197     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000197     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000197     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000198     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000198     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000198     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000198     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000199     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000199     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000199     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000199     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000200     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000200     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000200     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000200     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000201     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000201     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000201     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000201     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000202     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000202     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000202     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000202     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
```

```
EMISFACT A0000203     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000203     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000203     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000203     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000204     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000204     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000204     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000204     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000205     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000205     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000205     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000205     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000206     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000206     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000206     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000206     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000207     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000207     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000207     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000207     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000208     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000208     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000208     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000208     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000209     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000209     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000209     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000209     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000210     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000210     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000210     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000210     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000211     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000211     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000211     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000211     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000212     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000212     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000212     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000212     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000213     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000213     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000213     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000213     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000214     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000214     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000214     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000214     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000215     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000215     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000215     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000215     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000216     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000216     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000216     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000216     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000217     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000217     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000217     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000217     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000218     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000218     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000218     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000218     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000219     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000219     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000219     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000219     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000220     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000220     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000220     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000220     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000221     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000221     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000221     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000221     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000222     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000222     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000222     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000222     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000223     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000223     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000223     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000223     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000224     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000224     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000224     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000224     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000225     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000225     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000225     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000225     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000226     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000226     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000226     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
```

```
EMISFACT A0000226     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000227     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000227     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000227     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000227     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000228     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000228     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000228     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000228     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000229     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000229     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000229     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000229     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000230     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000230     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000230     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000230     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000231     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000231     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000231     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000231     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000232     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000232     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000232     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000232     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000233     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000233     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000233     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000233     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000234     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000234     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000234     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000234     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000235     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000235     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000235     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000235     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000236     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000236     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000236     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000236     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000237     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000237     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000237     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000237     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000238     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000238     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000238     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000238     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000239     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000239     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000239     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000239     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000240     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000240     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000240     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000240     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000241     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000241     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000241     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000241     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000242     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000242     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000242     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000242     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000243     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000243     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000243     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000243     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000244     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000244     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000244     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000244     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000245     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000245     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000245     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000245     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000246     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000246     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000246     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000246     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000247     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000247     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000247     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000247     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000248     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000248     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000248     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000248     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000249     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000249     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000249     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000249     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000250     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000250     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000250     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000250     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000251     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000251     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000251     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000251     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000252     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000252     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000252     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000252     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000253     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000253     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000253     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000253     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000254     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000254     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000254     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000254     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000255     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000255     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000255     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000255     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000256     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000256     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000256     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000256     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000257     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000257     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000257     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000257     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000258     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000258     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000258     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000258     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000259     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000259     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000259     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000259     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000260     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000260     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000260     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000260     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000261     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000261     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000261     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000261     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000262     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000262     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000262     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000262     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000263     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000263     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000263     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000263     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000264     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000264     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000264     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000264     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000265     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000265     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000265     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000265     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000266     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000266     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000266     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000266     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED Tracy-Lathrop_S1_operation_2040_DPM.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08.SFC
   PROFFILE ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08.PFL
   SURFDATA 99008 2004
   UAIRDATA 66666 2004
   PROFBASE 158.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
```

```
**
OU STARTING
   PLOTFILE ANNUAL ALL TRACY-LATHROP_S1_OPERATION_2040_DPM.AD\Tracy-Lathrop_S1_operation_2040_annual_DPM.PLT 31
   SUMMFILE Tracy-Lathrop_S1_operation_2040_DPM.sum
OU FINISHED

 *********************************
 *** SETUP Finishes Successfully ***
 *********************************
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

**Model Is Setup For Calculation of Average CONCentration Values.

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for   266 Source(s),
  for Total of   1 Urban Area(s):
  Urban Population =   4656000.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Full Conversion Assumed for NO2.
        6. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:
        FASTAREA - Use hybrid approach to optimize AREA sources;
                   also applies to LINE sources (formerly TOXICS option)
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 266 Source(s);   1 Source Group(s); and   926 Receptor(s)

               with: 0 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 0 VOLUME source(s)
                and: 266 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with   0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   158.00 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   3.8 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: Tracy-Lathrop_S1_operation_2040_DPM.err
**File for Summary of Results: Tracy-Lathrop_S1_operation_2040_DPM.sum

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000001	0	0.17108E-07	634066.9	4175087.3	40.4	5.87	83.36	9.10	-26.21	1.37	YES	HROFDY
A0000002	0	0.17108E-07	634141.7	4175124.1	38.8	5.87	83.36	9.10	-26.21	1.37	YES	HROFDY
A0000003	0	0.17108E-07	634216.4	4175161.0	38.8	5.87	83.36	9.10	-26.21	1.37	YES	HROFDY
A0000004	0	0.17108E-07	634291.2	4175197.8	37.4	5.87	83.36	9.10	-26.21	1.37	YES	HROFDY
A0000005	0	0.17108E-07	634366.0	4175234.6	37.3	5.87	83.36	9.10	-26.21	1.37	YES	HROFDY
A0000006	0	0.17108E-07	634440.8	4175271.4	35.8	5.87	83.36	9.10	-26.21	1.37	YES	HROFDY
A0000007	0	0.17108E-07	634515.6	4175308.2	35.8	5.87	83.36	9.10	-26.21	1.37	YES	HROFDY
A0000008	0	0.17108E-07	634590.5	4175345.1	34.3	5.87	84.16	9.10	-27.46	1.37	YES	HROFDY
A0000009	0	0.17108E-07	634665.2	4175383.9	34.3	5.87	84.16	9.10	-27.46	1.37	YES	HROFDY
A0000010	0	0.17108E-07	634739.8	4175422.7	32.7	5.87	84.16	9.10	-27.46	1.37	YES	HROFDY
A0000011	0	0.17108E-07	634814.5	4175461.5	32.3	5.87	84.16	9.10	-27.46	1.37	YES	HROFDY
A0000012	0	0.17108E-07	634889.2	4175500.3	31.7	5.87	84.16	9.10	-27.46	1.37	YES	HROFDY
A0000013	0	0.17108E-07	634963.9	4175539.1	31.0	5.87	84.16	9.10	-27.46	1.37	YES	HROFDY
A0000014	0	0.17108E-07	635038.6	4175577.9	30.2	5.87	84.16	9.10	-27.46	1.37	YES	HROFDY
A0000015	0	0.17108E-07	635113.2	4175616.7	29.6	5.87	84.16	9.10	-27.46	1.37	YES	HROFDY
A0000016	0	0.17108E-07	635187.9	4175655.5	28.9	5.87	84.16	9.10	-27.46	1.37	YES	HROFDY
A0000017	0	0.17108E-07	635262.6	4175694.3	28.3	5.87	84.16	9.10	-27.46	1.37	YES	HROFDY
A0000018	0	0.17108E-07	635337.3	4175733.1	27.6	5.87	84.16	9.10	-27.46	1.37	YES	HROFDY
A0000019	0	0.17108E-07	635411.9	4175771.9	26.7	5.87	85.85	9.10	-25.96	1.37	YES	HROFDY
A0000020	0	0.17108E-07	635489.1	4175809.5	26.0	5.87	85.85	9.10	-25.96	1.37	YES	HROFDY
A0000021	0	0.17108E-07	635566.2	4175847.1	24.6	5.87	85.85	9.10	-25.96	1.37	YES	HROFDY
A0000022	0	0.17108E-07	635643.4	4175884.7	23.7	5.87	85.85	9.10	-25.96	1.37	YES	HROFDY
A0000023	0	0.17108E-07	635720.6	4175922.2	23.0	5.87	85.85	9.10	-25.96	1.37	YES	HROFDY
A0000024	0	0.17108E-07	635797.8	4175959.8	22.5	5.87	85.85	9.10	-25.96	1.37	YES	HROFDY
A0000025	0	0.17108E-07	635875.0	4175997.4	22.4	5.87	85.85	9.10	-25.96	1.37	YES	HROFDY
A0000026	0	0.17108E-07	635952.2	4176035.0	22.2	5.87	85.85	9.10	-25.96	1.37	YES	HROFDY
A0000027	0	0.17108E-07	636029.3	4176072.6	21.9	5.87	85.85	9.10	-25.96	1.37	YES	HROFDY
A0000028	0	0.17108E-07	636106.5	4176110.2	21.5	5.87	85.85	9.10	-25.96	1.37	YES	HROFDY
A0000029	0	0.17108E-07	636183.7	4176147.7	21.1	5.87	85.85	9.10	-25.96	1.37	YES	HROFDY
A0000030	0	0.17108E-07	636260.9	4176185.3	21.1	5.87	85.85	9.10	-25.96	1.37	YES	HROFDY
A0000031	0	0.17108E-07	636338.1	4176222.9	21.9	5.87	89.45	9.10	-26.76	1.37	YES	HROFDY
A0000032	0	0.17108E-07	636418.0	4176263.2	20.7	5.87	89.45	9.10	-26.76	1.37	YES	HROFDY
A0000033	0	0.17108E-07	636497.9	4176303.5	20.6	5.87	89.45	9.10	-26.76	1.37	YES	HROFDY
A0000034	0	0.17108E-07	636577.7	4176343.8	20.6	5.87	89.45	9.10	-26.76	1.37	YES	HROFDY
A0000035	0	0.17108E-07	636657.6	4176384.0	20.6	5.87	89.45	9.10	-26.76	1.37	YES	HROFDY
A0000036	0	0.17108E-07	636737.5	4176424.3	20.6	5.87	89.45	9.10	-26.76	1.37	YES	HROFDY
A0000037	0	0.17108E-07	636817.3	4176464.6	20.6	5.87	89.45	9.10	-26.76	1.37	YES	HROFDY
A0000038	0	0.17108E-07	636897.2	4176504.8	20.5	5.87	89.45	9.10	-26.76	1.37	YES	HROFDY
A0000039	0	0.17108E-07	636977.1	4176545.1	20.7	5.87	89.45	9.10	-26.76	1.37	YES	HROFDY
A0000040	0	0.17108E-07	637057.0	4176585.4	20.6	5.87	89.45	9.10	-26.76	1.37	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000041	0	0.17108E-07	637136.8	4176625.6	21.0	5.87	89.45	9.10	-26.76	1.37	YES	HROFDY
A0000042	0	0.17108E-07	637216.7	4176665.9	20.0	5.87	89.45	9.10	-26.76	1.37	YES	HROFDY
A0000043	0	0.17108E-07	637296.6	4176706.2	20.9	5.87	86.07	9.10	-27.90	1.37	YES	HROFDY
A0000044	0	0.17108E-07	637372.7	4176746.5	21.6	5.87	86.07	9.10	-27.90	1.37	YES	HROFDY
A0000045	0	0.17108E-07	637448.8	4176786.8	21.7	5.87	86.07	9.10	-27.90	1.37	YES	HROFDY
A0000046	0	0.17108E-07	637524.8	4176827.0	21.2	5.87	86.07	9.10	-27.90	1.37	YES	HROFDY
A0000047	0	0.17108E-07	637600.9	4176867.3	21.2	5.87	86.07	9.10	-27.90	1.37	YES	HROFDY
A0000048	0	0.17108E-07	637677.0	4176907.6	21.2	5.87	86.07	9.10	-27.90	1.37	YES	HROFDY
A0000049	0	0.17108E-07	637753.0	4176947.8	21.2	5.87	86.07	9.10	-27.90	1.37	YES	HROFDY
A0000050	0	0.17108E-07	637829.1	4176988.1	21.3	5.87	86.07	9.10	-27.90	1.37	YES	HROFDY
A0000051	0	0.17108E-07	637905.2	4177028.4	21.4	5.87	86.07	9.10	-27.90	1.37	YES	HROFDY
A0000052	0	0.17108E-07	637981.1	4177068.6	21.3	5.87	90.05	9.10	-26.56	1.37	YES	HROFDY
A0000053	0	0.17108E-07	638061.7	4177108.9	21.3	5.87	90.05	9.10	-26.56	1.37	YES	HROFDY
A0000054	0	0.17108E-07	638142.2	4177149.1	21.2	5.87	90.05	9.10	-26.56	1.37	YES	HROFDY
A0000055	0	0.17108E-07	638222.8	4177189.4	21.2	5.87	90.05	9.10	-26.56	1.37	YES	HROFDY
A0000056	0	0.17108E-07	638303.3	4177229.7	20.7	5.87	90.05	9.10	-26.56	1.37	YES	HROFDY
A0000057	0	0.17108E-07	638383.8	4177270.0	20.4	5.87	90.05	9.10	-26.56	1.37	YES	HROFDY
A0000058	0	0.17108E-07	638464.4	4177310.2	20.1	5.87	90.05	9.10	-26.56	1.37	YES	HROFDY
A0000059	0	0.17108E-07	638544.9	4177350.5	19.7	5.87	90.05	9.10	-26.56	1.37	YES	HROFDY
A0000060	0	0.17108E-07	638625.5	4177390.8	19.4	5.87	90.05	9.10	-26.56	1.37	YES	HROFDY
A0000061	0	0.17108E-07	638706.0	4177431.0	19.3	5.87	90.05	9.10	-26.56	1.37	YES	HROFDY
A0000062	0	0.17108E-07	638786.5	4177471.3	19.0	5.87	90.05	9.10	-26.56	1.37	YES	HROFDY
A0000063	0	0.17108E-07	638867.1	4177511.6	18.8	5.87	90.05	9.10	-26.56	1.37	YES	HROFDY
A0000064	0	0.17108E-07	638947.6	4177551.9	18.7	5.87	86.45	9.10	-26.76	1.37	YES	HROFDY
A0000065	0	0.17108E-07	639024.8	4177590.8	18.7	5.87	86.45	9.10	-26.76	1.37	YES	HROFDY
A0000066	0	0.17108E-07	639102.0	4177629.7	18.6	5.87	86.45	9.10	-26.76	1.37	YES	HROFDY
A0000067	0	0.17108E-07	639179.2	4177668.6	18.4	5.87	86.45	9.10	-26.76	1.37	YES	HROFDY
A0000068	0	0.17108E-07	639256.4	4177707.6	18.2	5.87	86.45	9.10	-26.76	1.37	YES	HROFDY
A0000069	0	0.17108E-07	639333.5	4177746.5	18.0	5.87	86.45	9.10	-26.76	1.37	YES	HROFDY
A0000070	0	0.17108E-07	639410.7	4177785.4	17.7	5.87	86.45	9.10	-26.76	1.37	YES	HROFDY
A0000071	0	0.17108E-07	639487.9	4177824.3	17.5	5.87	86.45	9.10	-26.76	1.37	YES	HROFDY
A0000072	0	0.17108E-07	639565.1	4177863.3	17.3	5.87	86.45	9.10	-26.76	1.37	YES	HROFDY
A0000073	0	0.17108E-07	639642.3	4177902.2	17.2	5.87	86.45	9.10	-26.76	1.37	YES	HROFDY
A0000074	0	0.17108E-07	639719.5	4177941.1	17.2	5.87	86.45	9.10	-26.76	1.37	YES	HROFDY
A0000075	0	0.17108E-07	639796.6	4177980.1	17.0	5.87	86.45	9.10	-26.76	1.37	YES	HROFDY
A0000076	0	0.17108E-07	639873.8	4178019.0	16.9	5.87	86.70	9.10	-26.39	1.37	YES	HROFDY
A0000077	0	0.17108E-07	639951.5	4178057.5	16.6	5.87	86.70	9.10	-26.39	1.37	YES	HROFDY
A0000078	0	0.17108E-07	640029.1	4178096.1	17.0	5.87	86.70	9.10	-26.39	1.37	YES	HROFDY
A0000079	0	0.17108E-07	640106.8	4178134.6	27.7	5.87	86.70	9.10	-26.39	1.37	YES	HROFDY
A0000080	0	0.17108E-07	640184.5	4178173.1	15.6	5.87	86.70	9.10	-26.39	1.37	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000081	0	0.17108E-07	640262.1	4178211.7	15.4	5.87	86.70	9.10	-26.39	1.37	YES	HROFDY
A0000082	0	0.17108E-07	640339.8	4178250.2	15.5	5.87	86.70	9.10	-26.39	1.37	YES	HROFDY
A0000083	0	0.17108E-07	640417.4	4178288.8	15.3	5.87	86.70	9.10	-26.39	1.37	YES	HROFDY
A0000084	0	0.17108E-07	640495.1	4178327.3	15.2	5.87	86.70	9.10	-26.39	1.37	YES	HROFDY
A0000085	0	0.17108E-07	640572.8	4178365.9	15.4	5.87	86.70	9.10	-26.39	1.37	YES	HROFDY
A0000086	0	0.17108E-07	640650.4	4178404.4	15.1	5.87	86.70	9.10	-26.39	1.37	YES	HROFDY
A0000087	0	0.17108E-07	640728.1	4178443.0	15.1	5.87	86.70	9.10	-26.39	1.37	YES	HROFDY
A0000088	0	0.17108E-07	640805.8	4178481.5	15.1	5.87	86.70	9.10	-26.39	1.37	YES	HROFDY
A0000089	0	0.17108E-07	640883.4	4178520.0	14.9	5.87	86.70	9.10	-26.39	1.37	YES	HROFDY
A0000090	0	0.17108E-07	640961.1	4178558.6	14.9	5.87	87.64	9.10	-26.70	1.37	YES	HROFDY
A0000091	0	0.17108E-07	641039.4	4178598.0	14.7	5.87	87.64	9.10	-26.70	1.37	YES	HROFDY
A0000092	0	0.17108E-07	641117.7	4178637.3	14.6	5.87	87.64	9.10	-26.70	1.37	YES	HROFDY
A0000093	0	0.17108E-07	641196.0	4178676.7	14.4	5.87	87.64	9.10	-26.70	1.37	YES	HROFDY
A0000094	0	0.17108E-07	641274.3	4178716.1	14.3	5.87	87.64	9.10	-26.70	1.37	YES	HROFDY
A0000095	0	0.17108E-07	641352.6	4178755.5	14.1	5.87	87.64	9.10	-26.70	1.37	YES	HROFDY
A0000096	0	0.17108E-07	641430.9	4178794.8	14.0	5.87	87.64	9.10	-26.70	1.37	YES	HROFDY
A0000097	0	0.17108E-07	641509.2	4178834.2	13.9	5.87	87.64	9.10	-26.70	1.37	YES	HROFDY
A0000098	0	0.17108E-07	641587.5	4178873.6	13.7	5.87	87.64	9.10	-26.70	1.37	YES	HROFDY
A0000099	0	0.17108E-07	641665.8	4178913.0	13.5	5.87	87.64	9.10	-26.70	1.37	YES	HROFDY
A0000100	0	0.17108E-07	641744.1	4178952.3	13.5	5.87	87.64	9.10	-26.70	1.37	YES	HROFDY
A0000101	0	0.17108E-07	641822.4	4178991.7	13.3	5.87	87.64	9.10	-26.70	1.37	YES	HROFDY
A0000102	0	0.17108E-07	641900.7	4179031.1	13.2	5.87	87.64	9.10	-26.70	1.37	YES	HROFDY
A0000103	0	0.17108E-07	641979.0	4179070.5	13.2	5.87	87.64	9.10	-26.70	1.37	YES	HROFDY
A0000104	0	0.17108E-07	642057.3	4179109.8	13.1	5.87	87.64	9.10	-26.70	1.37	YES	HROFDY
A0000105	0	0.17108E-07	642135.7	4179149.2	13.0	5.87	87.64	9.10	-26.70	1.37	YES	HROFDY
A0000106	0	0.17108E-07	642214.0	4179188.6	12.8	5.87	87.64	9.10	-26.70	1.37	YES	HROFDY
A0000107	0	0.17108E-07	642292.3	4179228.0	12.9	5.87	87.64	9.10	-26.70	1.37	YES	HROFDY
A0000108	0	0.17108E-07	642370.6	4179267.3	12.7	5.87	88.55	9.10	-26.56	1.37	YES	HROFDY
A0000109	0	0.17108E-07	642449.7	4179306.9	12.4	5.87	88.55	9.10	-26.56	1.37	YES	HROFDY
A0000110	0	0.17108E-07	642528.9	4179346.5	12.1	5.87	88.55	9.10	-26.56	1.37	YES	HROFDY
A0000111	0	0.17108E-07	642608.1	4179386.1	11.7	5.87	88.55	9.10	-26.56	1.37	YES	HROFDY
A0000112	0	0.17108E-07	642687.3	4179425.7	11.3	5.87	88.55	9.10	-26.56	1.37	YES	HROFDY
A0000113	0	0.17108E-07	642766.5	4179465.3	10.7	5.87	88.55	9.10	-26.56	1.37	YES	HROFDY
A0000114	0	0.17108E-07	642845.7	4179504.9	10.6	5.87	88.55	9.10	-26.56	1.37	YES	HROFDY
A0000115	0	0.17108E-07	642924.9	4179544.5	10.4	5.87	88.55	9.10	-26.56	1.37	YES	HROFDY
A0000116	0	0.17108E-07	643004.1	4179584.1	10.1	5.87	88.55	9.10	-26.56	1.37	YES	HROFDY
A0000117	0	0.17108E-07	643083.3	4179623.7	9.8	5.87	88.55	9.10	-26.56	1.37	YES	HROFDY
A0000118	0	0.17108E-07	643162.5	4179663.3	9.3	5.87	88.55	9.10	-26.56	1.37	YES	HROFDY
A0000119	0	0.17108E-07	643241.7	4179702.9	9.3	5.87	88.55	9.10	-26.56	1.37	YES	HROFDY
A0000120	0	0.17108E-07	643321.0	4179742.6	8.8	5.87	84.81	9.10	-27.23	1.37	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000121	0	0.17108E-07	643396.4	4179781.4	8.4	5.87	84.81	9.10	-27.23	1.37	YES	HROFDY
A0000122	0	0.17108E-07	643471.8	4179820.2	8.5	5.87	84.81	9.10	-27.23	1.37	YES	HROFDY
A0000123	0	0.17108E-07	643547.2	4179859.0	7.6	5.87	84.81	9.10	-27.23	1.37	YES	HROFDY
A0000124	0	0.17108E-07	643622.6	4179897.8	7.6	5.87	84.81	9.10	-27.23	1.37	YES	HROFDY
A0000125	0	0.17108E-07	643698.0	4179936.6	7.3	5.87	84.81	9.10	-27.23	1.37	YES	HROFDY
A0000126	0	0.17108E-07	643773.5	4179975.4	7.2	5.87	84.81	9.10	-27.23	1.37	YES	HROFDY
A0000127	0	0.17108E-07	643848.9	4180014.2	7.3	5.87	84.81	9.10	-27.23	1.37	YES	HROFDY
A0000128	0	0.17108E-07	643924.3	4180053.0	7.0	5.87	84.81	9.10	-27.23	1.37	YES	HROFDY
A0000129	0	0.17108E-07	643999.7	4180091.8	7.2	5.87	84.81	9.10	-27.23	1.37	YES	HROFDY
A0000130	0	0.17108E-07	644075.1	4180130.6	6.9	5.87	84.81	9.10	-27.23	1.37	YES	HROFDY
A0000131	0	0.17108E-07	644150.4	4180169.4	6.8	5.87	68.45	9.10	-25.56	1.37	YES	HROFDY
A0000132	0	0.17108E-07	644212.2	4180198.9	6.9	5.87	68.45	9.10	-25.56	1.37	YES	HROFDY
A0000133	0	0.17108E-07	644273.9	4180228.4	6.4	5.87	68.45	9.10	-25.56	1.37	YES	HROFDY
A0000134	0	0.17108E-07	634066.9	4175087.3	40.4	10.98	83.36	9.10	-26.21	2.55	YES	HROFDY
A0000135	0	0.17108E-07	634141.7	4175124.1	38.8	10.98	83.36	9.10	-26.21	2.55	YES	HROFDY
A0000136	0	0.17108E-07	634216.4	4175161.0	38.8	10.98	83.36	9.10	-26.21	2.55	YES	HROFDY
A0000137	0	0.17108E-07	634291.2	4175197.8	37.4	10.98	83.36	9.10	-26.21	2.55	YES	HROFDY
A0000138	0	0.17108E-07	634366.0	4175234.6	37.3	10.98	83.36	9.10	-26.21	2.55	YES	HROFDY
A0000139	0	0.17108E-07	634440.8	4175271.4	35.8	10.98	83.36	9.10	-26.21	2.55	YES	HROFDY
A0000140	0	0.17108E-07	634515.6	4175308.2	35.8	10.98	83.36	9.10	-26.21	2.55	YES	HROFDY
A0000141	0	0.17108E-07	634590.5	4175345.1	34.3	10.98	84.16	9.10	-27.46	2.55	YES	HROFDY
A0000142	0	0.17108E-07	634665.2	4175383.9	34.3	10.98	84.16	9.10	-27.46	2.55	YES	HROFDY
A0000143	0	0.17108E-07	634739.8	4175422.7	32.7	10.98	84.16	9.10	-27.46	2.55	YES	HROFDY
A0000144	0	0.17108E-07	634814.5	4175461.5	32.3	10.98	84.16	9.10	-27.46	2.55	YES	HROFDY
A0000145	0	0.17108E-07	634889.2	4175500.3	31.7	10.98	84.16	9.10	-27.46	2.55	YES	HROFDY
A0000146	0	0.17108E-07	634963.9	4175539.1	31.0	10.98	84.16	9.10	-27.46	2.55	YES	HROFDY
A0000147	0	0.17108E-07	635038.6	4175577.9	30.2	10.98	84.16	9.10	-27.46	2.55	YES	HROFDY
A0000148	0	0.17108E-07	635113.2	4175616.7	29.6	10.98	84.16	9.10	-27.46	2.55	YES	HROFDY
A0000149	0	0.17108E-07	635187.9	4175655.5	28.9	10.98	84.16	9.10	-27.46	2.55	YES	HROFDY
A0000150	0	0.17108E-07	635262.6	4175694.3	28.3	10.98	84.16	9.10	-27.46	2.55	YES	HROFDY
A0000151	0	0.17108E-07	635337.3	4175733.1	27.6	10.98	84.16	9.10	-27.46	2.55	YES	HROFDY
A0000152	0	0.17108E-07	635411.9	4175771.9	26.7	10.98	85.85	9.10	-25.96	2.55	YES	HROFDY
A0000153	0	0.17108E-07	635489.1	4175809.5	26.0	10.98	85.85	9.10	-25.96	2.55	YES	HROFDY
A0000154	0	0.17108E-07	635566.2	4175847.1	24.6	10.98	85.85	9.10	-25.96	2.55	YES	HROFDY
A0000155	0	0.17108E-07	635643.4	4175884.7	23.7	10.98	85.85	9.10	-25.96	2.55	YES	HROFDY
A0000156	0	0.17108E-07	635720.6	4175922.2	23.0	10.98	85.85	9.10	-25.96	2.55	YES	HROFDY
A0000157	0	0.17108E-07	635797.8	4175959.8	22.5	10.98	85.85	9.10	-25.96	2.55	YES	HROFDY
A0000158	0	0.17108E-07	635875.0	4175997.4	22.4	10.98	85.85	9.10	-25.96	2.55	YES	HROFDY
A0000159	0	0.17108E-07	635952.2	4176035.0	22.2	10.98	85.85	9.10	-25.96	2.55	YES	HROFDY
A0000160	0	0.17108E-07	636029.3	4176072.6	21.9	10.98	85.85	9.10	-25.96	2.55	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000161	0	0.17108E-07	636106.5	4176110.2	21.5	10.98	85.85	9.10	-25.96	2.55	YES	HROFDY
A0000162	0	0.17108E-07	636183.7	4176147.7	21.1	10.98	85.85	9.10	-25.96	2.55	YES	HROFDY
A0000163	0	0.17108E-07	636260.9	4176185.3	21.1	10.98	85.85	9.10	-25.96	2.55	YES	HROFDY
A0000164	0	0.17108E-07	636338.1	4176222.9	21.9	10.98	89.45	9.10	-26.76	2.55	YES	HROFDY
A0000165	0	0.17108E-07	636418.0	4176263.2	20.7	10.98	89.45	9.10	-26.76	2.55	YES	HROFDY
A0000166	0	0.17108E-07	636497.9	4176303.5	20.6	10.98	89.45	9.10	-26.76	2.55	YES	HROFDY
A0000167	0	0.17108E-07	636577.7	4176343.8	20.6	10.98	89.45	9.10	-26.76	2.55	YES	HROFDY
A0000168	0	0.17108E-07	636657.6	4176384.0	20.6	10.98	89.45	9.10	-26.76	2.55	YES	HROFDY
A0000169	0	0.17108E-07	636737.5	4176424.3	20.6	10.98	89.45	9.10	-26.76	2.55	YES	HROFDY
A0000170	0	0.17108E-07	636817.3	4176464.6	20.6	10.98	89.45	9.10	-26.76	2.55	YES	HROFDY
A0000171	0	0.17108E-07	636897.2	4176504.8	20.5	10.98	89.45	9.10	-26.76	2.55	YES	HROFDY
A0000172	0	0.17108E-07	636977.1	4176545.1	20.7	10.98	89.45	9.10	-26.76	2.55	YES	HROFDY
A0000173	0	0.17108E-07	637057.0	4176585.4	20.6	10.98	89.45	9.10	-26.76	2.55	YES	HROFDY
A0000174	0	0.17108E-07	637136.8	4176625.6	21.0	10.98	89.45	9.10	-26.76	2.55	YES	HROFDY
A0000175	0	0.17108E-07	637216.7	4176665.9	20.0	10.98	89.45	9.10	-26.76	2.55	YES	HROFDY
A0000176	0	0.17108E-07	637296.6	4176706.2	20.9	10.98	86.07	9.10	-27.90	2.55	YES	HROFDY
A0000177	0	0.17108E-07	637372.7	4176746.5	21.6	10.98	86.07	9.10	-27.90	2.55	YES	HROFDY
A0000178	0	0.17108E-07	637448.8	4176786.8	21.7	10.98	86.07	9.10	-27.90	2.55	YES	HROFDY
A0000179	0	0.17108E-07	637524.8	4176827.0	21.2	10.98	86.07	9.10	-27.90	2.55	YES	HROFDY
A0000180	0	0.17108E-07	637600.9	4176867.3	21.2	10.98	86.07	9.10	-27.90	2.55	YES	HROFDY
A0000181	0	0.17108E-07	637677.0	4176907.6	21.2	10.98	86.07	9.10	-27.90	2.55	YES	HROFDY
A0000182	0	0.17108E-07	637753.0	4176947.8	21.2	10.98	86.07	9.10	-27.90	2.55	YES	HROFDY
A0000183	0	0.17108E-07	637829.1	4176988.1	21.3	10.98	86.07	9.10	-27.90	2.55	YES	HROFDY
A0000184	0	0.17108E-07	637905.2	4177028.4	21.4	10.98	86.07	9.10	-27.90	2.55	YES	HROFDY
A0000185	0	0.17108E-07	637981.1	4177068.6	21.3	10.98	90.05	9.10	-26.56	2.55	YES	HROFDY
A0000186	0	0.17108E-07	638061.7	4177108.9	21.3	10.98	90.05	9.10	-26.56	2.55	YES	HROFDY
A0000187	0	0.17108E-07	638142.2	4177149.1	21.2	10.98	90.05	9.10	-26.56	2.55	YES	HROFDY
A0000188	0	0.17108E-07	638222.8	4177189.4	21.2	10.98	90.05	9.10	-26.56	2.55	YES	HROFDY
A0000189	0	0.17108E-07	638303.3	4177229.7	20.7	10.98	90.05	9.10	-26.56	2.55	YES	HROFDY
A0000190	0	0.17108E-07	638383.8	4177270.0	20.4	10.98	90.05	9.10	-26.56	2.55	YES	HROFDY
A0000191	0	0.17108E-07	638464.4	4177310.2	20.1	10.98	90.05	9.10	-26.56	2.55	YES	HROFDY
A0000192	0	0.17108E-07	638544.9	4177350.5	19.7	10.98	90.05	9.10	-26.56	2.55	YES	HROFDY
A0000193	0	0.17108E-07	638625.5	4177390.8	19.4	10.98	90.05	9.10	-26.56	2.55	YES	HROFDY
A0000194	0	0.17108E-07	638706.0	4177431.0	19.3	10.98	90.05	9.10	-26.56	2.55	YES	HROFDY
A0000195	0	0.17108E-07	638786.5	4177471.3	19.0	10.98	90.05	9.10	-26.56	2.55	YES	HROFDY
A0000196	0	0.17108E-07	638867.1	4177511.6	18.8	10.98	90.05	9.10	-26.56	2.55	YES	HROFDY
A0000197	0	0.17108E-07	638947.6	4177551.9	18.7	10.98	86.45	9.10	-26.76	2.55	YES	HROFDY
A0000198	0	0.17108E-07	639024.8	4177590.8	18.7	10.98	86.45	9.10	-26.76	2.55	YES	HROFDY
A0000199	0	0.17108E-07	639102.0	4177629.7	18.6	10.98	86.45	9.10	-26.76	2.55	YES	HROFDY
A0000200	0	0.17108E-07	639179.2	4177668.6	18.4	10.98	86.45	9.10	-26.76	2.55	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000201	0	0.17108E-07	639256.4	4177707.6	18.2	10.98	86.45	9.10	-26.76	2.55	YES	HROFDY
A0000202	0	0.17108E-07	639333.5	4177746.5	18.0	10.98	86.45	9.10	-26.76	2.55	YES	HROFDY
A0000203	0	0.17108E-07	639410.7	4177785.4	17.7	10.98	86.45	9.10	-26.76	2.55	YES	HROFDY
A0000204	0	0.17108E-07	639487.9	4177824.3	17.5	10.98	86.45	9.10	-26.76	2.55	YES	HROFDY
A0000205	0	0.17108E-07	639565.1	4177863.3	17.3	10.98	86.45	9.10	-26.76	2.55	YES	HROFDY
A0000206	0	0.17108E-07	639642.3	4177902.2	17.2	10.98	86.45	9.10	-26.76	2.55	YES	HROFDY
A0000207	0	0.17108E-07	639719.5	4177941.1	17.2	10.98	86.45	9.10	-26.76	2.55	YES	HROFDY
A0000208	0	0.17108E-07	639796.6	4177980.1	17.0	10.98	86.45	9.10	-26.76	2.55	YES	HROFDY
A0000209	0	0.17108E-07	639873.8	4178019.0	16.9	10.98	86.70	9.10	-26.39	2.55	YES	HROFDY
A0000210	0	0.17108E-07	639951.5	4178057.5	16.6	10.98	86.70	9.10	-26.39	2.55	YES	HROFDY
A0000211	0	0.17108E-07	640029.1	4178096.1	17.0	10.98	86.70	9.10	-26.39	2.55	YES	HROFDY
A0000212	0	0.17108E-07	640106.8	4178134.6	27.7	10.98	86.70	9.10	-26.39	2.55	YES	HROFDY
A0000213	0	0.17108E-07	640184.5	4178173.1	15.6	10.98	86.70	9.10	-26.39	2.55	YES	HROFDY
A0000214	0	0.17108E-07	640262.1	4178211.7	15.4	10.98	86.70	9.10	-26.39	2.55	YES	HROFDY
A0000215	0	0.17108E-07	640339.8	4178250.2	15.5	10.98	86.70	9.10	-26.39	2.55	YES	HROFDY
A0000216	0	0.17108E-07	640417.4	4178288.8	15.3	10.98	86.70	9.10	-26.39	2.55	YES	HROFDY
A0000217	0	0.17108E-07	640495.1	4178327.3	15.2	10.98	86.70	9.10	-26.39	2.55	YES	HROFDY
A0000218	0	0.17108E-07	640572.8	4178365.9	15.4	10.98	86.70	9.10	-26.39	2.55	YES	HROFDY
A0000219	0	0.17108E-07	640650.4	4178404.4	15.1	10.98	86.70	9.10	-26.39	2.55	YES	HROFDY
A0000220	0	0.17108E-07	640728.1	4178443.0	15.1	10.98	86.70	9.10	-26.39	2.55	YES	HROFDY
A0000221	0	0.17108E-07	640805.8	4178481.5	15.1	10.98	86.70	9.10	-26.39	2.55	YES	HROFDY
A0000222	0	0.17108E-07	640883.4	4178520.0	14.9	10.98	86.70	9.10	-26.39	2.55	YES	HROFDY
A0000223	0	0.17108E-07	640961.1	4178558.6	14.9	10.98	87.64	9.10	-26.70	2.55	YES	HROFDY
A0000224	0	0.17108E-07	641039.4	4178598.0	14.7	10.98	87.64	9.10	-26.70	2.55	YES	HROFDY
A0000225	0	0.17108E-07	641117.7	4178637.3	14.6	10.98	87.64	9.10	-26.70	2.55	YES	HROFDY
A0000226	0	0.17108E-07	641196.0	4178676.7	14.4	10.98	87.64	9.10	-26.70	2.55	YES	HROFDY
A0000227	0	0.17108E-07	641274.3	4178716.1	14.3	10.98	87.64	9.10	-26.70	2.55	YES	HROFDY
A0000228	0	0.17108E-07	641352.6	4178755.5	14.1	10.98	87.64	9.10	-26.70	2.55	YES	HROFDY
A0000229	0	0.17108E-07	641430.9	4178794.8	14.0	10.98	87.64	9.10	-26.70	2.55	YES	HROFDY
A0000230	0	0.17108E-07	641509.2	4178834.2	13.9	10.98	87.64	9.10	-26.70	2.55	YES	HROFDY
A0000231	0	0.17108E-07	641587.5	4178873.6	13.7	10.98	87.64	9.10	-26.70	2.55	YES	HROFDY
A0000232	0	0.17108E-07	641665.8	4178913.0	13.5	10.98	87.64	9.10	-26.70	2.55	YES	HROFDY
A0000233	0	0.17108E-07	641744.1	4178952.3	13.5	10.98	87.64	9.10	-26.70	2.55	YES	HROFDY
A0000234	0	0.17108E-07	641822.4	4178991.7	13.3	10.98	87.64	9.10	-26.70	2.55	YES	HROFDY
A0000235	0	0.17108E-07	641900.7	4179031.1	13.2	10.98	87.64	9.10	-26.70	2.55	YES	HROFDY
A0000236	0	0.17108E-07	641979.0	4179070.5	13.2	10.98	87.64	9.10	-26.70	2.55	YES	HROFDY
A0000237	0	0.17108E-07	642057.3	4179109.8	13.1	10.98	87.64	9.10	-26.70	2.55	YES	HROFDY
A0000238	0	0.17108E-07	642135.7	4179149.2	13.0	10.98	87.64	9.10	-26.70	2.55	YES	HROFDY
A0000239	0	0.17108E-07	642214.0	4179188.6	12.8	10.98	87.64	9.10	-26.70	2.55	YES	HROFDY
A0000240	0	0.17108E-07	642292.3	4179228.0	12.9	10.98	87.64	9.10	-26.70	2.55	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000241	0	0.17108E-07	642370.6	4179267.3	12.7	10.98	88.55	9.10	-26.56	2.55	YES	HROFDY
A0000242	0	0.17108E-07	642449.7	4179306.9	12.4	10.98	88.55	9.10	-26.56	2.55	YES	HROFDY
A0000243	0	0.17108E-07	642528.9	4179346.5	12.1	10.98	88.55	9.10	-26.56	2.55	YES	HROFDY
A0000244	0	0.17108E-07	642608.1	4179386.1	11.7	10.98	88.55	9.10	-26.56	2.55	YES	HROFDY
A0000245	0	0.17108E-07	642687.3	4179425.7	11.3	10.98	88.55	9.10	-26.56	2.55	YES	HROFDY
A0000246	0	0.17108E-07	642766.5	4179465.3	10.7	10.98	88.55	9.10	-26.56	2.55	YES	HROFDY
A0000247	0	0.17108E-07	642845.7	4179504.9	10.6	10.98	88.55	9.10	-26.56	2.55	YES	HROFDY
A0000248	0	0.17108E-07	642924.9	4179544.5	10.4	10.98	88.55	9.10	-26.56	2.55	YES	HROFDY
A0000249	0	0.17108E-07	643004.1	4179584.1	10.1	10.98	88.55	9.10	-26.56	2.55	YES	HROFDY
A0000250	0	0.17108E-07	643083.3	4179623.7	9.8	10.98	88.55	9.10	-26.56	2.55	YES	HROFDY
A0000251	0	0.17108E-07	643162.5	4179663.3	9.3	10.98	88.55	9.10	-26.56	2.55	YES	HROFDY
A0000252	0	0.17108E-07	643241.7	4179702.9	9.3	10.98	88.55	9.10	-26.56	2.55	YES	HROFDY
A0000253	0	0.17108E-07	643321.0	4179742.6	8.8	10.98	84.81	9.10	-27.23	2.55	YES	HROFDY
A0000254	0	0.17108E-07	643396.4	4179781.4	8.4	10.98	84.81	9.10	-27.23	2.55	YES	HROFDY
A0000255	0	0.17108E-07	643471.8	4179820.2	8.5	10.98	84.81	9.10	-27.23	2.55	YES	HROFDY
A0000256	0	0.17108E-07	643547.2	4179859.0	7.6	10.98	84.81	9.10	-27.23	2.55	YES	HROFDY
A0000257	0	0.17108E-07	643622.6	4179897.8	7.6	10.98	84.81	9.10	-27.23	2.55	YES	HROFDY
A0000258	0	0.17108E-07	643698.0	4179936.6	7.3	10.98	84.81	9.10	-27.23	2.55	YES	HROFDY
A0000259	0	0.17108E-07	643773.5	4179975.4	7.2	10.98	84.81	9.10	-27.23	2.55	YES	HROFDY
A0000260	0	0.17108E-07	643848.9	4180014.2	7.3	10.98	84.81	9.10	-27.23	2.55	YES	HROFDY
A0000261	0	0.17108E-07	643924.3	4180053.0	7.0	10.98	84.81	9.10	-27.23	2.55	YES	HROFDY
A0000262	0	0.17108E-07	643999.7	4180091.8	7.2	10.98	84.81	9.10	-27.23	2.55	YES	HROFDY
A0000263	0	0.17108E-07	644075.1	4180130.6	6.9	10.98	84.81	9.10	-27.23	2.55	YES	HROFDY
A0000264	0	0.17108E-07	644150.4	4180169.4	6.8	10.98	68.45	9.10	-25.56	2.55	YES	HROFDY
A0000265	0	0.17108E-07	644212.2	4180198.9	6.9	10.98	68.45	9.10	-25.56	2.55	YES	HROFDY
A0000266	0	0.17108E-07	644273.9	4180228.4	6.4	10.98	68.45	9.10	-25.56	2.55	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	A0000001 , A0000002 , A0000003 , A0000004 , A0000005 , A0000006 , A0000007 , A0000008 ,
	A0000009 , A0000010 , A0000011 , A0000012 , A0000013 , A0000014 , A0000015 , A0000016 ,
	A0000017 , A0000018 , A0000019 , A0000020 , A0000021 , A0000022 , A0000023 , A0000024 ,
	A0000025 , A0000026 , A0000027 , A0000028 , A0000029 , A0000030 , A0000031 , A0000032 ,
	A0000033 , A0000034 , A0000035 , A0000036 , A0000037 , A0000038 , A0000039 , A0000040 ,
	A0000041 , A0000042 , A0000043 , A0000044 , A0000045 , A0000046 , A0000047 , A0000048 ,
	A0000049 , A0000050 , A0000051 , A0000052 , A0000053 , A0000054 , A0000055 , A0000056 ,
	A0000057 , A0000058 , A0000059 , A0000060 , A0000061 , A0000062 , A0000063 , A0000064 ,
	A0000065 , A0000066 , A0000067 , A0000068 , A0000069 , A0000070 , A0000071 , A0000072 ,
	A0000073 , A0000074 , A0000075 , A0000076 , A0000077 , A0000078 , A0000079 , A0000080 ,
	A0000081 , A0000082 , A0000083 , A0000084 , A0000085 , A0000086 , A0000087 , A0000088 ,
	A0000089 , A0000090 , A0000091 , A0000092 , A0000093 , A0000094 , A0000095 , A0000096 ,
	A0000097 , A0000098 , A0000099 , A0000100 , A0000101 , A0000102 , A0000103 , A0000104 ,
	A0000105 , A0000106 , A0000107 , A0000108 , A0000109 , A0000110 , A0000111 , A0000112 ,
	A0000113 , A0000114 , A0000115 , A0000116 , A0000117 , A0000118 , A0000119 , A0000120 ,
	A0000121 , A0000122 , A0000123 , A0000124 , A0000125 , A0000126 , A0000127 , A0000128 ,
	A0000129 , A0000130 , A0000131 , A0000132 , A0000133 , A0000134 , A0000135 , A0000136 ,
	A0000137 , A0000138 , A0000139 , A0000140 , A0000141 , A0000142 , A0000143 , A0000144 ,
	A0000145 , A0000146 , A0000147 , A0000148 , A0000149 , A0000150 , A0000151 , A0000152 ,
	A0000153 , A0000154 , A0000155 , A0000156 , A0000157 , A0000158 , A0000159 , A0000160 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	A0000161 , A0000162 , A0000163 , A0000164 , A0000165 , A0000166 , A0000167 , A0000168 ,
	A0000169 , A0000170 , A0000171 , A0000172 , A0000173 , A0000174 , A0000175 , A0000176 ,
	A0000177 , A0000178 , A0000179 , A0000180 , A0000181 , A0000182 , A0000183 , A0000184 ,
	A0000185 , A0000186 , A0000187 , A0000188 , A0000189 , A0000190 , A0000191 , A0000192 ,
	A0000193 , A0000194 , A0000195 , A0000196 , A0000197 , A0000198 , A0000199 , A0000200 ,
	A0000201 , A0000202 , A0000203 , A0000204 , A0000205 , A0000206 , A0000207 , A0000208 ,
	A0000209 , A0000210 , A0000211 , A0000212 , A0000213 , A0000214 , A0000215 , A0000216 ,
	A0000217 , A0000218 , A0000219 , A0000220 , A0000221 , A0000222 , A0000223 , A0000224 ,
	A0000225 , A0000226 , A0000227 , A0000228 , A0000229 , A0000230 , A0000231 , A0000232 ,
	A0000233 , A0000234 , A0000235 , A0000236 , A0000237 , A0000238 , A0000239 , A0000240 ,
	A0000241 , A0000242 , A0000243 , A0000244 , A0000245 , A0000246 , A0000247 , A0000248 ,
	A0000249 , A0000250 , A0000251 , A0000252 , A0000253 , A0000254 , A0000255 , A0000256 ,
	A0000257 , A0000258 , A0000259 , A0000260 , A0000261 , A0000262 , A0000263 , A0000264 ,
	A0000265 , A0000266 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	4656000.	A0000001 , A0000002 , A0000003 , A0000004 , A0000005 , A0000006 , A0000007 , A0000008 ,
		A0000009 , A0000010 , A0000011 , A0000012 , A0000013 , A0000014 , A0000015 , A0000016 ,
		A0000017 , A0000018 , A0000019 , A0000020 , A0000021 , A0000022 , A0000023 , A0000024 ,
		A0000025 , A0000026 , A0000027 , A0000028 , A0000029 , A0000030 , A0000031 , A0000032 ,
		A0000033 , A0000034 , A0000035 , A0000036 , A0000037 , A0000038 , A0000039 , A0000040 ,
		A0000041 , A0000042 , A0000043 , A0000044 , A0000045 , A0000046 , A0000047 , A0000048 ,
		A0000049 , A0000050 , A0000051 , A0000052 , A0000053 , A0000054 , A0000055 , A0000056 ,
		A0000057 , A0000058 , A0000059 , A0000060 , A0000061 , A0000062 , A0000063 , A0000064 ,
		A0000065 , A0000066 , A0000067 , A0000068 , A0000069 , A0000070 , A0000071 , A0000072 ,
		A0000073 , A0000074 , A0000075 , A0000076 , A0000077 , A0000078 , A0000079 , A0000080 ,
		A0000081 , A0000082 , A0000083 , A0000084 , A0000085 , A0000086 , A0000087 , A0000088 ,
		A0000089 , A0000090 , A0000091 , A0000092 , A0000093 , A0000094 , A0000095 , A0000096 ,
		A0000097 , A0000098 , A0000099 , A0000100 , A0000101 , A0000102 , A0000103 , A0000104 ,
		A0000105 , A0000106 , A0000107 , A0000108 , A0000109 , A0000110 , A0000111 , A0000112 ,
		A0000113 , A0000114 , A0000115 , A0000116 , A0000117 , A0000118 , A0000119 , A0000120 ,
		A0000121 , A0000122 , A0000123 , A0000124 , A0000125 , A0000126 , A0000127 , A0000128 ,
		A0000129 , A0000130 , A0000131 , A0000132 , A0000133 , A0000134 , A0000135 , A0000136 ,
		A0000137 , A0000138 , A0000139 , A0000140 , A0000141 , A0000142 , A0000143 , A0000144 ,
		A0000145 , A0000146 , A0000147 , A0000148 , A0000149 , A0000150 , A0000151 , A0000152 ,
		A0000153 , A0000154 , A0000155 , A0000156 , A0000157 , A0000158 , A0000159 , A0000160 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
		A0000161 , A0000162 , A0000163 , A0000164 , A0000165 , A0000166 , A0000167 , A0000168 ,
		A0000169 , A0000170 , A0000171 , A0000172 , A0000173 , A0000174 , A0000175 , A0000176 ,
		A0000177 , A0000178 , A0000179 , A0000180 , A0000181 , A0000182 , A0000183 , A0000184 ,
		A0000185 , A0000186 , A0000187 , A0000188 , A0000189 , A0000190 , A0000191 , A0000192 ,
		A0000193 , A0000194 , A0000195 , A0000196 , A0000197 , A0000198 , A0000199 , A0000200 ,
		A0000201 , A0000202 , A0000203 , A0000204 , A0000205 , A0000206 , A0000207 , A0000208 ,
		A0000209 , A0000210 , A0000211 , A0000212 , A0000213 , A0000214 , A0000215 , A0000216 ,
		A0000217 , A0000218 , A0000219 , A0000220 , A0000221 , A0000222 , A0000223 , A0000224 ,
		A0000225 , A0000226 , A0000227 , A0000228 , A0000229 , A0000230 , A0000231 , A0000232 ,
		A0000233 , A0000234 , A0000235 , A0000236 , A0000237 , A0000238 , A0000239 , A0000240 ,
		A0000241 , A0000242 , A0000243 , A0000244 , A0000245 , A0000246 , A0000247 , A0000248 ,
		A0000249 , A0000250 , A0000251 , A0000252 , A0000253 , A0000254 , A0000255 , A0000256 ,
		A0000257 , A0000258 , A0000259 , A0000260 , A0000261 , A0000262 , A0000263 , A0000264 ,
		A0000265 , A0000266 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000001 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000002 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000003 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000004 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000005 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000006 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000007 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000008 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000009 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000010 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000011 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000012 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000013 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000014 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000015 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000016 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000017 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000018 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000019 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000020 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000021 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000022 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000023 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000024 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000025 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000026 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000027 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000028 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000029 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000030 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000031 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000032 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000033 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000034 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000035 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000036 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000037 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000038 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000039 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000040 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000041 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000042 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000043 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000044 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000045 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000046 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000047 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000048 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000049 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000050 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000051 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000052 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000053 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000054 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000055 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000056 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000057 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000058 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000059 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000060 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000061 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000062 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000063 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000064 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000065 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000066 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000067 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000068 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000069 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000070 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000071 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000072 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000073 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000074 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000075 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000076 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000077 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000078 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000079 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000080 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000081 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000082 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000083 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000084 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000085 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000086 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000087 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000088 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000089 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000090 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000091 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000092 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000093 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000094 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000095 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000096 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000097 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000098 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000099 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000100 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000101 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000102 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000103 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000104 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000105 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SOURCE ID = A0000106 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = A0000107 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = A0000108 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = A0000109 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = A0000110 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SOURCE ID = A0000111 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = A0000112 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = A0000113 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = A0000114 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = A0000115 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000116 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000117 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000118 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000119 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000120 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000121 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000122 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000123 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000124 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000125 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000126 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000127 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000128 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000129 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000130 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000131 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000132 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000133 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000134 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000135 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000136 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000137 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000138 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000139 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000140 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000141 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000142 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000143 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000144 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000145 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000146 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000147 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000148 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000149 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000150 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000151 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000152 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000153 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000154 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000155 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000156 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000157 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000158 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000159 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000160 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SOURCE ID = A0000161 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = A0000162 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = A0000163 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = A0000164 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = A0000165 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000166 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000167 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000168 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000169 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000170 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SOURCE ID = A0000171 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = A0000172 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = A0000173 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = A0000174 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = A0000175 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000176 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000177 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000178 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000179 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000180 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000181 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000182 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000183 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000184 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000185 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000186 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000187 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000188 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000189 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000190 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000191 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000192 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000193 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000194 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000195 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000196 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000197 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000198 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000199 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000200 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000201 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000202 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000203 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000204 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000205 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000206 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000207 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000208 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000209 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000210 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000211 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000212 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000213 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000214 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000215 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000216 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000217 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000218 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000219 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000220 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000221 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000222 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000223 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000224 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000225 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000226 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000227 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000228 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000229 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000230 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000231 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000232 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000233 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000234 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000235 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000236 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000237 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000238 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000239 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000240 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000241 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000242 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000243 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000244 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000245 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000246 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000247 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000248 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000249 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000250 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000251 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000252 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000253 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000254 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000255 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000256 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000257 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000258 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000259 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000260 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000261 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000262 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000263 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000264 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000265 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000266 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	634866.6,	4175562.7,	30.4,	30.4,	0.0);	(	634911.1,	4175585.4,	30.3,	30.3,	0.0);
(	634955.7,	4175608.1,	29.7,	29.7,	0.0);	(	635000.2,	4175630.8,	29.7,	29.7,	0.0);
(	635044.8,	4175653.5,	29.0,	29.0,	0.0);	(	635089.3,	4175676.2,	29.1,	29.1,	0.0);
(	635133.9,	4175698.9,	28.8,	28.8,	0.0);	(	635178.4,	4175721.6,	28.1,	28.1,	0.0);
(	635223.0,	4175744.3,	28.4,	28.4,	0.0);	(	635267.5,	4175767.0,	28.2,	28.2,	0.0);
(	635312.1,	4175789.7,	27.8,	27.8,	0.0);	(	635356.6,	4175812.4,	27.7,	27.7,	0.0);
(	635401.2,	4175835.1,	25.7,	25.7,	0.0);	(	635445.7,	4175857.8,	25.5,	25.5,	0.0);
(	635490.2,	4175880.5,	24.8,	24.8,	0.0);	(	635534.8,	4175903.2,	24.3,	24.3,	0.0);
(	635579.4,	4175925.9,	23.6,	23.6,	0.0);	(	635623.9,	4175948.6,	23.5,	23.5,	0.0);
(	635668.5,	4175971.3,	22.1,	22.1,	0.0);	(	635713.0,	4175994.0,	21.7,	21.7,	0.0);
(	635757.6,	4176016.7,	21.3,	21.3,	0.0);	(	635802.1,	4176039.4,	21.1,	21.1,	0.0);
(	635846.7,	4176062.1,	21.0,	21.0,	0.0);	(	635891.2,	4176084.8,	21.1,	21.1,	0.0);
(	635935.8,	4176107.5,	21.0,	21.0,	0.0);	(	635980.3,	4176130.2,	20.6,	20.6,	0.0);
(	636024.9,	4176152.9,	20.4,	20.4,	0.0);	(	636069.4,	4176175.6,	20.4,	20.4,	0.0);
(	636114.0,	4176198.3,	20.4,	20.4,	0.0);	(	636158.5,	4176221.0,	20.2,	20.2,	0.0);
(	636203.1,	4176243.7,	20.1,	20.1,	0.0);	(	636247.6,	4176266.4,	20.7,	20.7,	0.0);
(	636292.2,	4176289.1,	20.7,	20.7,	0.0);	(	636336.7,	4176311.8,	20.9,	20.9,	0.0);
(	636381.3,	4176334.5,	20.1,	20.1,	0.0);	(	636425.8,	4176357.2,	20.0,	20.0,	0.0);
(	636470.4,	4176379.9,	19.9,	19.9,	0.0);	(	636514.9,	4176402.6,	19.8,	19.8,	0.0);
(	636559.5,	4176425.3,	19.9,	19.9,	0.0);	(	636604.0,	4176448.0,	19.8,	19.8,	0.0);
(	636648.6,	4176470.7,	19.9,	19.9,	0.0);	(	636693.1,	4176493.4,	19.9,	19.9,	0.0);
(	636737.7,	4176516.1,	19.8,	19.8,	0.0);	(	636782.2,	4176538.8,	19.9,	19.9,	0.0);
(	636826.8,	4176561.5,	20.1,	20.1,	0.0);	(	636871.3,	4176584.2,	20.2,	20.2,	0.0);
(	636915.9,	4176606.9,	20.1,	20.1,	0.0);	(	636960.4,	4176629.6,	19.9,	19.9,	0.0);
(	637005.0,	4176652.3,	19.8,	19.8,	0.0);	(	637049.5,	4176675.0,	19.9,	19.9,	0.0);
(	637094.1,	4176697.7,	19.7,	19.7,	0.0);	(	637138.6,	4176720.4,	21.3,	21.3,	0.0);
(	637183.2,	4176743.1,	20.0,	20.0,	0.0);	(	637227.7,	4176765.8,	20.0,	20.0,	0.0);
(	637272.3,	4176788.5,	20.1,	20.1,	0.0);	(	637316.8,	4176811.2,	20.3,	20.3,	0.0);
(	637361.4,	4176833.9,	20.4,	20.4,	0.0);	(	637405.9,	4176856.6,	20.1,	20.1,	0.0);
(	637450.5,	4176879.3,	20.2,	20.2,	0.0);	(	637495.0,	4176902.0,	20.2,	20.2,	0.0);
(	637539.6,	4176924.7,	20.1,	20.1,	0.0);	(	637584.1,	4176947.4,	20.2,	20.2,	0.0);
(	637628.7,	4176970.1,	20.2,	20.2,	0.0);	(	637673.2,	4176992.8,	20.1,	20.1,	0.0);
(	637717.8,	4177015.5,	20.0,	20.0,	0.0);	(	637762.3,	4177038.2,	20.1,	20.1,	0.0);
(	637806.9,	4177060.9,	19.9,	19.9,	0.0);	(	637851.4,	4177083.6,	20.0,	20.0,	0.0);
(	637896.0,	4177106.3,	19.8,	19.8,	0.0);	(	637940.5,	4177129.0,	20.4,	20.4,	0.0);
(	637985.1,	4177151.7,	20.1,	20.1,	0.0);	(	638029.6,	4177174.4,	20.1,	20.1,	0.0);
(	638074.2,	4177197.1,	20.3,	20.3,	0.0);	(	638118.7,	4177219.8,	20.1,	20.1,	0.0);
(	638163.3,	4177242.5,	20.0,	20.0,	0.0);	(	638207.8,	4177265.2,	20.2,	20.2,	0.0);
(	638252.4,	4177287.9,	20.3,	20.3,	0.0);	(	638296.9,	4177310.6,	20.2,	20.2,	0.0);
(	638341.5,	4177333.3,	19.7,	19.7,	0.0);	(	638386.0,	4177356.0,	19.4,	19.4,	0.0);
(	638430.6,	4177378.7,	19.3,	19.3,	0.0);	(	638475.1,	4177401.4,	18.9,	18.9,	0.0);
(	638519.7,	4177424.1,	18.6,	18.6,	0.0);	(	638564.2,	4177446.8,	18.4,	18.4,	0.0);
(	638608.8,	4177469.5,	18.6,	18.6,	0.0);	(	638653.3,	4177492.2,	18.6,	18.6,	0.0);
(	638697.9,	4177514.9,	18.7,	18.7,	0.0);	(	638742.4,	4177537.6,	18.7,	18.7,	0.0);
(	638787.0,	4177560.3,	18.4,	18.4,	0.0);	(	638831.5,	4177583.0,	17.9,	17.9,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638876.1, 4177605.7,	17.7,	17.7,	0.0);	(638920.6, 4177628.4,	17.8,	17.8,	0.0);
(638965.2, 4177651.1,	17.7,	17.7,	0.0);	(639009.7, 4177673.8,	17.7,	17.7,	0.0);
(639054.3, 4177696.4,	17.2,	17.2,	0.0);	(639098.8, 4177719.1,	17.4,	17.4,	0.0);
(634645.4, 4175655.6,	31.0,	31.0,	0.0);	(634719.0, 4175627.2,	30.9,	30.9,	0.0);
(634811.6, 4175601.1,	30.9,	30.9,	0.0);	(634604.1, 4175717.8,	30.7,	30.7,	0.0);
(634690.0, 4175678.3,	30.5,	30.5,	0.0);	(634734.5, 4175701.0,	30.8,	30.8,	0.0);
(634779.1, 4175723.8,	30.3,	30.3,	0.0);	(634823.6, 4175746.4,	29.9,	29.9,	0.0);
(634868.2, 4175769.1,	28.8,	28.8,	0.0);	(634912.7, 4175791.8,	28.9,	28.9,	0.0);
(634957.3, 4175814.5,	28.8,	28.8,	0.0);	(635001.8, 4175837.2,	27.5,	27.5,	0.0);
(635046.4, 4175859.9,	27.4,	27.4,	0.0);	(635090.9, 4175882.6,	27.1,	27.1,	0.0);
(635135.5, 4175905.3,	26.9,	26.9,	0.0);	(635180.0, 4175928.0,	26.6,	26.6,	0.0);
(635224.6, 4175950.7,	26.1,	26.1,	0.0);	(635269.1, 4175973.4,	26.6,	26.6,	0.0);
(635313.7, 4175996.1,	25.3,	25.3,	0.0);	(635358.2, 4176018.8,	25.0,	25.0,	0.0);
(635402.8, 4176041.5,	24.5,	24.5,	0.0);	(635447.3, 4176064.2,	24.1,	24.1,	0.0);
(635491.9, 4176086.9,	23.3,	23.3,	0.0);	(635536.4, 4176109.6,	23.2,	23.2,	0.0);
(635581.0, 4176132.3,	22.1,	22.1,	0.0);	(635625.5, 4176155.0,	22.0,	22.0,	0.0);
(635670.1, 4176177.7,	21.2,	21.2,	0.0);	(635714.6, 4176200.4,	21.1,	21.1,	0.0);
(635759.2, 4176223.1,	20.9,	20.9,	0.0);	(635803.7, 4176245.8,	20.7,	20.7,	0.0);
(635848.3, 4176268.5,	20.6,	20.6,	0.0);	(635892.8, 4176291.2,	20.3,	20.3,	0.0);
(635937.4, 4176313.9,	20.1,	20.1,	0.0);	(635981.9, 4176336.6,	19.8,	19.8,	0.0);
(636026.5, 4176359.3,	19.7,	19.7,	0.0);	(636071.0, 4176382.0,	19.6,	19.6,	0.0);
(636115.6, 4176404.7,	19.4,	19.4,	0.0);	(636160.1, 4176427.4,	19.3,	19.3,	0.0);
(636204.7, 4176450.1,	19.4,	19.4,	0.0);	(636249.2, 4176472.8,	18.9,	18.9,	0.0);
(636293.8, 4176495.5,	19.1,	19.1,	0.0);	(636338.3, 4176518.2,	18.8,	18.8,	0.0);
(636382.9, 4176540.9,	18.7,	18.7,	0.0);	(636427.4, 4176563.6,	18.4,	18.4,	0.0);
(636472.0, 4176586.3,	18.2,	18.2,	0.0);	(636516.5, 4176609.0,	18.4,	18.4,	0.0);
(636561.1, 4176631.7,	18.6,	18.6,	0.0);	(636605.6, 4176654.4,	19.4,	19.4,	0.0);
(636650.2, 4176677.1,	19.4,	19.4,	0.0);	(636694.7, 4176699.8,	18.7,	18.7,	0.0);
(636739.3, 4176722.5,	19.3,	19.3,	0.0);	(636783.8, 4176745.2,	19.1,	19.1,	0.0);
(636828.4, 4176767.9,	19.1,	19.1,	0.0);	(636872.9, 4176790.6,	18.7,	18.7,	0.0);
(636917.5, 4176813.3,	19.4,	19.4,	0.0);	(636962.0, 4176836.0,	19.2,	19.2,	0.0);
(637006.6, 4176858.7,	18.6,	18.6,	0.0);	(637051.1, 4176881.4,	19.7,	19.7,	0.0);
(637095.7, 4176904.1,	20.0,	20.0,	0.0);	(637140.2, 4176926.8,	20.0,	20.0,	0.0);
(637184.8, 4176949.5,	19.4,	19.4,	0.0);	(637229.3, 4176972.2,	19.7,	19.7,	0.0);
(637273.9, 4176994.9,	20.1,	20.1,	0.0);	(637318.4, 4177017.6,	19.9,	19.9,	0.0);
(637363.0, 4177040.3,	20.0,	20.0,	0.0);	(637407.5, 4177063.0,	18.8,	18.8,	0.0);
(637452.1, 4177085.7,	19.6,	19.6,	0.0);	(637496.6, 4177108.4,	19.6,	19.6,	0.0);
(637541.2, 4177131.1,	19.1,	19.1,	0.0);	(637585.7, 4177153.8,	19.4,	19.4,	0.0);
(637630.3, 4177176.5,	18.8,	18.8,	0.0);	(637674.8, 4177199.2,	19.3,	19.3,	0.0);
(637719.4, 4177221.9,	19.1,	19.1,	0.0);	(637763.9, 4177244.6,	19.3,	19.3,	0.0);
(637808.5, 4177267.3,	19.8,	19.8,	0.0);	(637853.0, 4177290.0,	18.8,	18.8,	0.0);
(637897.6, 4177312.7,	18.8,	18.8,	0.0);	(637942.1, 4177335.4,	18.7,	18.7,	0.0);
(637986.7, 4177358.1,	19.7,	19.7,	0.0);	(638031.2, 4177380.8,	19.5,	19.5,	0.0);
(638075.8, 4177403.5,	19.2,	19.2,	0.0);	(638120.4, 4177426.2,	19.7,	19.7,	0.0);
(638164.9, 4177448.9,	19.6,	19.6,	0.0);	(638209.5, 4177471.6,	19.2,	19.2,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638254.0,	4177494.3,	19.2,	19.2,	0.0);	(638298.6,	4177517.0,	19.0,	19.0,	0.0);
(638343.1,	4177539.7,	19.2,	19.2,	0.0);	(638387.7,	4177562.4,	18.6,	18.6,	0.0);
(638432.2,	4177585.1,	18.7,	18.7,	0.0);	(638476.8,	4177607.8,	18.6,	18.6,	0.0);
(638521.3,	4177630.5,	18.2,	18.2,	0.0);	(638565.9,	4177653.2,	17.8,	17.8,	0.0);
(638610.4,	4177675.9,	17.6,	17.6,	0.0);	(638655.0,	4177698.6,	17.8,	17.8,	0.0);
(638699.5,	4177721.3,	17.3,	17.3,	0.0);	(638744.1,	4177744.0,	17.2,	17.2,	0.0);
(638788.6,	4177766.7,	17.1,	17.1,	0.0);	(638833.2,	4177789.4,	17.0,	17.0,	0.0);
(638877.7,	4177812.1,	16.8,	16.8,	0.0);	(638922.2,	4177834.8,	16.7,	16.7,	0.0);
(638966.8,	4177857.5,	16.5,	16.5,	0.0);	(639011.4,	4177880.2,	16.4,	16.4,	0.0);
(634763.6,	4175649.9,	30.0,	30.0,	0.0);	(634808.1,	4175672.6,	30.6,	30.6,	0.0);
(634852.7,	4175695.3,	29.6,	29.6,	0.0);	(634897.2,	4175718.0,	29.6,	29.6,	0.0);
(634941.8,	4175740.7,	28.6,	28.6,	0.0);	(634986.3,	4175763.4,	28.9,	28.9,	0.0);
(635030.9,	4175786.1,	28.5,	28.5,	0.0);	(635075.4,	4175808.8,	27.8,	27.8,	0.0);
(635120.0,	4175831.5,	27.8,	27.8,	0.0);	(635164.5,	4175854.2,	27.4,	27.4,	0.0);
(635209.1,	4175876.9,	27.1,	27.1,	0.0);	(635253.6,	4175899.6,	27.0,	27.0,	0.0);
(635298.2,	4175922.3,	26.9,	26.9,	0.0);	(635342.7,	4175945.0,	25.2,	25.2,	0.0);
(635387.3,	4175967.7,	25.3,	25.3,	0.0);	(635431.8,	4175990.4,	24.1,	24.1,	0.0);
(635476.4,	4176013.1,	23.6,	23.6,	0.0);	(635520.9,	4176035.8,	23.8,	23.8,	0.0);
(635565.5,	4176058.5,	22.4,	22.4,	0.0);	(635610.0,	4176081.2,	22.4,	22.4,	0.0);
(635654.6,	4176103.9,	21.7,	21.7,	0.0);	(635699.1,	4176126.6,	20.7,	20.7,	0.0);
(635743.7,	4176149.3,	21.2,	21.2,	0.0);	(635788.2,	4176172.0,	20.4,	20.4,	0.0);
(635832.8,	4176194.7,	21.0,	21.0,	0.0);	(635877.3,	4176217.4,	19.9,	19.9,	0.0);
(635921.9,	4176240.1,	20.1,	20.1,	0.0);	(635966.4,	4176262.8,	20.0,	20.0,	0.0);
(636011.0,	4176285.5,	19.9,	19.9,	0.0);	(636055.5,	4176308.2,	19.9,	19.9,	0.0);
(636100.1,	4176330.9,	19.8,	19.8,	0.0);	(636144.6,	4176353.5,	19.8,	19.8,	0.0);
(636189.2,	4176376.2,	19.8,	19.8,	0.0);	(636233.7,	4176398.9,	19.9,	19.9,	0.0);
(636278.3,	4176421.6,	19.8,	19.8,	0.0);	(636322.8,	4176444.3,	19.8,	19.8,	0.0);
(636367.4,	4176467.0,	19.7,	19.7,	0.0);	(636411.9,	4176489.8,	18.9,	18.9,	0.0);
(636456.5,	4176512.4,	19.3,	19.3,	0.0);	(636501.0,	4176535.1,	19.6,	19.6,	0.0);
(636545.6,	4176557.8,	18.7,	18.7,	0.0);	(636590.1,	4176580.5,	19.6,	19.6,	0.0);
(636634.7,	4176603.2,	19.3,	19.3,	0.0);	(636679.2,	4176625.9,	18.8,	18.8,	0.0);
(636723.8,	4176648.6,	19.4,	19.4,	0.0);	(636768.3,	4176671.3,	18.8,	18.8,	0.0);
(636812.9,	4176694.0,	19.4,	19.4,	0.0);	(636857.4,	4176716.8,	18.8,	18.8,	0.0);
(636902.0,	4176739.4,	19.3,	19.3,	0.0);	(636946.5,	4176762.1,	19.4,	19.4,	0.0);
(636991.1,	4176784.8,	19.1,	19.1,	0.0);	(637035.6,	4176807.5,	19.5,	19.5,	0.0);
(637080.2,	4176830.2,	18.4,	19.5,	0.0);	(637124.7,	4176852.9,	19.8,	19.8,	0.0);
(637169.3,	4176875.6,	19.9,	19.9,	0.0);	(637213.8,	4176898.3,	19.7,	19.7,	0.0);
(637258.4,	4176921.0,	20.0,	20.0,	0.0);	(637302.9,	4176943.7,	20.1,	20.1,	0.0);
(637347.5,	4176966.4,	20.4,	20.4,	0.0);	(637392.0,	4176989.1,	19.6,	19.6,	0.0);
(637436.6,	4177011.8,	19.7,	19.7,	0.0);	(637481.1,	4177034.5,	19.7,	19.7,	0.0);
(637525.7,	4177057.2,	19.8,	19.8,	0.0);	(637570.2,	4177079.9,	19.3,	19.3,	0.0);
(637614.8,	4177102.6,	19.2,	19.2,	0.0);	(637659.3,	4177125.3,	19.5,	19.5,	0.0);
(637703.9,	4177148.0,	19.8,	19.8,	0.0);	(637748.4,	4177170.7,	19.4,	19.4,	0.0);
(637793.0,	4177193.4,	19.7,	19.7,	0.0);	(637837.5,	4177216.1,	19.5,	19.5,	0.0);
(637882.1,	4177238.8,	19.2,	19.2,	0.0);	(637926.6,	4177261.5,	19.0,	19.0,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637971.2,	4177284.2,	19.5,	19.5,	0.0);	(638015.7,	4177306.9,	20.0,	20.0,	0.0);
(638060.3,	4177329.6,	19.8,	19.8,	0.0);	(638104.8,	4177352.3,	19.7,	19.7,	0.0);
(638149.4,	4177375.0,	19.9,	19.9,	0.0);	(638193.9,	4177397.7,	19.8,	19.8,	0.0);
(638238.5,	4177420.4,	19.6,	19.6,	0.0);	(638283.0,	4177443.1,	19.1,	19.1,	0.0);
(638327.6,	4177465.8,	19.3,	19.3,	0.0);	(638372.1,	4177488.5,	19.5,	19.5,	0.0);
(638416.7,	4177511.2,	18.8,	18.8,	0.0);	(638461.2,	4177533.9,	18.6,	18.6,	0.0);
(638505.8,	4177556.6,	18.5,	18.5,	0.0);	(638550.3,	4177579.3,	18.3,	18.3,	0.0);
(638594.9,	4177602.0,	18.1,	18.1,	0.0);	(638639.4,	4177624.7,	17.9,	17.9,	0.0);
(638684.0,	4177647.4,	17.8,	17.8,	0.0);	(638728.5,	4177670.1,	17.8,	17.8,	0.0);
(638773.1,	4177692.8,	17.3,	17.3,	0.0);	(638817.6,	4177715.5,	17.2,	17.2,	0.0);
(638862.2,	4177738.2,	17.1,	17.1,	0.0);	(638906.7,	4177760.9,	17.0,	17.0,	0.0);
(638951.3,	4177783.6,	16.9,	16.9,	0.0);	(638995.8,	4177806.3,	16.9,	16.9,	0.0);
(639040.4,	4177829.0,	16.7,	16.7,	0.0);	(639084.9,	4177851.7,	16.7,	16.7,	0.0);
(634856.1,	4175623.8,	29.7,	29.7,	0.0);	(634900.7,	4175646.5,	29.7,	29.7,	0.0);
(634945.2,	4175669.2,	29.1,	29.1,	0.0);	(634989.8,	4175691.9,	29.4,	29.4,	0.0);
(635034.3,	4175714.6,	28.9,	28.9,	0.0);	(635078.9,	4175737.3,	28.6,	28.6,	0.0);
(635123.4,	4175760.0,	28.4,	28.4,	0.0);	(635168.0,	4175782.7,	27.4,	27.4,	0.0);
(635212.5,	4175805.4,	27.9,	27.9,	0.0);	(635257.1,	4175828.1,	27.5,	27.5,	0.0);
(635301.6,	4175850.8,	27.0,	27.0,	0.0);	(635346.2,	4175873.4,	26.5,	26.5,	0.0);
(635390.7,	4175896.1,	25.4,	25.4,	0.0);	(635435.3,	4175918.8,	25.2,	25.2,	0.0);
(635479.8,	4175941.5,	24.5,	24.5,	0.0);	(635524.4,	4175964.2,	23.6,	23.6,	0.0);
(635568.9,	4175986.9,	22.6,	22.6,	0.0);	(635613.5,	4176009.6,	22.8,	22.8,	0.0);
(635658.0,	4176032.3,	22.1,	22.1,	0.0);	(635702.6,	4176055.0,	20.7,	20.7,	0.0);
(635747.1,	4176077.8,	21.1,	21.1,	0.0);	(635791.7,	4176100.4,	20.4,	20.4,	0.0);
(635836.2,	4176123.1,	20.5,	20.5,	0.0);	(635880.8,	4176145.8,	20.1,	20.1,	0.0);
(635925.3,	4176168.5,	20.9,	20.9,	0.0);	(635969.9,	4176191.2,	20.5,	20.5,	0.0);
(636014.4,	4176213.9,	20.4,	20.4,	0.0);	(636059.0,	4176236.6,	20.2,	20.2,	0.0);
(636103.5,	4176259.3,	20.2,	20.2,	0.0);	(636148.1,	4176282.0,	20.0,	20.0,	0.0);
(636192.6,	4176304.8,	19.5,	19.5,	0.0);	(636237.2,	4176327.4,	19.9,	19.9,	0.0);
(636281.7,	4176350.1,	20.1,	20.1,	0.0);	(636326.3,	4176372.8,	20.3,	20.3,	0.0);
(636370.8,	4176395.5,	20.0,	20.0,	0.0);	(636415.4,	4176418.2,	19.8,	19.8,	0.0);
(636459.9,	4176440.9,	19.8,	19.8,	0.0);	(636504.5,	4176463.6,	19.7,	19.7,	0.0);
(636549.0,	4176486.3,	19.5,	19.5,	0.0);	(636593.6,	4176509.0,	19.6,	19.6,	0.0);
(636638.1,	4176531.7,	19.2,	19.2,	0.0);	(636682.7,	4176554.4,	19.7,	19.7,	0.0);
(636727.2,	4176577.1,	19.8,	19.8,	0.0);	(636771.8,	4176599.8,	20.0,	20.0,	0.0);
(636816.3,	4176622.5,	20.0,	20.0,	0.0);	(636860.9,	4176645.2,	20.0,	20.0,	0.0);
(636905.5,	4176667.9,	19.9,	19.9,	0.0);	(636950.0,	4176690.6,	19.8,	19.8,	0.0);
(636994.6,	4176713.3,	19.6,	19.6,	0.0);	(637039.1,	4176736.0,	19.1,	19.1,	0.0);
(637083.7,	4176758.7,	19.8,	19.8,	0.0);	(637128.2,	4176781.4,	18.7,	19.3,	0.0);
(637172.8,	4176804.1,	19.5,	19.5,	0.0);	(637217.3,	4176826.8,	20.0,	20.0,	0.0);
(637261.9,	4176849.5,	20.2,	20.2,	0.0);	(637306.4,	4176872.2,	20.4,	20.4,	0.0);
(637351.0,	4176894.9,	20.5,	20.5,	0.0);	(637395.5,	4176917.6,	20.1,	20.1,	0.0);
(637440.1,	4176940.3,	20.1,	20.1,	0.0);	(637484.6,	4176963.0,	20.2,	20.2,	0.0);
(637529.2,	4176985.7,	19.8,	19.8,	0.0);	(637573.7,	4177008.4,	20.3,	20.3,	0.0);
(637618.2,	4177031.1,	20.3,	20.3,	0.0);	(637662.8,	4177053.8,	20.2,	20.2,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637707.4,	4177076.5,	19.6,	19.6,	0.0);	(637751.9,	4177099.2,	19.9,	19.9,	0.0);
(637796.5,	4177121.9,	19.9,	19.9,	0.0);	(637841.0,	4177144.6,	20.0,	20.0,	0.0);
(637885.6,	4177167.3,	19.7,	19.7,	0.0);	(637930.1,	4177190.0,	19.6,	19.6,	0.0);
(637974.7,	4177212.7,	19.7,	19.7,	0.0);	(638019.2,	4177235.4,	19.8,	19.8,	0.0);
(638063.8,	4177258.1,	20.0,	20.0,	0.0);	(638108.3,	4177280.8,	20.0,	20.0,	0.0);
(638152.9,	4177303.5,	20.0,	20.0,	0.0);	(638197.4,	4177326.2,	19.9,	19.9,	0.0);
(638242.0,	4177348.9,	20.1,	20.1,	0.0);	(638286.5,	4177371.6,	19.8,	19.8,	0.0);
(638331.1,	4177394.3,	19.3,	19.3,	0.0);	(638375.6,	4177417.0,	19.3,	19.3,	0.0);
(638420.2,	4177439.7,	19.1,	19.1,	0.0);	(638464.7,	4177462.4,	18.7,	18.7,	0.0);
(638509.3,	4177485.1,	18.5,	18.5,	0.0);	(638553.8,	4177507.8,	18.7,	18.7,	0.0);
(638598.4,	4177530.5,	18.5,	18.5,	0.0);	(638642.9,	4177553.2,	18.5,	18.5,	0.0);
(638687.5,	4177575.9,	18.5,	18.5,	0.0);	(638732.0,	4177598.6,	18.3,	18.3,	0.0);
(638776.6,	4177621.3,	18.1,	18.1,	0.0);	(638821.1,	4177644.0,	17.4,	17.4,	0.0);
(638865.7,	4177666.7,	17.3,	17.3,	0.0);	(638910.2,	4177689.4,	17.3,	17.3,	0.0);
(638954.8,	4177712.1,	17.3,	17.3,	0.0);	(638999.3,	4177734.8,	17.2,	17.2,	0.0);
(639043.9,	4177757.5,	17.0,	17.0,	0.0);	(639088.4,	4177780.2,	17.3,	17.3,	0.0);
(639133.0,	4177802.9,	17.2,	17.2,	0.0);	(639177.5,	4177825.6,	17.0,	17.0,	0.0);
(634648.6,	4175740.5,	29.8,	29.8,	0.0);	(634693.2,	4175763.2,	30.3,	30.3,	0.0);
(634737.7,	4175785.9,	30.2,	30.2,	0.0);	(634782.3,	4175808.6,	29.4,	29.4,	0.0);
(634826.8,	4175831.3,	29.2,	29.2,	0.0);	(634871.4,	4175854.0,	28.7,	28.7,	0.0);
(634915.9,	4175876.7,	27.9,	27.9,	0.0);	(634960.5,	4175899.4,	27.9,	27.9,	0.0);
(635005.0,	4175922.1,	27.6,	27.6,	0.0);	(635049.6,	4175944.8,	26.9,	26.9,	0.0);
(635094.1,	4175967.5,	26.7,	26.7,	0.0);	(635138.7,	4175990.2,	26.4,	26.4,	0.0);
(635183.2,	4176012.9,	25.9,	25.9,	0.0);	(635227.8,	4176035.6,	25.6,	25.6,	0.0);
(635272.3,	4176058.3,	25.4,	25.4,	0.0);	(635316.9,	4176081.0,	25.1,	25.1,	0.0);
(635361.4,	4176103.7,	24.7,	24.7,	0.0);	(635406.0,	4176126.4,	23.9,	23.9,	0.0);
(635450.5,	4176149.1,	23.2,	23.2,	0.0);	(635495.1,	4176171.8,	22.7,	22.7,	0.0);
(635539.6,	4176194.5,	22.6,	22.6,	0.0);	(635584.2,	4176217.2,	21.4,	21.4,	0.0);
(635628.7,	4176239.9,	21.6,	21.6,	0.0);	(635673.3,	4176262.6,	20.9,	20.9,	0.0);
(635717.8,	4176285.3,	20.9,	20.9,	0.0);	(635762.4,	4176308.0,	20.7,	20.7,	0.0);
(635806.9,	4176330.7,	20.3,	20.3,	0.0);	(635851.5,	4176353.4,	20.0,	20.0,	0.0);
(635896.0,	4176376.1,	19.9,	19.9,	0.0);	(635940.6,	4176398.8,	19.4,	19.4,	0.0);
(635985.1,	4176421.5,	19.8,	19.8,	0.0);	(636029.7,	4176444.2,	19.4,	19.4,	0.0);
(636074.2,	4176466.9,	18.9,	18.9,	0.0);	(636118.8,	4176489.6,	19.1,	19.1,	0.0);
(636163.3,	4176512.3,	19.0,	19.0,	0.0);	(636207.9,	4176535.0,	18.9,	18.9,	0.0);
(636252.4,	4176557.7,	18.2,	18.2,	0.0);	(636297.0,	4176580.4,	18.5,	18.5,	0.0);
(636341.5,	4176603.1,	18.6,	18.6,	0.0);	(636386.1,	4176625.8,	18.6,	18.6,	0.0);
(636430.6,	4176648.5,	18.9,	18.9,	0.0);	(636475.2,	4176671.2,	18.3,	18.3,	0.0);
(636519.7,	4176693.9,	18.4,	18.4,	0.0);	(636564.3,	4176716.6,	18.9,	18.9,	0.0);
(636608.8,	4176739.3,	19.4,	19.4,	0.0);	(636653.4,	4176762.0,	19.0,	19.0,	0.0);
(636697.9,	4176784.7,	18.4,	18.4,	0.0);	(636742.5,	4176807.4,	19.2,	19.2,	0.0);
(636787.0,	4176830.1,	19.0,	19.0,	0.0);	(636831.6,	4176852.8,	18.7,	18.7,	0.0);
(636876.1,	4176875.5,	17.9,	17.9,	0.0);	(636920.7,	4176898.2,	19.9,	19.9,	0.0);
(636965.2,	4176920.9,	20.0,	20.0,	0.0);	(637009.8,	4176943.6,	19.6,	19.6,	0.0);
(637054.3,	4176966.3,	19.8,	19.8,	0.0);	(637098.9,	4176989.0,	19.5,	19.5,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637143.4, 4177011.7,	20.0,	20.0,	0.0);	(637188.0, 4177034.4,	19.1,	19.1,	0.0);
(637232.5, 4177057.1,	19.2,	19.2,	0.0);	(637277.1, 4177079.8,	20.0,	20.0,	0.0);
(637321.6, 4177102.5,	19.7,	19.7,	0.0);	(637366.2, 4177125.2,	19.0,	19.0,	0.0);
(637410.7, 4177147.9,	19.5,	19.5,	0.0);	(637455.3, 4177170.6,	19.9,	19.9,	0.0);
(637499.8, 4177193.3,	19.2,	19.2,	0.0);	(637544.4, 4177216.0,	19.9,	19.9,	0.0);
(637588.9, 4177238.7,	19.1,	19.1,	0.0);	(637633.5, 4177261.4,	19.5,	19.5,	0.0);
(637678.0, 4177284.1,	18.8,	18.8,	0.0);	(637722.6, 4177306.8,	18.5,	18.5,	0.0);
(637767.1, 4177329.5,	18.2,	18.2,	0.0);	(637811.7, 4177352.2,	18.6,	18.6,	0.0);
(637856.2, 4177374.9,	18.6,	18.6,	0.0);	(637900.8, 4177397.5,	18.6,	18.6,	0.0);
(637945.3, 4177420.2,	18.3,	18.3,	0.0);	(637989.9, 4177442.9,	18.9,	18.9,	0.0);
(638034.4, 4177465.6,	19.2,	19.2,	0.0);	(638079.0, 4177488.3,	19.7,	19.7,	0.0);
(638123.5, 4177511.0,	19.6,	19.6,	0.0);	(638168.1, 4177533.8,	19.8,	19.8,	0.0);
(638212.6, 4177556.4,	19.7,	19.7,	0.0);	(638257.2, 4177579.1,	18.4,	18.4,	0.0);
(638301.7, 4177601.8,	18.3,	18.3,	0.0);	(638346.3, 4177624.5,	17.9,	17.9,	0.0);
(638390.8, 4177647.2,	18.3,	18.3,	0.0);	(638435.4, 4177669.9,	18.3,	18.3,	0.0);
(638479.9, 4177692.6,	18.3,	18.3,	0.0);	(638524.5, 4177715.3,	18.2,	18.2,	0.0);
(638569.0, 4177738.0,	18.0,	18.0,	0.0);	(638613.6, 4177760.8,	17.6,	17.6,	0.0);
(638658.1, 4177783.4,	17.5,	17.5,	0.0);	(638702.7, 4177806.1,	17.0,	17.0,	0.0);
(638747.2, 4177828.8,	17.1,	17.1,	0.0);	(638791.8, 4177851.5,	16.9,	16.9,	0.0);
(638836.3, 4177874.2,	16.7,	16.7,	0.0);	(638880.9, 4177896.9,	16.4,	16.4,	0.0);
(638925.4, 4177919.6,	16.3,	16.3,	0.0);	(638970.0, 4177942.3,	16.5,	16.5,	0.0);
(634539.0, 4175502.0,	33.0,	33.0,	0.0);	(634543.0, 4175570.0,	32.4,	32.4,	0.0);
(634366.0, 4175358.0,	35.4,	35.4,	0.0);	(634321.0, 4175434.0,	35.1,	35.1,	0.0);
(634312.0, 4175548.0,	34.2,	34.2,	0.0);	(634240.0, 4174930.0,	39.9,	39.9,	0.0);
(635352.0, 4175656.0,	30.2,	30.2,	0.0);	(636256.0, 4175990.0,	22.5,	22.5,	0.0);
(635960.0, 4175895.0,	22.7,	22.7,	0.0);	(636094.0, 4175941.0,	22.7,	22.7,	0.0);
(636156.0, 4175941.0,	23.0,	23.0,	0.0);	(636122.0, 4175884.0,	23.3,	23.3,	0.0);
(636135.0, 4175840.0,	23.6,	23.6,	0.0);	(636060.0, 4175859.0,	23.1,	23.1,	0.0);
(636019.0, 4175843.0,	23.1,	23.1,	0.0);	(635972.0, 4175831.0,	23.0,	23.0,	0.0);
(635912.0, 4175811.0,	23.1,	23.1,	0.0);	(635936.0, 4175746.0,	23.4,	23.4,	0.0);
(636078.0, 4175789.0,	23.7,	23.7,	0.0);	(636209.0, 4175943.0,	22.7,	22.7,	0.0);
(636377.0, 4176175.0,	21.9,	21.9,	0.0);	(636426.0, 4176153.0,	21.9,	21.9,	0.0);
(636367.0, 4176079.0,	22.4,	22.4,	0.0);	(636442.4, 4176070.5,	22.1,	22.1,	0.0);
(636523.3, 4176066.5,	21.9,	21.9,	0.0);	(636621.6, 4176064.4,	21.6,	21.6,	0.0);
(636720.7, 4176068.7,	21.7,	21.7,	0.0);	(636421.6, 4176197.7,	21.9,	21.9,	0.0);
(636466.1, 4176220.4,	21.4,	21.4,	0.0);	(636510.7, 4176243.1,	21.2,	21.2,	0.0);
(636555.2, 4176265.8,	21.0,	21.0,	0.0);	(636599.8, 4176288.5,	20.9,	20.9,	0.0);
(636644.3, 4176311.2,	20.8,	20.8,	0.0);	(636688.9, 4176333.9,	20.7,	20.7,	0.0);
(636733.4, 4176356.6,	20.8,	20.8,	0.0);	(636778.0, 4176379.3,	21.2,	21.2,	0.0);
(636822.5, 4176402.0,	21.2,	21.2,	0.0);	(636867.1, 4176424.7,	20.9,	20.9,	0.0);
(636911.6, 4176447.4,	20.9,	20.9,	0.0);	(636956.2, 4176470.1,	20.9,	20.9,	0.0);
(637000.7, 4176492.8,	20.8,	20.8,	0.0);	(637045.2, 4176515.5,	20.7,	20.7,	0.0);
(637089.8, 4176538.2,	20.5,	20.5,	0.0);	(637134.4, 4176560.9,	20.9,	20.9,	0.0);
(637178.9, 4176583.6,	21.1,	21.1,	0.0);	(637223.5, 4176606.3,	21.7,	21.7,	0.0);
(637268.0, 4176629.0,	21.5,	21.5,	0.0);	(637312.6, 4176651.7,	21.4,	21.4,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637357.1,	4176674.4,	21.4,	21.4,	0.0);	(637401.7,	4176697.1,	21.6,	21.6,	0.0);
(637446.2,	4176719.8,	21.7,	21.7,	0.0);	(637490.8,	4176742.5,	21.8,	21.8,	0.0);
(637535.3,	4176765.2,	21.8,	21.8,	0.0);	(637579.9,	4176787.9,	21.7,	21.7,	0.0);
(637624.4,	4176810.6,	21.7,	21.7,	0.0);	(637669.0,	4176833.3,	21.6,	21.6,	0.0);
(637713.5,	4176856.0,	21.3,	21.3,	0.0);	(637758.1,	4176878.7,	21.3,	21.3,	0.0);
(637802.6,	4176901.4,	21.4,	21.4,	0.0);	(637847.2,	4176924.1,	21.6,	21.6,	0.0);
(637891.7,	4176946.8,	21.6,	21.6,	0.0);	(636470.6,	4176175.7,	21.0,	21.0,	0.0);
(636515.1,	4176198.4,	21.1,	21.1,	0.0);	(636559.7,	4176221.1,	20.9,	20.9,	0.0);
(636604.2,	4176243.8,	20.6,	20.6,	0.0);	(636648.8,	4176266.5,	20.7,	20.7,	0.0);
(636693.3,	4176289.2,	20.4,	20.4,	0.0);	(636737.9,	4176311.9,	20.5,	20.5,	0.0);
(636782.4,	4176334.6,	21.0,	21.0,	0.0);	(636827.0,	4176357.3,	20.9,	20.9,	0.0);
(636871.5,	4176380.0,	20.7,	20.7,	0.0);	(636916.1,	4176402.7,	20.7,	20.7,	0.0);
(636960.6,	4176425.4,	20.4,	20.4,	0.0);	(637005.2,	4176448.1,	20.7,	20.7,	0.0);
(637049.7,	4176470.8,	20.5,	20.5,	0.0);	(637094.2,	4176493.5,	20.8,	20.8,	0.0);
(637138.8,	4176516.2,	21.4,	21.4,	0.0);	(637183.4,	4176538.9,	21.1,	21.1,	0.0);
(637227.9,	4176561.6,	21.6,	21.6,	0.0);	(637272.5,	4176584.3,	19.4,	21.2,	0.0);
(637317.0,	4176607.0,	21.1,	21.1,	0.0);	(637361.6,	4176629.7,	21.0,	21.0,	0.0);
(637406.1,	4176652.4,	21.1,	21.1,	0.0);	(637450.7,	4176675.1,	21.1,	21.1,	0.0);
(637495.2,	4176697.8,	20.9,	20.9,	0.0);	(637539.8,	4176720.5,	21.1,	21.1,	0.0);
(637584.3,	4176743.2,	21.1,	21.1,	0.0);	(637628.9,	4176765.9,	21.0,	21.0,	0.0);
(637673.4,	4176788.6,	21.7,	21.7,	0.0);	(637718.0,	4176811.3,	21.2,	21.2,	0.0);
(637762.5,	4176834.0,	21.2,	21.2,	0.0);	(637807.1,	4176856.7,	21.3,	21.3,	0.0);
(637851.6,	4176879.4,	21.4,	21.4,	0.0);	(636411.6,	4176101.7,	21.5,	21.5,	0.0);
(636456.1,	4176124.4,	21.8,	21.8,	0.0);	(636500.7,	4176147.1,	21.5,	21.5,	0.0);
(636545.2,	4176169.8,	21.4,	21.4,	0.0);	(636589.8,	4176192.5,	21.5,	21.5,	0.0);
(636634.3,	4176215.2,	20.8,	20.8,	0.0);	(636678.9,	4176237.9,	21.0,	21.0,	0.0);
(636723.4,	4176260.6,	21.2,	21.2,	0.0);	(636768.0,	4176283.3,	21.4,	21.4,	0.0);
(636812.5,	4176306.0,	21.6,	21.6,	0.0);	(636857.1,	4176328.7,	21.8,	21.8,	0.0);
(636901.6,	4176351.4,	21.0,	21.0,	0.0);	(636946.2,	4176374.1,	21.2,	21.2,	0.0);
(636990.7,	4176396.8,	20.9,	20.9,	0.0);	(637035.2,	4176419.5,	21.4,	21.4,	0.0);
(637079.8,	4176442.2,	21.5,	21.5,	0.0);	(637124.4,	4176464.9,	21.0,	21.0,	0.0);
(637168.9,	4176487.6,	21.1,	21.1,	0.0);	(637213.5,	4176510.3,	21.4,	21.4,	0.0);
(637258.0,	4176533.0,	21.5,	21.5,	0.0);	(637302.6,	4176555.7,	19.4,	21.5,	0.0);
(637347.1,	4176578.4,	21.3,	21.3,	0.0);	(637391.7,	4176601.1,	21.7,	21.7,	0.0);
(637436.2,	4176623.8,	21.4,	21.4,	0.0);	(637480.8,	4176646.5,	21.8,	21.8,	0.0);
(637525.3,	4176669.2,	21.8,	21.8,	0.0);	(637569.9,	4176691.9,	21.8,	21.8,	0.0);
(637614.4,	4176714.6,	21.8,	21.8,	0.0);	(637659.0,	4176737.3,	21.2,	21.2,	0.0);
(637703.5,	4176760.0,	21.7,	21.7,	0.0);	(637748.1,	4176782.7,	21.6,	21.6,	0.0);
(637792.6,	4176805.4,	21.9,	21.9,	0.0);	(637837.2,	4176828.1,	21.9,	21.9,	0.0);
(637881.7,	4176850.8,	21.9,	21.9,	0.0);	(636487.0,	4176092.7,	21.4,	21.4,	0.0);
(636531.5,	4176115.4,	21.5,	21.5,	0.0);	(636576.1,	4176138.1,	21.1,	21.1,	0.0);
(636620.6,	4176160.8,	21.3,	21.3,	0.0);	(636665.2,	4176183.5,	21.3,	21.3,	0.0);
(636709.7,	4176206.2,	20.7,	20.7,	0.0);	(636754.3,	4176228.9,	20.9,	20.9,	0.0);
(636798.8,	4176251.6,	21.1,	21.1,	0.0);	(636843.4,	4176274.3,	21.3,	21.3,	0.0);
(636887.9,	4176297.0,	21.8,	21.8,	0.0);	(636932.5,	4176319.7,	20.8,	20.8,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(636977.0, 4176342.4,	21.3,	21.3,	0.0);	(637021.6, 4176365.1,	21.0,	21.0,	0.0);
(637066.1, 4176387.8,	21.0,	21.0,	0.0);	(637110.7, 4176410.5,	21.3,	21.3,	0.0);
(637155.2, 4176433.2,	21.4,	21.4,	0.0);	(637199.8, 4176455.9,	21.6,	21.6,	0.0);
(637244.3, 4176478.6,	21.2,	21.2,	0.0);	(637288.9, 4176501.3,	21.6,	21.6,	0.0);
(637333.4, 4176524.0,	20.5,	20.5,	0.0);	(637378.0, 4176546.7,	21.6,	21.6,	0.0);
(637422.5, 4176569.4,	21.3,	21.3,	0.0);	(637467.1, 4176592.1,	21.9,	21.9,	0.0);
(637511.6, 4176614.8,	21.4,	21.4,	0.0);	(637556.2, 4176637.5,	21.9,	21.9,	0.0);
(637600.7, 4176660.2,	21.2,	21.2,	0.0);	(637645.3, 4176682.9,	21.9,	21.9,	0.0);
(637689.8, 4176705.6,	21.0,	21.0,	0.0);	(637734.4, 4176728.3,	21.3,	21.3,	0.0);
(637778.9, 4176751.0,	21.1,	21.1,	0.0);	(637823.5, 4176773.7,	21.3,	21.3,	0.0);
(637868.0, 4176796.4,	21.4,	21.4,	0.0);	(636567.9, 4176089.2,	21.0,	21.0,	0.0);
(636612.4, 4176111.9,	21.7,	21.7,	0.0);	(636657.0, 4176134.6,	21.1,	21.1,	0.0);
(636701.5, 4176157.3,	21.3,	21.3,	0.0);	(636746.1, 4176180.0,	21.5,	21.5,	0.0);
(636790.6, 4176202.7,	21.6,	21.6,	0.0);	(636835.2, 4176225.4,	21.8,	21.8,	0.0);
(636879.7, 4176248.1,	21.3,	21.3,	0.0);	(636924.2, 4176270.8,	21.6,	21.6,	0.0);
(636968.8, 4176293.5,	21.4,	21.4,	0.0);	(637013.4, 4176316.2,	20.9,	20.9,	0.0);
(637057.9, 4176338.9,	21.8,	21.8,	0.0);	(637102.5, 4176361.6,	21.6,	21.6,	0.0);
(637147.0, 4176384.3,	21.6,	21.6,	0.0);	(637191.6, 4176407.0,	21.4,	21.4,	0.0);
(637236.1, 4176429.7,	21.1,	21.1,	0.0);	(637280.7, 4176452.4,	21.4,	21.4,	0.0);
(637325.2, 4176475.1,	21.1,	21.1,	0.0);	(637369.8, 4176497.8,	20.7,	20.7,	0.0);
(637414.3, 4176520.5,	20.4,	21.1,	0.0);	(637458.9, 4176543.2,	21.5,	21.5,	0.0);
(637503.4, 4176565.9,	21.8,	21.8,	0.0);	(637548.0, 4176588.6,	21.3,	21.3,	0.0);
(637592.5, 4176611.3,	21.7,	21.7,	0.0);	(637637.1, 4176634.0,	21.7,	21.7,	0.0);
(637681.6, 4176656.7,	22.0,	22.0,	0.0);	(637726.2, 4176679.4,	21.5,	21.5,	0.0);
(637770.7, 4176702.1,	21.9,	21.9,	0.0);	(637815.3, 4176724.8,	21.6,	21.6,	0.0);
(637859.8, 4176747.5,	22.1,	22.1,	0.0);	(636666.1, 4176087.1,	22.1,	22.1,	0.0);
(636710.7, 4176109.8,	21.7,	21.7,	0.0);	(636755.2, 4176132.5,	21.7,	21.7,	0.0);
(636799.8, 4176155.2,	21.7,	21.7,	0.0);	(636844.3, 4176177.9,	21.9,	21.9,	0.0);
(636888.9, 4176200.6,	21.6,	21.6,	0.0);	(636933.4, 4176223.3,	21.4,	21.4,	0.0);
(636978.0, 4176246.0,	21.5,	21.5,	0.0);	(637022.5, 4176268.7,	21.6,	21.6,	0.0);
(637067.1, 4176291.4,	21.4,	21.4,	0.0);	(637111.6, 4176314.0,	21.5,	21.5,	0.0);
(637156.2, 4176336.8,	21.5,	21.5,	0.0);	(637200.7, 4176359.4,	21.5,	21.5,	0.0);
(637245.3, 4176382.1,	21.1,	21.1,	0.0);	(637289.8, 4176404.8,	21.5,	21.5,	0.0);
(637334.4, 4176427.5,	21.6,	21.6,	0.0);	(637379.0, 4176450.2,	21.3,	21.3,	0.0);
(637423.5, 4176472.9,	21.2,	21.2,	0.0);	(637468.1, 4176495.6,	21.0,	21.0,	0.0);
(637512.6, 4176518.3,	21.8,	21.8,	0.0);	(637557.2, 4176541.0,	21.3,	21.3,	0.0);
(637601.7, 4176563.8,	21.8,	21.8,	0.0);	(637646.2, 4176586.4,	21.9,	21.9,	0.0);
(637690.8, 4176609.1,	21.5,	21.5,	0.0);	(637735.4, 4176631.8,	21.2,	21.2,	0.0);
(637779.9, 4176654.5,	21.6,	21.6,	0.0);	(637824.5, 4176677.2,	21.8,	21.8,	0.0);
(637869.0, 4176699.9,	21.7,	21.7,	0.0);	(636765.3, 4176091.4,	22.3,	22.3,	0.0);
(636809.8, 4176114.1,	22.0,	22.0,	0.0);	(636854.4, 4176136.8,	21.9,	21.9,	0.0);
(636898.9, 4176159.5,	22.0,	22.0,	0.0);	(636943.5, 4176182.2,	21.8,	21.8,	0.0);
(636988.0, 4176204.9,	21.8,	21.8,	0.0);	(637032.6, 4176227.6,	21.8,	21.8,	0.0);
(637077.1, 4176250.3,	21.4,	21.4,	0.0);	(637121.7, 4176273.0,	21.8,	21.8,	0.0);
(637166.2, 4176295.7,	21.3,	21.3,	0.0);	(637210.8, 4176318.4,	21.8,	21.8,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(637255.3, 4176341.1,	21.1,	21.1,	0.0);	(637299.9, 4176363.8,	21.7,	21.7,	0.0);
(637344.4, 4176386.5,	21.8,	21.8,	0.0);	(637389.0, 4176409.2,	21.3,	21.3,	0.0);
(637433.6, 4176431.9,	21.5,	21.5,	0.0);	(637478.1, 4176454.6,	21.6,	22.9,	0.0);
(637522.7, 4176477.3,	21.6,	21.6,	0.0);	(637567.2, 4176500.0,	21.6,	21.6,	0.0);
(637611.8, 4176522.7,	21.8,	21.8,	0.0);	(637656.3, 4176545.4,	21.7,	21.7,	0.0);
(637700.9, 4176568.1,	22.1,	22.1,	0.0);	(637745.4, 4176590.8,	21.4,	21.4,	0.0);
(637790.0, 4176613.5,	22.2,	22.2,	0.0);	(637834.5, 4176636.2,	22.3,	22.3,	0.0);
(637879.1, 4176658.9,	22.4,	22.4,	0.0);	(638126.0, 4176975.0,	21.8,	21.8,	0.0);
(637965.0, 4176910.0,	21.4,	21.4,	0.0);	(638015.0, 4176910.0,	21.9,	21.9,	0.0);
(637965.0, 4176960.0,	21.6,	21.6,	0.0);	(638015.0, 4176960.0,	21.6,	21.6,	0.0);
(637965.0, 4177010.0,	21.6,	21.6,	0.0);	(638015.0, 4177010.0,	21.5,	21.5,	0.0);
(638173.0, 4176912.0,	21.7,	21.7,	0.0);	(638223.0, 4176912.0,	21.7,	21.7,	0.0);
(638273.0, 4176912.0,	22.2,	22.2,	0.0);	(638323.0, 4176912.0,	21.9,	21.9,	0.0);
(638173.0, 4176962.0,	21.6,	21.6,	0.0);	(638223.0, 4176962.0,	21.6,	21.6,	0.0);
(638273.0, 4176962.0,	21.5,	21.5,	0.0);	(638323.0, 4176962.0,	21.4,	21.4,	0.0);
(638173.0, 4177012.0,	21.6,	21.6,	0.0);	(638223.0, 4177012.0,	21.6,	21.6,	0.0);
(638273.0, 4177012.0,	21.2,	21.2,	0.0);	(638323.0, 4177012.0,	21.1,	21.1,	0.0);
(638173.0, 4177062.0,	21.4,	21.4,	0.0);	(638223.0, 4177062.0,	21.2,	21.2,	0.0);
(638273.0, 4177062.0,	20.9,	20.9,	0.0);	(638323.0, 4177062.0,	20.8,	20.8,	0.0);
(638173.0, 4177112.0,	20.9,	20.9,	0.0);	(638223.0, 4177112.0,	21.1,	21.1,	0.0);
(638273.0, 4177112.0,	21.0,	21.0,	0.0);	(638323.0, 4177112.0,	20.7,	20.7,	0.0);
(638273.0, 4177162.0,	20.7,	20.7,	0.0);	(638323.0, 4177162.0,	20.5,	20.5,	0.0);
(638357.0, 4176916.0,	21.8,	21.8,	0.0);	(638357.0, 4176916.0,	21.8,	21.8,	0.0);
(638407.0, 4176916.0,	21.9,	21.9,	0.0);	(638557.0, 4176916.0,	21.6,	21.6,	0.0);
(638607.0, 4176916.0,	21.9,	21.9,	0.0);	(638707.0, 4176916.0,	21.4,	21.4,	0.0);
(638357.0, 4176966.0,	21.2,	21.2,	0.0);	(638407.0, 4176966.0,	21.3,	21.3,	0.0);
(638557.0, 4176966.0,	21.4,	21.4,	0.0);	(638607.0, 4176966.0,	21.7,	21.7,	0.0);
(638707.0, 4176966.0,	21.2,	21.2,	0.0);	(638357.0, 4177016.0,	21.0,	21.0,	0.0);
(638407.0, 4177016.0,	20.8,	20.8,	0.0);	(638457.0, 4177016.0,	20.9,	20.9,	0.0);
(638507.0, 4177016.0,	21.0,	21.0,	0.0);	(638557.0, 4177016.0,	21.1,	21.1,	0.0);
(638607.0, 4177016.0,	21.3,	21.3,	0.0);	(638707.0, 4177016.0,	20.8,	20.8,	0.0);
(638357.0, 4177066.0,	20.7,	20.7,	0.0);	(638407.0, 4177066.0,	20.6,	20.6,	0.0);
(638457.0, 4177066.0,	20.6,	20.6,	0.0);	(638507.0, 4177066.0,	20.9,	20.9,	0.0);
(638557.0, 4177066.0,	20.9,	20.9,	0.0);	(638607.0, 4177066.0,	20.9,	20.9,	0.0);
(638657.0, 4177066.0,	20.9,	20.9,	0.0);	(638707.0, 4177066.0,	20.6,	20.6,	0.0);
(638757.0, 4177066.0,	20.2,	20.2,	0.0);	(638807.0, 4177066.0,	20.3,	20.3,	0.0);
(638857.0, 4177066.0,	20.3,	20.3,	0.0);	(638907.0, 4177066.0,	20.5,	20.5,	0.0);
(638357.0, 4177116.0,	20.4,	20.4,	0.0);	(638407.0, 4177116.0,	20.4,	20.4,	0.0);
(638457.0, 4177116.0,	20.4,	20.4,	0.0);	(638507.0, 4177116.0,	20.6,	20.6,	0.0);
(638557.0, 4177116.0,	20.7,	20.7,	0.0);	(638607.0, 4177116.0,	20.6,	20.6,	0.0);
(638657.0, 4177116.0,	20.4,	20.4,	0.0);	(638707.0, 4177116.0,	20.1,	20.1,	0.0);
(638757.0, 4177116.0,	20.1,	20.1,	0.0);	(638807.0, 4177116.0,	19.9,	19.9,	0.0);
(638857.0, 4177116.0,	20.1,	20.1,	0.0);	(638907.0, 4177116.0,	20.3,	20.3,	0.0);
(638357.0, 4177166.0,	20.4,	20.4,	0.0);	(638407.0, 4177166.0,	20.2,	20.2,	0.0);
(638457.0, 4177166.0,	20.2,	20.2,	0.0);	(638507.0, 4177166.0,	20.6,	20.6,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(638557.0,	4177166.0,	20.5,	20.5,	0.0);	(638607.0,	4177166.0,	20.5,	20.5,	0.0);
(638657.0,	4177166.0,	20.3,	20.3,	0.0);	(638707.0,	4177166.0,	20.1,	20.1,	0.0);
(638757.0,	4177166.0,	19.9,	19.9,	0.0);	(638807.0,	4177166.0,	19.7,	19.7,	0.0);
(638857.0,	4177166.0,	19.9,	19.9,	0.0);	(638907.0,	4177166.0,	20.0,	20.0,	0.0);
(638357.0,	4177216.0,	20.4,	20.4,	0.0);	(638407.0,	4177216.0,	20.3,	20.3,	0.0);
(638457.0,	4177216.0,	20.1,	20.1,	0.0);	(638507.0,	4177216.0,	20.2,	20.2,	0.0);
(638557.0,	4177216.0,	20.2,	20.2,	0.0);	(638607.0,	4177216.0,	20.4,	20.4,	0.0);
(638657.0,	4177216.0,	20.2,	20.2,	0.0);	(638707.0,	4177216.0,	19.9,	19.9,	0.0);
(638757.0,	4177216.0,	19.8,	19.8,	0.0);	(638807.0,	4177216.0,	19.8,	19.8,	0.0);
(638857.0,	4177216.0,	19.6,	19.6,	0.0);	(638907.0,	4177216.0,	19.7,	19.7,	0.0);
(638457.0,	4177266.0,	20.0,	20.0,	0.0);	(638507.0,	4177266.0,	20.0,	20.0,	0.0);
(638557.0,	4177266.0,	20.2,	20.2,	0.0);	(638607.0,	4177266.0,	20.2,	20.2,	0.0);
(638657.0,	4177266.0,	19.9,	19.9,	0.0);	(638707.0,	4177266.0,	19.6,	19.6,	0.0);
(638757.0,	4177266.0,	19.4,	19.4,	0.0);	(638807.0,	4177266.0,	19.5,	19.5,	0.0);
(638857.0,	4177266.0,	19.5,	19.5,	0.0);	(638557.0,	4177316.0,	19.7,	19.7,	0.0);
(638607.0,	4177316.0,	19.6,	19.6,	0.0);	(638657.0,	4177316.0,	19.5,	19.5,	0.0);
(638707.0,	4177316.0,	19.2,	19.2,	0.0);	(638757.0,	4177316.0,	19.3,	19.3,	0.0);
(638807.0,	4177316.0,	19.2,	19.2,	0.0);	(638857.0,	4177316.0,	19.2,	19.2,	0.0);
(638636.9,	4177340.3,	19.4,	19.4,	0.0);	(638685.2,	4177354.6,	19.2,	19.2,	0.0);
(638756.9,	4177356.4,	19.2,	19.2,	0.0);	(638796.3,	4177355.5,	19.2,	19.2,	0.0);
(638831.2,	4177343.9,	19.3,	19.3,	0.0);	(639133.0,	4177457.0,	19.2,	19.2,	0.0);
(639132.0,	4177413.0,	19.3,	19.3,	0.0);	(639130.0,	4177375.0,	19.3,	19.3,	0.0);
(639128.0,	4177332.0,	19.5,	19.5,	0.0);	(639140.1,	4177300.4,	19.8,	19.8,	0.0);
(639177.6,	4177479.7,	19.0,	19.0,	0.0);	(639222.1,	4177502.4,	18.9,	18.9,	0.0);
(639266.7,	4177525.1,	18.7,	18.7,	0.0);	(639311.2,	4177547.8,	18.5,	18.5,	0.0);
(639355.8,	4177570.5,	18.4,	18.4,	0.0);	(639400.3,	4177593.2,	18.4,	18.4,	0.0);
(639444.9,	4177615.9,	18.4,	18.4,	0.0);	(639176.6,	4177435.7,	18.9,	18.9,	0.0);
(639221.1,	4177458.4,	18.6,	18.6,	0.0);	(639265.7,	4177481.1,	18.7,	18.7,	0.0);
(639310.2,	4177503.8,	18.5,	18.5,	0.0);	(639354.8,	4177526.5,	18.4,	18.4,	0.0);
(639399.3,	4177549.2,	17.7,	17.7,	0.0);	(639443.9,	4177571.9,	18.2,	18.2,	0.0);
(639488.4,	4177594.6,	17.9,	17.9,	0.0);	(639174.6,	4177397.7,	19.2,	19.2,	0.0);
(639219.1,	4177420.4,	18.6,	18.6,	0.0);	(639263.7,	4177443.1,	18.8,	18.8,	0.0);
(639308.2,	4177465.8,	18.7,	18.7,	0.0);	(639352.8,	4177488.5,	18.2,	18.2,	0.0);
(639397.3,	4177511.2,	18.2,	18.2,	0.0);	(639441.9,	4177533.9,	18.3,	18.3,	0.0);
(639486.4,	4177556.6,	18.3,	18.3,	0.0);	(639172.6,	4177354.7,	19.1,	19.1,	0.0);
(639217.1,	4177377.4,	19.1,	19.1,	0.0);	(639261.7,	4177400.1,	19.0,	19.0,	0.0);
(639306.2,	4177422.8,	18.5,	18.5,	0.0);	(639350.8,	4177445.5,	18.0,	18.0,	0.0);
(639395.3,	4177468.2,	18.3,	18.3,	0.0);	(639439.9,	4177490.9,	18.1,	18.1,	0.0);
(639484.4,	4177513.6,	17.6,	17.6,	0.0);	(639184.7,	4177323.1,	19.6,	19.6,	0.0);
(639229.2,	4177345.8,	18.8,	18.8,	0.0);	(639273.8,	4177368.5,	18.7,	18.7,	0.0);
(639318.3,	4177391.2,	19.0,	19.0,	0.0);	(639362.9,	4177413.9,	18.4,	18.4,	0.0);
(639407.4,	4177436.6,	18.4,	18.4,	0.0);	(639452.0,	4177459.3,	18.0,	18.0,	0.0);
(639496.5,	4177482.0,	18.4,	18.4,	0.0);	(643024.0,	4179439.0,	10.0,	10.0,	0.0);
(643141.0,	4179491.0,	9.8,	9.8,	0.0);	(643228.0,	4179455.0,	9.6,	9.6,	0.0);
(643205.0,	4179517.0,	9.6,	9.6,	0.0);	(643271.0,	4179570.0,	9.1,	9.1,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(643279.0,	4179643.0,	8.4,	8.4,	0.0);	(643343.0,	4179679.0,	8.4,	8.4,	0.0);
(643365.0,	4179689.0,	8.1,	8.1,	0.0);	(643324.0,	4179605.0,	8.3,	8.3,	0.0);
(643265.9,	4179527.1,	9.4,	9.4,	0.0);	(643583.0,	4179780.0,	7.1,	7.1,	0.0);
(643231.0,	4179762.0,	8.3,	8.3,	0.0);	(643228.0,	4179817.0,	7.8,	7.8,	0.0);
(643140.0,	4179814.0,	8.2,	8.2,	0.0);	(643354.0,	4179819.0,	7.7,	7.7,	0.0);
(642874.0,	4179802.0,	8.8,	8.8,	0.0);	(643359.0,	4179624.0,	8.2,	8.2,	0.0);
(643386.0,	4179638.0,	8.1,	8.1,	0.0);	(643407.0,	4179598.0,	8.2,	8.2,	0.0);
(643430.0,	4179529.0,	8.9,	8.9,	0.0);	(643426.0,	4179722.0,	8.1,	8.1,	0.0);
(643472.0,	4179745.0,	7.7,	7.7,	0.0);	(643432.0,	4179669.0,	7.9,	7.9,	0.0);
(643484.0,	4179692.0,	7.7,	7.7,	0.0);	(643472.0,	4179637.0,	7.7,	7.7,	0.0);
(642871.0,	4179938.0,	8.4,	8.4,	0.0);	(643366.0,	4180043.0,	8.1,	8.1,	0.0);
(643463.0,	4180039.0,	8.2,	8.2,	0.0);	(643364.0,	4179892.0,	7.4,	7.4,	0.0);
(643026.0,	4179884.0,	8.6,	8.6,	0.0);	(642910.0,	4179882.0,	9.2,	9.2,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

```
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08 Met Version: 16216
Profile file: ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Tracy_MM5_99007\Tracy_04-08
Surface format: FREE
Profile format: FREE
Surface station no.: 99008 Upper air station no.: 66666
Name: UNKNOWN Name: UNKNOWN
Year: 2004 Year: 2004

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
04	01	01	1	01	-27.4	0.258	-9.000	-9.000	-999.	315.	55.9	0.09	0.77	1.00	4.10	151.	14.0	282.0	2.0
04	01	01	1	02	-33.4	0.328	-9.000	-9.000	-999.	450.	93.2	0.11	0.77	1.00	4.60	148.	14.0	282.0	2.0
04	01	01	1	03	-42.0	0.432	-9.000	-9.000	-999.	682.	170.4	0.11	0.77	1.00	5.70	144.	14.0	281.8	2.0
04	01	01	1	04	-40.3	0.482	-9.000	-9.000	-999.	801.	245.0	0.11	0.77	1.00	6.20	143.	14.0	281.6	2.0
04	01	01	1	05	-29.6	0.534	-9.000	-9.000	-999.	935.	454.9	0.11	0.77	1.00	6.70	143.	14.0	281.5	2.0
04	01	01	1	06	-32.0	0.576	-9.000	-9.000	-999.	1049.	529.7	0.11	0.77	1.00	7.20	142.	14.0	281.4	2.0
04	01	01	1	07	-34.4	0.619	-9.000	-9.000	-999.	1166.	609.6	0.11	0.77	1.00	7.70	135.	14.0	281.2	2.0
04	01	01	1	08	-36.6	0.661	-9.000	-9.000	-999.	1287.	697.1	0.11	0.77	0.73	8.20	143.	14.0	281.2	2.0
04	01	01	1	09	7.0	0.717	0.238	0.005	68.	1454.	-4692.4	0.11	0.77	0.39	8.70	137.	14.0	281.5	2.0
04	01	01	1	10	43.3	0.655	0.675	0.005	251.	1280.	-574.5	0.09	0.77	0.27	8.20	151.	14.0	282.1	2.0
04	01	01	1	11	70.4	0.549	0.930	0.005	405.	989.	-207.5	0.09	0.77	0.23	6.70	164.	14.0	283.1	2.0
04	01	01	1	12	90.7	0.480	1.217	0.005	703.	804.	-107.8	0.09	0.77	0.21	5.70	166.	14.0	284.1	2.0
04	01	01	1	13	92.9	0.395	1.327	0.005	891.	602.	-58.8	0.08	0.77	0.21	4.60	183.	14.0	284.9	2.0
04	01	01	1	14	81.1	0.321	1.332	0.005	1031.	440.	-36.0	0.08	0.77	0.22	3.60	189.	14.0	285.2	2.0
04	01	01	1	15	47.5	0.160	1.139	0.005	1104.	174.	-7.6	0.08	0.77	0.26	1.50	192.	14.0	284.5	2.0
04	01	01	1	16	19.1	0.076	0.847	0.005	1130.	56.	-2.0	0.12	0.77	0.34	0.50	54.	14.0	283.5	2.0
04	01	01	1	17	-2.6	0.061	-9.000	-9.000	-999.	36.	7.7	0.10	0.77	0.59	1.50	341.	14.0	283.1	2.0
04	01	01	1	18	-3.0	0.061	-9.000	-9.000	-999.	37.	6.9	0.11	0.77	1.00	1.50	307.	14.0	282.2	2.0
04	01	01	1	19	-9.1	0.106	-9.000	-9.000	-999.	83.	11.5	0.10	0.77	1.00	2.60	284.	14.0	281.2	2.0
04	01	01	1	20	-22.1	0.207	-9.000	-9.000	-999.	226.	35.6	0.10	0.77	1.00	3.60	267.	14.0	280.4	2.0
04	01	01	1	21	-28.4	0.265	-9.000	-9.000	-999.	327.	58.1	0.10	0.77	1.00	4.10	260.	14.0	279.8	2.0
04	01	01	1	22	-33.8	0.315	-9.000	-9.000	-999.	424.	82.1	0.10	0.77	1.00	4.60	262.	14.0	279.4	2.0
04	01	01	1	23	-33.9	0.315	-9.000	-9.000	-999.	424.	82.0	0.10	0.77	1.00	4.60	250.	14.0	279.2	2.0
04	01	01	1	24	-28.5	0.264	-9.000	-9.000	-999.	327.	57.9	0.10	0.77	1.00	4.10	240.	14.0	279.0	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
04	01	01	01	14.0	1	151.	4.10	282.1	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
634866.55	4175562.70	0.00074	634911.10	4175585.40	0.00075
634955.65	4175608.10	0.00075	635000.20	4175630.80	0.00077
635044.75	4175653.50	0.00077	635089.30	4175676.20	0.00078
635133.85	4175698.90	0.00079	635178.40	4175721.60	0.00079
635222.95	4175744.30	0.00081	635267.50	4175767.00	0.00082
635312.05	4175789.69	0.00082	635356.60	4175812.39	0.00083
635401.15	4175835.09	0.00080	635445.70	4175857.79	0.00080
635490.25	4175880.49	0.00080	635534.81	4175903.19	0.00080
635579.36	4175925.89	0.00080	635623.91	4175948.59	0.00079
635668.46	4175971.29	0.00078	635713.01	4175993.99	0.00077
635757.56	4176016.69	0.00077	635802.11	4176039.39	0.00077
635846.66	4176062.09	0.00076	635891.21	4176084.79	0.00077
635935.76	4176107.49	0.00076	635980.31	4176130.19	0.00076
636024.86	4176152.89	0.00076	636069.41	4176175.59	0.00075
636113.96	4176198.29	0.00076	636158.51	4176220.99	0.00075
636203.06	4176243.69	0.00075	636247.61	4176266.38	0.00076
636292.16	4176289.08	0.00075	636336.71	4176311.78	0.00076
636381.26	4176334.48	0.00074	636425.81	4176357.18	0.00075
636470.36	4176379.88	0.00074	636514.91	4176402.58	0.00074
636559.46	4176425.28	0.00074	636604.01	4176447.98	0.00074
636648.56	4176470.68	0.00074	636693.11	4176493.38	0.00074
636737.66	4176516.08	0.00074	636782.21	4176538.78	0.00074
636826.76	4176561.48	0.00075	636871.32	4176584.18	0.00075
636915.87	4176606.88	0.00075	636960.42	4176629.58	0.00074
637004.97	4176652.28	0.00074	637049.52	4176674.98	0.00074
637094.07	4176697.68	0.00073	637138.62	4176720.38	0.00075
637183.17	4176743.07	0.00074	637227.72	4176765.77	0.00075
637272.27	4176788.47	0.00074	637316.82	4176811.17	0.00075
637361.37	4176833.87	0.00075	637405.92	4176856.57	0.00074
637450.47	4176879.27	0.00075	637495.02	4176901.97	0.00075
637539.57	4176924.67	0.00076	637584.12	4176947.37	0.00076
637628.67	4176970.07	0.00076	637673.22	4176992.77	0.00077
637717.77	4177015.47	0.00077	637762.32	4177038.17	0.00078
637806.87	4177060.87	0.00077	637851.42	4177083.57	0.00078
637895.97	4177106.27	0.00078	637940.52	4177128.97	0.00079
637985.07	4177151.67	0.00079	638029.62	4177174.37	0.00079
638074.17	4177197.07	0.00080	638118.72	4177219.76	0.00079
638163.27	4177242.46	0.00079	638207.82	4177265.16	0.00079
638252.38	4177287.86	0.00079	638296.93	4177310.56	0.00079
638341.48	4177333.26	0.00078	638386.03	4177355.96	0.00078

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
638430.58	4177378.66	0.00078	638475.13	4177401.36	0.00078
638519.68	4177424.06	0.00077	638564.23	4177446.76	0.00077
638608.78	4177469.46	0.00077	638653.33	4177492.16	0.00078
638697.88	4177514.86	0.00078	638742.43	4177537.56	0.00077
638786.98	4177560.26	0.00077	638831.53	4177582.96	0.00076
638876.08	4177605.66	0.00076	638920.63	4177628.36	0.00076
638965.18	4177651.06	0.00076	639009.73	4177673.76	0.00076
639054.28	4177696.45	0.00075	639098.83	4177719.15	0.00076
634645.42	4175655.65	0.00030	634719.01	4175627.17	0.00037
634811.58	4175601.06	0.00050	634604.06	4175717.79	0.00025
634689.97	4175678.35	0.00030	634734.52	4175701.05	0.00031
634779.07	4175723.75	0.00031	634823.62	4175746.45	0.00032
634868.17	4175769.15	0.00032	634912.72	4175791.85	0.00032
634957.27	4175814.55	0.00033	635001.82	4175837.25	0.00032
635046.37	4175859.95	0.00033	635090.92	4175882.65	0.00033
635135.47	4175905.34	0.00033	635180.02	4175928.04	0.00034
635224.57	4175950.74	0.00034	635269.12	4175973.44	0.00034
635313.67	4175996.14	0.00034	635358.23	4176018.84	0.00034
635402.78	4176041.54	0.00034	635447.33	4176064.24	0.00034
635491.88	4176086.94	0.00034	635536.43	4176109.64	0.00035
635580.98	4176132.34	0.00034	635625.53	4176155.04	0.00035
635670.08	4176177.74	0.00035	635714.63	4176200.44	0.00035
635759.18	4176223.14	0.00035	635803.73	4176245.84	0.00035
635848.28	4176268.54	0.00035	635892.83	4176291.24	0.00035
635937.38	4176313.94	0.00035	635981.93	4176336.64	0.00035
636026.48	4176359.34	0.00035	636071.03	4176382.03	0.00035
636115.58	4176404.73	0.00035	636160.13	4176427.43	0.00035
636204.68	4176450.13	0.00035	636249.23	4176472.83	0.00035
636293.78	4176495.53	0.00035	636338.33	4176518.23	0.00035
636382.88	4176540.93	0.00035	636427.43	4176563.63	0.00035
636471.98	4176586.33	0.00035	636516.53	4176609.03	0.00035
636561.08	4176631.73	0.00035	636605.63	4176654.43	0.00036
636650.18	4176677.13	0.00036	636694.74	4176699.83	0.00036
636739.29	4176722.53	0.00036	636783.84	4176745.23	0.00036
636828.39	4176767.93	0.00036	636872.94	4176790.63	0.00036
636917.49	4176813.33	0.00036	636962.04	4176836.03	0.00036
637006.59	4176858.72	0.00036	637051.14	4176881.42	0.00036
637095.69	4176904.12	0.00036	637140.24	4176926.82	0.00036
637184.79	4176949.52	0.00036	637229.34	4176972.22	0.00036
637273.89	4176994.92	0.00037	637318.44	4177017.62	0.00036

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
637362.99	4177040.32	0.00037	637407.54	4177063.02	0.00036
637452.09	4177085.72	0.00037	637496.64	4177108.42	0.00037
637541.19	4177131.12	0.00036	637585.74	4177153.82	0.00037
637630.29	4177176.52	0.00036	637674.84	4177199.22	0.00037
637719.39	4177221.92	0.00037	637763.94	4177244.62	0.00037
637808.49	4177267.32	0.00037	637853.04	4177290.02	0.00037
637897.59	4177312.72	0.00037	637942.14	4177335.41	0.00037
637986.69	4177358.11	0.00037	638031.24	4177380.81	0.00037
638075.80	4177403.51	0.00037	638120.35	4177426.21	0.00038
638164.90	4177448.91	0.00038	638209.45	4177471.61	0.00037
638254.00	4177494.31	0.00037	638298.55	4177517.01	0.00037
638343.10	4177539.71	0.00038	638387.65	4177562.41	0.00037
638432.20	4177585.11	0.00037	638476.75	4177607.81	0.00038
638521.30	4177630.51	0.00037	638565.85	4177653.21	0.00037
638610.40	4177675.91	0.00037	638654.95	4177698.61	0.00037
638699.50	4177721.31	0.00037	638744.05	4177744.01	0.00037
638788.60	4177766.71	0.00037	638833.15	4177789.41	0.00037
638877.70	4177812.10	0.00037	638922.25	4177834.80	0.00037
638966.80	4177857.50	0.00037	639011.35	4177880.20	0.00037
634763.56	4175649.87	0.00037	634808.11	4175672.57	0.00038
634852.66	4175695.27	0.00038	634897.21	4175717.97	0.00039
634941.76	4175740.67	0.00039	634986.31	4175763.37	0.00039
635030.86	4175786.07	0.00040	635075.41	4175808.77	0.00040
635119.96	4175831.47	0.00040	635164.51	4175854.17	0.00041
635209.06	4175876.86	0.00041	635253.61	4175899.56	0.00041
635298.16	4175922.26	0.00042	635342.71	4175944.96	0.00041
635387.26	4175967.66	0.00041	635431.82	4175990.36	0.00041
635476.37	4176013.06	0.00041	635520.92	4176035.76	0.00042
635565.47	4176058.46	0.00041	635610.02	4176081.16	0.00042
635654.57	4176103.86	0.00041	635699.12	4176126.56	0.00041
635743.67	4176149.26	0.00042	635788.22	4176171.96	0.00041
635832.77	4176194.66	0.00042	635877.32	4176217.36	0.00041
635921.87	4176240.06	0.00041	635966.42	4176262.76	0.00042
636010.97	4176285.46	0.00042	636055.52	4176308.16	0.00042
636100.07	4176330.86	0.00042	636144.62	4176353.55	0.00042
636189.17	4176376.25	0.00042	636233.72	4176398.95	0.00042
636278.27	4176421.65	0.00042	636322.82	4176444.35	0.00042
636367.37	4176467.05	0.00042	636411.92	4176489.75	0.00042
636456.47	4176512.45	0.00042	636501.02	4176535.15	0.00042
636545.57	4176557.85	0.00042	636590.12	4176580.55	0.00042

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
636634.67	4176603.25	0.00042	636679.22	4176625.95	0.00042
636723.77	4176648.65	0.00042	636768.33	4176671.35	0.00042
636812.88	4176694.05	0.00042	636857.43	4176716.75	0.00042
636901.98	4176739.45	0.00042	636946.53	4176762.15	0.00043
636991.08	4176784.85	0.00042	637035.63	4176807.55	0.00043
637080.18	4176830.24	0.00042	637124.73	4176852.94	0.00043
637169.28	4176875.64	0.00043	637213.83	4176898.34	0.00043
637258.38	4176921.04	0.00043	637302.93	4176943.74	0.00043
637347.48	4176966.44	0.00043	637392.03	4176989.14	0.00043
637436.58	4177011.84	0.00043	637481.13	4177034.54	0.00043
637525.68	4177057.24	0.00043	637570.23	4177079.94	0.00043
637614.78	4177102.64	0.00043	637659.33	4177125.34	0.00044
637703.88	4177148.04	0.00044	637748.43	4177170.74	0.00044
637792.98	4177193.44	0.00044	637837.53	4177216.14	0.00044
637882.08	4177238.84	0.00044	637926.63	4177261.54	0.00044
637971.18	4177284.24	0.00044	638015.73	4177306.93	0.00045
638060.28	4177329.63	0.00044	638104.83	4177352.33	0.00044
638149.39	4177375.03	0.00045	638193.94	4177397.73	0.00045
638238.49	4177420.43	0.00044	638283.04	4177443.13	0.00044
638327.59	4177465.83	0.00044	638372.14	4177488.53	0.00045
638416.69	4177511.23	0.00044	638461.24	4177533.93	0.00044
638505.79	4177556.63	0.00044	638550.34	4177579.33	0.00044
638594.89	4177602.03	0.00044	638639.44	4177624.73	0.00044
638683.99	4177647.43	0.00044	638728.54	4177670.13	0.00044
638773.09	4177692.83	0.00044	638817.64	4177715.53	0.00044
638862.19	4177738.23	0.00044	638906.74	4177760.93	0.00044
638951.29	4177783.62	0.00044	638995.84	4177806.32	0.00044
639040.39	4177829.02	0.00044	639084.94	4177851.72	0.00044
634856.13	4175623.76	0.00050	634900.68	4175646.46	0.00051
634945.23	4175669.16	0.00051	634989.78	4175691.86	0.00052
635034.33	4175714.56	0.00052	635078.88	4175737.26	0.00053
635123.43	4175759.96	0.00053	635167.98	4175782.66	0.00053
635212.53	4175805.36	0.00054	635257.08	4175828.06	0.00055
635301.63	4175850.75	0.00055	635346.18	4175873.45	0.00055
635390.73	4175896.15	0.00054	635435.28	4175918.85	0.00055
635479.83	4175941.55	0.00054	635524.39	4175964.25	0.00054
635568.94	4175986.95	0.00054	635613.49	4176009.65	0.00054
635658.04	4176032.35	0.00054	635702.59	4176055.05	0.00053
635747.14	4176077.75	0.00054	635791.69	4176100.45	0.00053
635836.24	4176123.15	0.00054	635880.79	4176145.85	0.00053

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
635925.34	4176168.55	0.00054	635969.89	4176191.25	0.00054
636014.44	4176213.95	0.00054	636058.99	4176236.65	0.00054
636103.54	4176259.35	0.00054	636148.09	4176282.05	0.00054
636192.64	4176304.75	0.00053	636237.19	4176327.44	0.00054
636281.74	4176350.14	0.00054	636326.29	4176372.84	0.00054
636370.84	4176395.54	0.00054	636415.39	4176418.24	0.00054
636459.94	4176440.94	0.00054	636504.49	4176463.64	0.00054
636549.04	4176486.34	0.00054	636593.59	4176509.04	0.00054
636638.14	4176531.74	0.00054	636682.69	4176554.44	0.00054
636727.24	4176577.14	0.00054	636771.79	4176599.84	0.00054
636816.34	4176622.54	0.00055	636860.90	4176645.24	0.00055
636905.45	4176667.94	0.00054	636950.00	4176690.64	0.00054
636994.55	4176713.34	0.00054	637039.10	4176736.04	0.00054
637083.65	4176758.74	0.00054	637128.20	4176781.44	0.00053
637172.75	4176804.13	0.00054	637217.30	4176826.83	0.00055
637261.85	4176849.53	0.00055	637306.40	4176872.23	0.00055
637350.95	4176894.93	0.00055	637395.50	4176917.63	0.00055
637440.05	4176940.33	0.00055	637484.60	4176963.03	0.00055
637529.15	4176985.73	0.00055	637573.70	4177008.43	0.00056
637618.25	4177031.13	0.00056	637662.80	4177053.83	0.00056
637707.35	4177076.53	0.00055	637751.90	4177099.23	0.00056
637796.45	4177121.93	0.00056	637841.00	4177144.63	0.00056
637885.55	4177167.33	0.00056	637930.10	4177190.03	0.00056
637974.65	4177212.73	0.00056	638019.20	4177235.43	0.00057
638063.75	4177258.13	0.00057	638108.30	4177280.82	0.00057
638152.85	4177303.52	0.00057	638197.40	4177326.22	0.00057
638241.96	4177348.92	0.00057	638286.51	4177371.62	0.00057
638331.06	4177394.32	0.00056	638375.61	4177417.02	0.00056
638420.16	4177439.72	0.00056	638464.71	4177462.42	0.00056
638509.26	4177485.12	0.00056	638553.81	4177507.82	0.00056
638598.36	4177530.52	0.00056	638642.91	4177553.22	0.00056
638687.46	4177575.92	0.00056	638732.01	4177598.62	0.00056
638776.56	4177621.32	0.00056	638821.11	4177644.02	0.00055
638865.66	4177666.72	0.00055	638910.21	4177689.42	0.00055
638954.76	4177712.12	0.00055	638999.31	4177734.82	0.00055
639043.86	4177757.51	0.00055	639088.41	4177780.21	0.00056
639132.96	4177802.91	0.00055	639177.51	4177825.61	0.00055
634648.61	4175740.49	0.00025	634693.16	4175763.19	0.00025
634737.71	4175785.89	0.00026	634782.26	4175808.59	0.00026
634826.81	4175831.29	0.00026	634871.36	4175853.99	0.00026

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
634915.91	4175876.69	0.00026	634960.46	4175899.39	0.00027
635005.01	4175922.09	0.00027	635049.56	4175944.79	0.00027
635094.11	4175967.48	0.00027	635138.66	4175990.18	0.00028
635183.21	4176012.88	0.00028	635227.76	4176035.58	0.00028
635272.31	4176058.28	0.00028	635316.87	4176080.98	0.00028
635361.42	4176103.68	0.00028	635405.97	4176126.38	0.00028
635450.52	4176149.08	0.00028	635495.07	4176171.78	0.00029
635539.62	4176194.48	0.00029	635584.17	4176217.18	0.00029
635628.72	4176239.88	0.00029	635673.27	4176262.58	0.00029
635717.82	4176285.28	0.00029	635762.37	4176307.98	0.00029
635806.92	4176330.68	0.00029	635851.47	4176353.38	0.00029
635896.02	4176376.08	0.00029	635940.57	4176398.78	0.00029
635985.12	4176421.48	0.00029	636029.67	4176444.17	0.00029
636074.22	4176466.87	0.00029	636118.77	4176489.57	0.00029
636163.32	4176512.27	0.00029	636207.87	4176534.97	0.00029
636252.42	4176557.67	0.00029	636296.97	4176580.37	0.00029
636341.52	4176603.07	0.00029	636386.07	4176625.77	0.00029
636430.62	4176648.47	0.00030	636475.17	4176671.17	0.00030
636519.72	4176693.87	0.00030	636564.27	4176716.57	0.00030
636608.82	4176739.27	0.00030	636653.38	4176761.97	0.00030
636697.93	4176784.67	0.00030	636742.48	4176807.37	0.00030
636787.03	4176830.07	0.00030	636831.58	4176852.77	0.00030
636876.13	4176875.47	0.00030	636920.68	4176898.17	0.00031
636965.23	4176920.86	0.00031	637009.78	4176943.56	0.00030
637054.33	4176966.26	0.00031	637098.88	4176988.96	0.00030
637143.43	4177011.66	0.00031	637187.98	4177034.36	0.00030
637232.53	4177057.06	0.00030	637277.08	4177079.76	0.00031
637321.63	4177102.46	0.00031	637366.18	4177125.16	0.00031
637410.73	4177147.86	0.00031	637455.28	4177170.56	0.00031
637499.83	4177193.26	0.00031	637544.38	4177215.96	0.00031
637588.93	4177238.66	0.00031	637633.48	4177261.36	0.00031
637678.03	4177284.06	0.00031	637722.58	4177306.76	0.00031
637767.13	4177329.46	0.00031	637811.68	4177352.16	0.00031
637856.23	4177374.86	0.00031	637900.78	4177397.55	0.00031
637945.33	4177420.25	0.00031	637989.88	4177442.95	0.00031
638034.44	4177465.65	0.00031	638078.99	4177488.35	0.00032
638123.54	4177511.05	0.00032	638168.09	4177533.75	0.00032
638212.64	4177556.45	0.00032	638257.19	4177579.15	0.00031
638301.74	4177601.85	0.00031	638346.29	4177624.55	0.00031
638390.84	4177647.25	0.00031	638435.39	4177669.95	0.00031

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
638479.94	4177692.65	0.00032	638524.49	4177715.35	0.00032
638569.04	4177738.05	0.00032	638613.59	4177760.75	0.00031
638658.14	4177783.45	0.00031	638702.69	4177806.15	0.00031
638747.24	4177828.85	0.00031	638791.79	4177851.55	0.00031
638836.34	4177874.24	0.00031	638880.89	4177896.94	0.00031
638925.44	4177919.64	0.00031	638969.99	4177942.34	0.00031
634539.00	4175502.00	0.00040	634543.00	4175570.00	0.00032
634366.00	4175358.00	0.00048	634321.00	4175434.00	0.00032
634312.00	4175548.00	0.00023	634240.00	4174930.00	0.00028
635352.00	4175656.00	0.00168	636256.00	4175990.00	0.00101
635960.00	4175895.00	0.00124	636094.00	4175941.00	0.00114
636156.00	4175941.00	0.00101	636122.00	4175884.00	0.00087
636135.00	4175840.00	0.00074	636060.00	4175859.00	0.00088
636019.00	4175843.00	0.00089	635972.00	4175831.00	0.00092
635912.00	4175811.00	0.00095	635936.00	4175746.00	0.00074
636078.00	4175789.00	0.00069	636209.00	4175943.00	0.00093
636377.00	4176175.00	0.00198	636426.00	4176153.00	0.00148
636367.00	4176079.00	0.00117	636442.41	4176070.54	0.00098
636523.30	4176066.50	0.00085	636621.59	4176064.36	0.00074
636720.74	4176068.73	0.00066	636421.55	4176197.70	0.00199
636466.10	4176220.40	0.00199	636510.65	4176243.10	0.00200
636555.20	4176265.80	0.00201	636599.75	4176288.50	0.00201
636644.30	4176311.20	0.00203	636688.85	4176333.90	0.00202
636733.40	4176356.60	0.00204	636777.95	4176379.30	0.00202
636822.50	4176402.00	0.00204	636867.05	4176424.69	0.00204
636911.60	4176447.39	0.00205	636956.15	4176470.09	0.00206
637000.70	4176492.79	0.00205	637045.25	4176515.49	0.00207
637089.81	4176538.19	0.00205	637134.36	4176560.89	0.00208
637178.91	4176583.59	0.00206	637223.46	4176606.29	0.00204
637268.01	4176628.99	0.00206	637312.56	4176651.69	0.00205
637357.11	4176674.39	0.00206	637401.66	4176697.09	0.00204
637446.21	4176719.79	0.00204	637490.76	4176742.49	0.00202
637535.31	4176765.19	0.00201	637579.86	4176787.89	0.00200
637624.41	4176810.59	0.00199	637668.96	4176833.29	0.00199
637713.51	4176855.99	0.00196	637758.06	4176878.69	0.00196
637802.61	4176901.38	0.00194	637847.16	4176924.08	0.00193
637891.71	4176946.78	0.00193	636470.55	4176175.70	0.00148
636515.10	4176198.40	0.00149	636559.65	4176221.10	0.00149
636604.20	4176243.80	0.00149	636648.75	4176266.50	0.00150
636693.30	4176289.20	0.00150	636737.85	4176311.90	0.00150

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
636782.40	4176334.60	0.00151	636826.95	4176357.30	0.00151
636871.50	4176380.00	0.00151	636916.05	4176402.69	0.00152
636960.60	4176425.39	0.00151	637005.15	4176448.09	0.00152
637049.70	4176470.79	0.00152	637094.25	4176493.49	0.00153
637138.81	4176516.19	0.00152	637183.36	4176538.89	0.00153
637227.91	4176561.59	0.00152	637272.46	4176584.29	0.00150
637317.01	4176606.99	0.00154	637361.56	4176629.69	0.00153
637406.11	4176652.39	0.00153	637450.66	4176675.09	0.00152
637495.21	4176697.79	0.00151	637539.76	4176720.49	0.00150
637584.31	4176743.19	0.00149	637628.86	4176765.89	0.00149
637673.41	4176788.59	0.00149	637717.96	4176811.29	0.00148
637762.51	4176833.99	0.00147	637807.06	4176856.69	0.00147
637851.61	4176879.38	0.00146	636411.55	4176101.70	0.00119
636456.10	4176124.40	0.00119	636500.65	4176147.10	0.00119
636545.20	4176169.80	0.00120	636589.75	4176192.50	0.00120
636634.30	4176215.20	0.00120	636678.85	4176237.90	0.00120
636723.40	4176260.60	0.00121	636767.95	4176283.30	0.00121
636812.50	4176306.00	0.00120	636857.05	4176328.69	0.00120
636901.60	4176351.39	0.00122	636946.15	4176374.09	0.00122
636990.70	4176396.79	0.00122	637035.25	4176419.49	0.00122
637079.81	4176442.19	0.00122	637124.36	4176464.89	0.00123
637168.91	4176487.59	0.00123	637213.46	4176510.29	0.00123
637258.01	4176532.99	0.00122	637302.56	4176555.69	0.00121
637347.11	4176578.39	0.00123	637391.66	4176601.09	0.00122
637436.21	4176623.79	0.00123	637480.76	4176646.49	0.00122
637525.31	4176669.19	0.00122	637569.86	4176691.89	0.00121
637614.41	4176714.59	0.00121	637658.96	4176737.29	0.00121
637703.51	4176759.99	0.00120	637748.06	4176782.69	0.00120
637792.61	4176805.38	0.00119	637837.16	4176828.08	0.00119
637881.71	4176850.78	0.00118	636486.96	4176092.70	0.00098
636531.51	4176115.40	0.00099	636576.06	4176138.10	0.00099
636620.61	4176160.80	0.00099	636665.16	4176183.50	0.00099
636709.71	4176206.20	0.00100	636754.26	4176228.90	0.00100
636798.81	4176251.60	0.00100	636843.36	4176274.30	0.00100
636887.91	4176297.00	0.00100	636932.46	4176319.69	0.00101
636977.01	4176342.39	0.00101	637021.56	4176365.09	0.00101
637066.11	4176387.79	0.00101	637110.66	4176410.49	0.00101
637155.22	4176433.19	0.00101	637199.77	4176455.89	0.00101
637244.32	4176478.59	0.00102	637288.87	4176501.29	0.00101
637333.42	4176523.99	0.00102	637377.97	4176546.69	0.00102

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
637422.52	4176569.39	0.00102	637467.07	4176592.09	0.00101
637511.62	4176614.79	0.00102	637556.17	4176637.49	0.00101
637600.72	4176660.19	0.00101	637645.27	4176682.89	0.00101
637689.82	4176705.59	0.00100	637734.37	4176728.29	0.00100
637778.92	4176750.99	0.00100	637823.47	4176773.69	0.00100
637868.02	4176796.38	0.00100	636567.85	4176089.20	0.00085
636612.40	4176111.90	0.00085	636656.95	4176134.60	0.00086
636701.50	4176157.30	0.00086	636746.05	4176180.00	0.00086
636790.60	4176202.70	0.00086	636835.15	4176225.40	0.00086
636879.70	4176248.10	0.00086	636924.25	4176270.80	0.00086
636968.80	4176293.50	0.00087	637013.35	4176316.19	0.00087
637057.90	4176338.89	0.00087	637102.45	4176361.59	0.00087
637147.00	4176384.29	0.00087	637191.55	4176406.99	0.00087
637236.11	4176429.69	0.00088	637280.66	4176452.39	0.00088
637325.21	4176475.09	0.00088	637369.76	4176497.79	0.00088
637414.31	4176520.49	0.00088	637458.86	4176543.19	0.00088
637503.41	4176565.89	0.00088	637547.96	4176588.59	0.00088
637592.51	4176611.29	0.00088	637637.06	4176633.99	0.00088
637681.61	4176656.69	0.00087	637726.16	4176679.39	0.00087
637770.71	4176702.09	0.00087	637815.26	4176724.79	0.00087
637859.81	4176747.49	0.00086	636666.14	4176087.06	0.00074
636710.69	4176109.76	0.00074	636755.24	4176132.46	0.00074
636799.79	4176155.16	0.00074	636844.34	4176177.86	0.00074
636888.89	4176200.56	0.00074	636933.44	4176223.26	0.00075
636977.99	4176245.96	0.00075	637022.54	4176268.66	0.00075
637067.09	4176291.36	0.00075	637111.64	4176314.05	0.00075
637156.19	4176336.75	0.00075	637200.74	4176359.45	0.00075
637245.29	4176382.15	0.00076	637289.84	4176404.85	0.00076
637334.40	4176427.55	0.00076	637378.95	4176450.25	0.00076
637423.50	4176472.95	0.00076	637468.05	4176495.65	0.00076
637512.60	4176518.35	0.00076	637557.15	4176541.05	0.00076
637601.70	4176563.75	0.00076	637646.25	4176586.45	0.00076
637690.80	4176609.15	0.00076	637735.35	4176631.85	0.00076
637779.90	4176654.55	0.00076	637824.45	4176677.25	0.00075
637869.00	4176699.95	0.00075	636765.29	4176091.43	0.00066
636809.84	4176114.13	0.00066	636854.39	4176136.83	0.00066
636898.94	4176159.53	0.00066	636943.49	4176182.23	0.00067
636988.04	4176204.93	0.00067	637032.59	4176227.63	0.00067
637077.14	4176250.33	0.00067	637121.69	4176273.03	0.00067
637166.24	4176295.73	0.00067	637210.79	4176318.42	0.00067

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
637255.34	4176341.12	0.00068	637299.89	4176363.82	0.00068
637344.44	4176386.52	0.00068	637388.99	4176409.22	0.00068
637433.55	4176431.92	0.00068	637478.10	4176454.62	0.00068
637522.65	4176477.32	0.00068	637567.20	4176500.02	0.00068
637611.75	4176522.72	0.00068	637656.30	4176545.42	0.00068
637700.85	4176568.12	0.00068	637745.40	4176590.82	0.00068
637789.95	4176613.52	0.00068	637834.50	4176636.22	0.00068
637879.05	4176658.92	0.00067	638126.00	4176975.00	0.00117
637965.00	4176910.00	0.00127	638015.00	4176910.00	0.00113
637965.00	4176960.00	0.00164	638015.00	4176960.00	0.00142
637965.00	4177010.00	0.00230	638015.00	4177010.00	0.00190
638173.00	4176912.00	0.00087	638223.00	4176912.00	0.00081
638273.00	4176912.00	0.00075	638323.00	4176912.00	0.00071
638173.00	4176962.00	0.00102	638223.00	4176962.00	0.00094
638273.00	4176962.00	0.00087	638323.00	4176962.00	0.00081
638173.00	4177012.00	0.00124	638223.00	4177012.00	0.00112
638273.00	4177012.00	0.00102	638323.00	4177012.00	0.00093
638173.00	4177062.00	0.00160	638223.00	4177062.00	0.00140
638273.00	4177062.00	0.00124	638323.00	4177062.00	0.00111
638173.00	4177112.00	0.00222	638223.00	4177112.00	0.00188
638273.00	4177112.00	0.00160	638323.00	4177112.00	0.00139
638273.00	4177162.00	0.00222	638323.00	4177162.00	0.00185
638357.00	4176916.00	0.00069	638357.00	4176916.00	0.00069
638407.00	4176916.00	0.00065	638557.00	4176916.00	0.00057
638607.00	4176916.00	0.00054	638707.00	4176916.00	0.00050
638357.00	4176966.00	0.00078	638407.00	4176966.00	0.00073
638557.00	4176966.00	0.00062	638607.00	4176966.00	0.00059
638707.00	4176966.00	0.00054	638357.00	4177016.00	0.00090
638407.00	4177016.00	0.00083	638457.00	4177016.00	0.00078
638507.00	4177016.00	0.00073	638557.00	4177016.00	0.00069
638607.00	4177016.00	0.00065	638707.00	4177016.00	0.00059
638357.00	4177066.00	0.00106	638407.00	4177066.00	0.00097
638457.00	4177066.00	0.00090	638507.00	4177066.00	0.00083
638557.00	4177066.00	0.00078	638607.00	4177066.00	0.00073
638657.00	4177066.00	0.00069	638707.00	4177066.00	0.00065
638757.00	4177066.00	0.00062	638807.00	4177066.00	0.00059
638857.00	4177066.00	0.00057	638907.00	4177066.00	0.00054
638357.00	4177116.00	0.00130	638407.00	4177116.00	0.00117
638457.00	4177116.00	0.00106	638507.00	4177116.00	0.00097
638557.00	4177116.00	0.00090	638607.00	4177116.00	0.00083

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
638657.00	4177116.00	0.00078	638707.00	4177116.00	0.00073
638757.00	4177116.00	0.00069	638807.00	4177116.00	0.00065
638857.00	4177116.00	0.00062	638907.00	4177116.00	0.00059
638357.00	4177166.00	0.00171	638407.00	4177166.00	0.00147
638457.00	4177166.00	0.00130	638507.00	4177166.00	0.00117
638557.00	4177166.00	0.00106	638607.00	4177166.00	0.00097
638657.00	4177166.00	0.00090	638707.00	4177166.00	0.00083
638757.00	4177166.00	0.00078	638807.00	4177166.00	0.00073
638857.00	4177166.00	0.00069	638907.00	4177166.00	0.00066
638357.00	4177216.00	0.00243	638407.00	4177216.00	0.00201
638457.00	4177216.00	0.00171	638507.00	4177216.00	0.00148
638557.00	4177216.00	0.00131	638607.00	4177216.00	0.00117
638657.00	4177216.00	0.00106	638707.00	4177216.00	0.00097
638757.00	4177216.00	0.00090	638807.00	4177216.00	0.00084
638857.00	4177216.00	0.00078	638907.00	4177216.00	0.00073
638457.00	4177266.00	0.00243	638507.00	4177266.00	0.00202
638557.00	4177266.00	0.00172	638607.00	4177266.00	0.00149
638657.00	4177266.00	0.00131	638707.00	4177266.00	0.00117
638757.00	4177266.00	0.00106	638807.00	4177266.00	0.00097
638857.00	4177266.00	0.00090	638557.00	4177316.00	0.00246
638607.00	4177316.00	0.00203	638657.00	4177316.00	0.00172
638707.00	4177316.00	0.00148	638757.00	4177316.00	0.00131
638807.00	4177316.00	0.00117	638857.00	4177316.00	0.00106
638636.87	4177340.30	0.00217	638685.23	4177354.62	0.00202
638756.88	4177356.42	0.00162	638796.28	4177355.52	0.00145
638831.21	4177343.88	0.00126	639133.00	4177457.00	0.00108
639132.00	4177413.00	0.00093	639130.00	4177375.00	0.00083
639128.00	4177332.00	0.00075	639140.12	4177300.40	0.00068
639177.55	4177479.70	0.00108	639222.10	4177502.40	0.00108
639266.65	4177525.10	0.00108	639311.20	4177547.80	0.00108
639355.75	4177570.50	0.00109	639400.30	4177593.20	0.00109
639444.85	4177615.90	0.00109	639176.55	4177435.70	0.00093
639221.10	4177458.40	0.00093	639265.65	4177481.10	0.00093
639310.20	4177503.80	0.00093	639354.75	4177526.50	0.00093
639399.30	4177549.20	0.00093	639443.85	4177571.90	0.00094
639488.40	4177594.60	0.00094	639174.55	4177397.70	0.00083
639219.10	4177420.40	0.00083	639263.65	4177443.10	0.00084
639308.20	4177465.80	0.00084	639352.75	4177488.50	0.00084
639397.30	4177511.20	0.00084	639441.85	4177533.90	0.00084
639486.40	4177556.60	0.00084	639172.55	4177354.70	0.00075

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
639217.10	4177377.40	0.00075	639261.65	4177400.10	0.00075
639306.20	4177422.80	0.00075	639350.75	4177445.50	0.00075
639395.30	4177468.20	0.00075	639439.85	4177490.90	0.00075
639484.40	4177513.60	0.00075	639184.67	4177323.10	0.00068
639229.22	4177345.80	0.00069	639273.77	4177368.50	0.00069
639318.32	4177391.20	0.00069	639362.87	4177413.90	0.00069
639407.42	4177436.60	0.00069	639451.97	4177459.30	0.00069
639496.52	4177482.00	0.00069	643024.00	4179439.00	0.00122
643141.00	4179491.00	0.00119	643228.00	4179455.00	0.00090
643205.00	4179517.00	0.00116	643271.00	4179570.00	0.00126
643279.00	4179643.00	0.00182	643343.00	4179679.00	0.00188
643365.00	4179689.00	0.00186	643324.00	4179605.00	0.00130
643265.94	4179527.10	0.00107	643583.00	4179780.00	0.00162
643231.00	4179762.00	0.00090	643228.00	4179817.00	0.00064
643140.00	4179814.00	0.00054	643354.00	4179819.00	0.00095
642874.00	4179802.00	0.00038	643359.00	4179624.00	0.00131
643386.00	4179638.00	0.00131	643407.00	4179598.00	0.00106
643430.00	4179529.00	0.00083	643426.00	4179722.00	0.00189
643472.00	4179745.00	0.00188	643432.00	4179669.00	0.00136
643484.00	4179692.00	0.00134	643472.00	4179637.00	0.00109
642871.00	4179938.00	0.00029	643366.00	4180043.00	0.00039
643463.00	4180039.00	0.00045	643364.00	4179892.00	0.00062
643026.00	4179884.00	0.00038	642910.00	4179882.00	0.00034

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00246	AT (638557.00, 4177316.00, 19.68, 19.68, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00243	AT (638357.00, 4177216.00, 20.38, 20.38, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00243	AT (638457.00, 4177266.00, 20.02, 20.02, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00230	AT (637965.00, 4177010.00, 21.56, 21.56, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00222	AT (638273.00, 4177162.00, 20.67, 20.67, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00222	AT (638173.00, 4177112.00, 20.87, 20.87, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00217	AT (638636.87, 4177340.30, 19.42, 19.42, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00208	AT (637134.36, 4176560.89, 20.90, 20.90, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00207	AT (637045.25, 4176515.49, 20.69, 20.69, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00206	AT (637178.91, 4176583.59, 21.06, 21.06, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   0 Warning Message(s)
A Total of   375 Informational Message(s)

A Total of   43848 Hours Were Processed

A Total of   375 Calm Hours Identified

A Total of   0 Missing Hours Identified (0.00 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
              *** NONE ***

   ****
   *** AERMOD Finishes Successfully ***
   ****

```
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE Valley Link: Tracy-Lathrop Segment S2, 2025 Annual Operation DPM
   MODELOPT CONC FASTAREA
   AVERTIME ANNUAL
   URBANOPT 538000 Modesto
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL Tracy-Lathrop_S2_operation_2025_DPM.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = TRALATH_S2_D
** DESCRSRC Tracy-Lathrop Segment - Part 2, Day Time
** PREFIX
** Length of Side = 9.10
** Ratio = 10
** Vertical Dimension = 1.37
** Emission Rate = 1.4705E-08
** Nodes = 16
** 648413.228, 4183389.729, 8.03, 5.87
** 649061.665, 4183628.627, 8.93, 5.87
** 649846.614, 4183913.028, 5.22, 5.87
** 650301.657, 4184072.294, 6.61, 5.87
** 650711.196, 4184220.183, 5.39, 5.87
** 650972.846, 4184333.943, 7.33, 5.87
** 651188.991, 4184504.584, 5.82, 5.87
** 651416.513, 4184697.978, 7.28, 5.87
** 651575.778, 4184925.499, 5.82, 5.87
** 651700.915, 4185164.397, 6.94, 5.87
** 651803.299, 4185460.175, 7.41, 5.87
** 651826.051, 4185596.688, 7.54, 5.87
** 651848.804, 4185801.457, 5.77, 5.87
** 651837.427, 4186484.022, 6.81, 5.87
** 651826.051, 4188543.092, 6.82, 5.87
** 651791.923, 4190260.879, 6.81, 5.87
** ------------------------------------------------------------------------
   LOCATION A0000001     AREA     648414.801 4183385.460 8.24
   LOCATION A0000002     AREA     648495.856 4183415.322 8.25
   LOCATION A0000003     AREA     648576.910 4183445.184 8.27
   LOCATION A0000004     AREA     648657.965 4183475.046 8.73
   LOCATION A0000005     AREA     648739.020 4183504.908 9.24
   LOCATION A0000006     AREA     648820.074 4183534.771 9.02
   LOCATION A0000007     AREA     648901.129 4183564.633 10.03
   LOCATION A0000008     AREA     648982.183 4183594.495 1.43
   LOCATION A0000009     AREA     649063.215 4183624.349 9.09
   LOCATION A0000010     AREA     649141.710 4183652.789 8.39
   LOCATION A0000011     AREA     649220.205 4183681.229 8.52
   LOCATION A0000012     AREA     649298.700 4183709.669 8.89
   LOCATION A0000013     AREA     649377.194 4183738.109 7.18
   LOCATION A0000014     AREA     649455.689 4183766.550 8.28
   LOCATION A0000015     AREA     649534.184 4183794.990 9.25
   LOCATION A0000016     AREA     649612.679 4183823.430 8.14
   LOCATION A0000017     AREA     649691.174 4183851.870 7.87
   LOCATION A0000018     AREA     649769.669 4183880.310 6.85
   LOCATION A0000019     AREA     649848.117 4183908.734 6.63
   LOCATION A0000020     AREA     649923.958 4183935.278 6.33
   LOCATION A0000021     AREA     649999.798 4183961.822 7.07
   LOCATION A0000022     AREA     650075.639 4183988.366 6.49
   LOCATION A0000023     AREA     650151.479 4184014.911 7.70
   LOCATION A0000024     AREA     650227.320 4184041.455 7.77
   LOCATION A0000025     AREA     650303.203 4184068.014 7.46
   LOCATION A0000026     AREA     650385.110 4184097.592 6.77
   LOCATION A0000027     AREA     650467.018 4184127.170 6.43
   LOCATION A0000028     AREA     650548.926 4184156.747 6.62
   LOCATION A0000029     AREA     650630.834 4184186.325 6.65
   LOCATION A0000030     AREA     650713.010 4184216.010 6.14
   LOCATION A0000031     AREA     650778.423 4184244.450 6.04
   LOCATION A0000032     AREA     650843.835 4184272.890 6.37
   LOCATION A0000033     AREA     650909.247 4184301.330 6.86
   LOCATION A0000034     AREA     650975.665 4184330.372 7.11
   LOCATION A0000035     AREA     651029.701 4184373.032 7.01
   LOCATION A0000036     AREA     651083.738 4184415.693 6.36
   LOCATION A0000037     AREA     651137.774 4184458.353 5.81
   LOCATION A0000038     AREA     651191.938 4184501.118 6.26
   LOCATION A0000039     AREA     651248.818 4184549.466 5.76
   LOCATION A0000040     AREA     651305.699 4184597.814 5.90
   LOCATION A0000041     AREA     651362.579 4184646.163 7.69
   LOCATION A0000042     AREA     651420.240 4184695.369 6.89
   LOCATION A0000043     AREA     651460.056 4184752.249 6.24
   LOCATION A0000044     AREA     651499.873 4184809.129 5.53
   LOCATION A0000045     AREA     651539.689 4184866.010 5.53
```

```
   LOCATION A0000046     AREA     651579.808 4184923.388 5.85
   LOCATION A0000047     AREA     651621.520 4185003.021 6.51
   LOCATION A0000048     AREA     651663.233 4185082.653 6.60
   LOCATION A0000049     AREA     651705.214 4185162.909 7.45
   LOCATION A0000050     AREA     651730.810 4185236.853 7.27
   LOCATION A0000051     AREA     651756.407 4185310.798 7.37
   LOCATION A0000052     AREA     651782.003 4185384.742 8.00
   LOCATION A0000053     AREA     651807.787 4185459.427 6.71
   LOCATION A0000054     AREA     651819.163 4185527.683 7.47
   LOCATION A0000055     AREA     651830.574 4185596.185 7.18
   LOCATION A0000056     AREA     651838.158 4185664.442 6.14
   LOCATION A0000057     AREA     651845.742 4185732.698 5.78
   LOCATION A0000058     AREA     651853.353 4185801.533 5.57
   LOCATION A0000059     AREA     651851.931 4185886.854 5.73
   LOCATION A0000060     AREA     651850.509 4185972.174 6.07
   LOCATION A0000061     AREA     651849.087 4186057.495 6.39
   LOCATION A0000062     AREA     651847.665 4186142.815 6.48
   LOCATION A0000063     AREA     651846.243 4186228.136 6.60
   LOCATION A0000064     AREA     651844.821 4186313.456 6.83
   LOCATION A0000065     AREA     651843.399 4186398.777 6.81
   LOCATION A0000066     AREA     651841.977 4186484.047 6.81
   LOCATION A0000067     AREA     651841.483 4186573.572 6.81
   LOCATION A0000068     AREA     651840.988 4186663.096 6.81
   LOCATION A0000069     AREA     651840.494 4186752.621 6.81
   LOCATION A0000070     AREA     651839.999 4186842.146 6.81
   LOCATION A0000071     AREA     651839.504 4186931.671 6.81
   LOCATION A0000072     AREA     651839.010 4187021.196 6.81
   LOCATION A0000073     AREA     651838.515 4187110.720 6.81
   LOCATION A0000074     AREA     651838.020 4187200.245 6.81
   LOCATION A0000075     AREA     651837.526 4187289.770 6.81
   LOCATION A0000076     AREA     651837.031 4187379.295 6.82
   LOCATION A0000077     AREA     651836.537 4187468.819 6.81
   LOCATION A0000078     AREA     651836.042 4187558.344 6.81
   LOCATION A0000079     AREA     651835.547 4187647.869 6.81
   LOCATION A0000080     AREA     651835.053 4187737.394 6.81
   LOCATION A0000081     AREA     651834.558 4187826.919 6.81
   LOCATION A0000082     AREA     651834.064 4187916.443 6.81
   LOCATION A0000083     AREA     651833.569 4188005.968 6.81
   LOCATION A0000084     AREA     651833.074 4188095.493 6.81
   LOCATION A0000085     AREA     651832.580 4188185.018 6.81
   LOCATION A0000086     AREA     651832.085 4188274.542 6.81
   LOCATION A0000087     AREA     651831.591 4188364.067 6.81
   LOCATION A0000088     AREA     651831.096 4188453.592 6.81
   LOCATION A0000089     AREA     651830.600 4188543.182 6.81
   LOCATION A0000090     AREA     651828.804 4188633.592 6.81
   LOCATION A0000091     AREA     651827.008 4188724.002 6.81
   LOCATION A0000092     AREA     651825.212 4188814.412 6.81
   LOCATION A0000093     AREA     651823.416 4188904.821 6.81
   LOCATION A0000094     AREA     651821.619 4188995.231 6.81
   LOCATION A0000095     AREA     651819.823 4189085.641 6.81
   LOCATION A0000096     AREA     651818.027 4189176.051 6.81
   LOCATION A0000097     AREA     651816.231 4189266.461 6.81
   LOCATION A0000098     AREA     651814.434 4189356.871 6.81
   LOCATION A0000099     AREA     651812.638 4189447.281 6.81
   LOCATION A0000100     AREA     651810.842 4189537.691 6.81
   LOCATION A0000101     AREA     651809.046 4189628.100 6.81
   LOCATION A0000102     AREA     651807.250 4189718.510 6.81
   LOCATION A0000103     AREA     651805.453 4189808.920 6.81
   LOCATION A0000104     AREA     651803.657 4189899.330 6.81
   LOCATION A0000105     AREA     651801.861 4189989.740 6.81
   LOCATION A0000106     AREA     651800.065 4190080.150 6.81
   LOCATION A0000107     AREA     651798.268 4190170.560 6.81
** End of LINE AREA Source ID = TRALATH_S2_D
** ------------------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = TRALATH_S2_N
** DESCRSRC Tracy-Lathrop Segment - Part 2, Night Time
** PREFIX
** Length of Side = 9.10
** Ratio = 10
** Vertical Dimension = 2.55
** Emission Rate = 1.4705E-08
** Nodes = 16
** 648413.228, 4183389.729, 8.03, 10.98
** 649061.665, 4183628.627, 8.93, 10.98
** 649846.614, 4183913.028, 5.22, 10.98
** 650301.657, 4184072.294, 6.61, 10.98
** 650711.196, 4184220.183, 5.39, 10.98
** 650972.846, 4184333.943, 7.33, 10.98
** 651188.991, 4184504.584, 5.82, 10.98
** 651416.513, 4184697.978, 7.28, 10.98
** 651575.778, 4184925.499, 5.82, 10.98
** 651700.915, 4185164.397, 6.94, 10.98
** 651803.299, 4185460.175, 7.41, 10.98
** 651826.051, 4185596.688, 7.54, 10.98
** 651848.804, 4185801.457, 5.77, 10.98
** 651837.427, 4186484.022, 6.81, 10.98
** 651826.051, 4188543.092, 6.82, 10.98
** 651791.923, 4190260.879, 6.81, 10.98
** ------------------------------------------------------------------------
   LOCATION A0000108     AREA     648414.801 4183385.460 8.24
   LOCATION A0000109     AREA     648495.856 4183415.322 8.25
   LOCATION A0000110     AREA     648576.910 4183445.184 8.27
   LOCATION A0000111     AREA     648657.965 4183475.046 8.73
   LOCATION A0000112     AREA     648739.020 4183504.908 9.24
```

LOCATION A0000113 AREA 648820.074 4183534.771 9.02
LOCATION A0000114 AREA 648901.129 4183564.633 10.03
LOCATION A0000115 AREA 648982.183 4183594.495 1.43
LOCATION A0000116 AREA 649063.215 4183624.349 9.09
LOCATION A0000117 AREA 649141.710 4183652.789 8.39
LOCATION A0000118 AREA 649220.205 4183681.229 8.52
LOCATION A0000119 AREA 649298.700 4183709.669 8.89
LOCATION A0000120 AREA 649377.194 4183738.109 7.18
LOCATION A0000121 AREA 649455.689 4183766.550 8.28
LOCATION A0000122 AREA 649534.184 4183794.990 9.25
LOCATION A0000123 AREA 649612.679 4183823.430 8.14
LOCATION A0000124 AREA 649691.174 4183851.870 7.87
LOCATION A0000125 AREA 649769.669 4183880.310 6.85
LOCATION A0000126 AREA 649848.117 4183908.734 6.63
LOCATION A0000127 AREA 649923.958 4183935.278 6.33
LOCATION A0000128 AREA 649999.798 4183961.822 7.07
LOCATION A0000129 AREA 650075.639 4183988.366 6.49
LOCATION A0000130 AREA 650151.479 4184014.911 7.70
LOCATION A0000131 AREA 650227.320 4184041.455 7.77
LOCATION A0000132 AREA 650303.203 4184068.014 7.46
LOCATION A0000133 AREA 650385.110 4184097.592 6.77
LOCATION A0000134 AREA 650467.018 4184127.170 6.43
LOCATION A0000135 AREA 650548.926 4184156.747 6.62
LOCATION A0000136 AREA 650630.834 4184186.325 6.65
LOCATION A0000137 AREA 650713.010 4184216.010 6.14
LOCATION A0000138 AREA 650778.423 4184244.450 6.04
LOCATION A0000139 AREA 650843.835 4184272.890 6.37
LOCATION A0000140 AREA 650909.247 4184301.330 6.86
LOCATION A0000141 AREA 650975.665 4184330.372 7.11
LOCATION A0000142 AREA 651029.701 4184373.032 7.01
LOCATION A0000143 AREA 651083.738 4184415.693 6.36
LOCATION A0000144 AREA 651137.774 4184458.353 5.81
LOCATION A0000145 AREA 651191.938 4184501.118 6.26
LOCATION A0000146 AREA 651248.818 4184549.466 5.76
LOCATION A0000147 AREA 651305.699 4184597.814 5.90
LOCATION A0000148 AREA 651362.579 4184646.163 7.69
LOCATION A0000149 AREA 651420.240 4184695.369 6.89
LOCATION A0000150 AREA 651460.056 4184752.249 6.24
LOCATION A0000151 AREA 651499.873 4184809.129 5.53
LOCATION A0000152 AREA 651539.689 4184866.010 5.53
LOCATION A0000153 AREA 651579.808 4184923.388 5.85
LOCATION A0000154 AREA 651621.520 4185003.021 6.51
LOCATION A0000155 AREA 651663.233 4185082.653 6.60
LOCATION A0000156 AREA 651705.214 4185162.909 7.45
LOCATION A0000157 AREA 651730.810 4185236.853 7.27
LOCATION A0000158 AREA 651756.407 4185310.798 7.37
LOCATION A0000159 AREA 651782.003 4185384.742 8.00
LOCATION A0000160 AREA 651807.787 4185459.427 6.71
LOCATION A0000161 AREA 651819.163 4185527.683 7.47
LOCATION A0000162 AREA 651830.574 4185596.185 7.18
LOCATION A0000163 AREA 651838.158 4185664.442 6.14
LOCATION A0000164 AREA 651845.742 4185732.698 5.78
LOCATION A0000165 AREA 651853.353 4185801.533 5.57
LOCATION A0000166 AREA 651851.931 4185886.854 5.73
LOCATION A0000167 AREA 651850.509 4185972.174 6.07
LOCATION A0000168 AREA 651849.087 4186057.495 6.39
LOCATION A0000169 AREA 651847.665 4186142.815 6.48
LOCATION A0000170 AREA 651846.243 4186228.136 6.60
LOCATION A0000171 AREA 651844.821 4186313.456 6.83
LOCATION A0000172 AREA 651843.399 4186398.777 6.81
LOCATION A0000173 AREA 651841.977 4186484.047 6.81
LOCATION A0000174 AREA 651841.483 4186573.572 6.81
LOCATION A0000175 AREA 651840.988 4186663.096 6.81
LOCATION A0000176 AREA 651840.494 4186752.621 6.81
LOCATION A0000177 AREA 651839.999 4186842.146 6.81
LOCATION A0000178 AREA 651839.504 4186931.671 6.81
LOCATION A0000179 AREA 651839.010 4187021.196 6.81
LOCATION A0000180 AREA 651838.515 4187110.720 6.81
LOCATION A0000181 AREA 651838.020 4187200.245 6.81
LOCATION A0000182 AREA 651837.526 4187289.770 6.81
LOCATION A0000183 AREA 651837.031 4187379.295 6.82
LOCATION A0000184 AREA 651836.537 4187468.819 6.81
LOCATION A0000185 AREA 651836.042 4187558.344 6.81
LOCATION A0000186 AREA 651835.547 4187647.869 6.81
LOCATION A0000187 AREA 651835.053 4187737.394 6.81
LOCATION A0000188 AREA 651834.558 4187826.919 6.81
LOCATION A0000189 AREA 651834.064 4187916.443 6.81
LOCATION A0000190 AREA 651833.569 4188005.968 6.81
LOCATION A0000191 AREA 651833.074 4188095.493 6.81
LOCATION A0000192 AREA 651832.580 4188185.018 6.81
LOCATION A0000193 AREA 651832.085 4188274.542 6.81
LOCATION A0000194 AREA 651831.591 4188364.067 6.81
LOCATION A0000195 AREA 651831.096 4188453.592 6.81
LOCATION A0000196 AREA 651830.600 4188543.182 6.81
LOCATION A0000197 AREA 651828.804 4188633.592 6.81
LOCATION A0000198 AREA 651827.008 4188724.002 6.81
LOCATION A0000199 AREA 651825.212 4188814.412 6.81
LOCATION A0000200 AREA 651823.416 4188904.821 6.81
LOCATION A0000201 AREA 651821.619 4188995.231 6.81
LOCATION A0000202 AREA 651819.823 4189085.641 6.81
LOCATION A0000203 AREA 651818.027 4189176.051 6.81
LOCATION A0000204 AREA 651816.231 4189266.461 6.81
LOCATION A0000205 AREA 651814.434 4189356.871 6.81
LOCATION A0000206 AREA 651812.638 4189447.281 6.81
LOCATION A0000207 AREA 651810.842 4189537.691 6.81

```
   LOCATION A0000208     AREA     651809.046 4189628.100 6.81
   LOCATION A0000209     AREA     651807.250 4189718.510 6.81
   LOCATION A0000210     AREA     651805.453 4189808.920 6.81
   LOCATION A0000211     AREA     651803.657 4189899.330 6.81
   LOCATION A0000212     AREA     651801.861 4189989.740 6.81
   LOCATION A0000213     AREA     651800.065 4190080.150 6.81
   LOCATION A0000214     AREA     651798.268 4190170.560 6.81
** End of LINE AREA Source ID = TRALATH_S2_N
** Source Parameters **
** LINE AREA Source ID = TRALATH_S2_D
   SRCPARAM A0000001     1.4705E-08     5.870    86.380     9.100   -20.225     1.370
   SRCPARAM A0000002     1.4705E-08     5.870    86.380     9.100   -20.225     1.370
   SRCPARAM A0000003     1.4705E-08     5.870    86.380     9.100   -20.225     1.370
   SRCPARAM A0000004     1.4705E-08     5.870    86.380     9.100   -20.225     1.370
   SRCPARAM A0000005     1.4705E-08     5.870    86.380     9.100   -20.225     1.370
   SRCPARAM A0000006     1.4705E-08     5.870    86.380     9.100   -20.225     1.370
   SRCPARAM A0000007     1.4705E-08     5.870    86.380     9.100   -20.225     1.370
   SRCPARAM A0000008     1.4705E-08     5.870    86.380     9.100   -20.225     1.370
   SRCPARAM A0000009     1.4705E-08     5.870    83.488     9.100   -19.916     1.370
   SRCPARAM A0000010     1.4705E-08     5.870    83.488     9.100   -19.916     1.370
   SRCPARAM A0000011     1.4705E-08     5.870    83.488     9.100   -19.916     1.370
   SRCPARAM A0000012     1.4705E-08     5.870    83.488     9.100   -19.916     1.370
   SRCPARAM A0000013     1.4705E-08     5.870    83.488     9.100   -19.916     1.370
   SRCPARAM A0000014     1.4705E-08     5.870    83.488     9.100   -19.916     1.370
   SRCPARAM A0000015     1.4705E-08     5.870    83.488     9.100   -19.916     1.370
   SRCPARAM A0000016     1.4705E-08     5.870    83.488     9.100   -19.916     1.370
   SRCPARAM A0000017     1.4705E-08     5.870    83.488     9.100   -19.916     1.370
   SRCPARAM A0000018     1.4705E-08     5.870    83.488     9.100   -19.916     1.370
   SRCPARAM A0000019     1.4705E-08     5.870    80.352     9.100   -19.290     1.370
   SRCPARAM A0000020     1.4705E-08     5.870    80.352     9.100   -19.290     1.370
   SRCPARAM A0000021     1.4705E-08     5.870    80.352     9.100   -19.290     1.370
   SRCPARAM A0000022     1.4705E-08     5.870    80.352     9.100   -19.290     1.370
   SRCPARAM A0000023     1.4705E-08     5.870    80.352     9.100   -19.290     1.370
   SRCPARAM A0000024     1.4705E-08     5.870    80.352     9.100   -19.290     1.370
   SRCPARAM A0000025     1.4705E-08     5.870    87.085     9.100   -19.855     1.370
   SRCPARAM A0000026     1.4705E-08     5.870    87.085     9.100   -19.855     1.370
   SRCPARAM A0000027     1.4705E-08     5.870    87.085     9.100   -19.855     1.370
   SRCPARAM A0000028     1.4705E-08     5.870    87.085     9.100   -19.855     1.370
   SRCPARAM A0000029     1.4705E-08     5.870    87.085     9.100   -19.855     1.370
   SRCPARAM A0000030     1.4705E-08     5.870    71.328     9.100   -23.499     1.370
   SRCPARAM A0000031     1.4705E-08     5.870    71.328     9.100   -23.499     1.370
   SRCPARAM A0000032     1.4705E-08     5.870    71.328     9.100   -23.499     1.370
   SRCPARAM A0000033     1.4705E-08     5.870    71.328     9.100   -23.499     1.370
   SRCPARAM A0000034     1.4705E-08     5.870    68.846     9.100   -38.290     1.370
   SRCPARAM A0000035     1.4705E-08     5.870    68.846     9.100   -38.290     1.370
   SRCPARAM A0000036     1.4705E-08     5.870    68.846     9.100   -38.290     1.370
   SRCPARAM A0000037     1.4705E-08     5.870    68.846     9.100   -38.290     1.370
   SRCPARAM A0000038     1.4705E-08     5.870    74.652     9.100   -40.365     1.370
   SRCPARAM A0000039     1.4705E-08     5.870    74.652     9.100   -40.365     1.370
   SRCPARAM A0000040     1.4705E-08     5.870    74.652     9.100   -40.365     1.370
   SRCPARAM A0000041     1.4705E-08     5.870    74.652     9.100   -40.365     1.370
   SRCPARAM A0000042     1.4705E-08     5.870    69.431     9.100   -55.008     1.370
   SRCPARAM A0000043     1.4705E-08     5.870    69.431     9.100   -55.008     1.370
   SRCPARAM A0000044     1.4705E-08     5.870    69.431     9.100   -55.008     1.370
   SRCPARAM A0000045     1.4705E-08     5.870    69.431     9.100   -55.008     1.370
   SRCPARAM A0000046     1.4705E-08     5.870    89.896     9.100   -62.354     1.370
   SRCPARAM A0000047     1.4705E-08     5.870    89.896     9.100   -62.354     1.370
   SRCPARAM A0000048     1.4705E-08     5.870    89.896     9.100   -62.354     1.370
   SRCPARAM A0000049     1.4705E-08     5.870    78.249     9.100   -70.907     1.370
   SRCPARAM A0000050     1.4705E-08     5.870    78.249     9.100   -70.907     1.370
   SRCPARAM A0000051     1.4705E-08     5.870    78.249     9.100   -70.907     1.370
   SRCPARAM A0000052     1.4705E-08     5.870    78.249     9.100   -70.907     1.370
   SRCPARAM A0000053     1.4705E-08     5.870    69.198     9.100   -80.538     1.370
   SRCPARAM A0000054     1.4705E-08     5.870    69.198     9.100   -80.538     1.370
   SRCPARAM A0000055     1.4705E-08     5.870    68.677     9.100   -83.660     1.370
   SRCPARAM A0000056     1.4705E-08     5.870    68.677     9.100   -83.660     1.370
   SRCPARAM A0000057     1.4705E-08     5.870    68.677     9.100   -83.660     1.370
   SRCPARAM A0000058     1.4705E-08     5.870    85.332     9.100   -90.955     1.370
   SRCPARAM A0000059     1.4705E-08     5.870    85.332     9.100   -90.955     1.370
   SRCPARAM A0000060     1.4705E-08     5.870    85.332     9.100   -90.955     1.370
   SRCPARAM A0000061     1.4705E-08     5.870    85.332     9.100   -90.955     1.370
   SRCPARAM A0000062     1.4705E-08     5.870    85.332     9.100   -90.955     1.370
   SRCPARAM A0000063     1.4705E-08     5.870    85.332     9.100   -90.955     1.370
   SRCPARAM A0000064     1.4705E-08     5.870    85.332     9.100   -90.955     1.370
   SRCPARAM A0000065     1.4705E-08     5.870    85.332     9.100   -90.955     1.370
   SRCPARAM A0000066     1.4705E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000067     1.4705E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000068     1.4705E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000069     1.4705E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000070     1.4705E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000071     1.4705E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000072     1.4705E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000073     1.4705E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000074     1.4705E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000075     1.4705E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000076     1.4705E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000077     1.4705E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000078     1.4705E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000079     1.4705E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000080     1.4705E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000081     1.4705E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000082     1.4705E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000083     1.4705E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000084     1.4705E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000085     1.4705E-08     5.870    89.526     9.100   -90.317     1.370
```

```
   SRCPARAM A0000086     1.4705E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000087     1.4705E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000088     1.4705E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000089     1.4705E-08     5.870    90.428     9.100   -91.138     1.370
   SRCPARAM A0000090     1.4705E-08     5.870    90.428     9.100   -91.138     1.370
   SRCPARAM A0000091     1.4705E-08     5.870    90.428     9.100   -91.138     1.370
   SRCPARAM A0000092     1.4705E-08     5.870    90.428     9.100   -91.138     1.370
   SRCPARAM A0000093     1.4705E-08     5.870    90.428     9.100   -91.138     1.370
   SRCPARAM A0000094     1.4705E-08     5.870    90.428     9.100   -91.138     1.370
   SRCPARAM A0000095     1.4705E-08     5.870    90.428     9.100   -91.138     1.370
   SRCPARAM A0000096     1.4705E-08     5.870    90.428     9.100   -91.138     1.370
   SRCPARAM A0000097     1.4705E-08     5.870    90.428     9.100   -91.138     1.370
   SRCPARAM A0000098     1.4705E-08     5.870    90.428     9.100   -91.138     1.370
   SRCPARAM A0000099     1.4705E-08     5.870    90.428     9.100   -91.138     1.370
   SRCPARAM A0000100     1.4705E-08     5.870    90.428     9.100   -91.138     1.370
   SRCPARAM A0000101     1.4705E-08     5.870    90.428     9.100   -91.138     1.370
   SRCPARAM A0000102     1.4705E-08     5.870    90.428     9.100   -91.138     1.370
   SRCPARAM A0000103     1.4705E-08     5.870    90.428     9.100   -91.138     1.370
   SRCPARAM A0000104     1.4705E-08     5.870    90.428     9.100   -91.138     1.370
   SRCPARAM A0000105     1.4705E-08     5.870    90.428     9.100   -91.138     1.370
   SRCPARAM A0000106     1.4705E-08     5.870    90.428     9.100   -91.138     1.370
   SRCPARAM A0000107     1.4705E-08     5.870    90.428     9.100   -91.138     1.370
** ------------------------------------------------------------------
** LINE AREA Source ID = TRALATH_S2_N
   SRCPARAM A0000108     1.4705E-08    10.980    86.380     9.100   -20.225     2.550
   SRCPARAM A0000109     1.4705E-08    10.980    86.380     9.100   -20.225     2.550
   SRCPARAM A0000110     1.4705E-08    10.980    86.380     9.100   -20.225     2.550
   SRCPARAM A0000111     1.4705E-08    10.980    86.380     9.100   -20.225     2.550
   SRCPARAM A0000112     1.4705E-08    10.980    86.380     9.100   -20.225     2.550
   SRCPARAM A0000113     1.4705E-08    10.980    86.380     9.100   -20.225     2.550
   SRCPARAM A0000114     1.4705E-08    10.980    86.380     9.100   -20.225     2.550
   SRCPARAM A0000115     1.4705E-08    10.980    86.380     9.100   -20.225     2.550
   SRCPARAM A0000116     1.4705E-08    10.980    83.488     9.100   -19.916     2.550
   SRCPARAM A0000117     1.4705E-08    10.980    83.488     9.100   -19.916     2.550
   SRCPARAM A0000118     1.4705E-08    10.980    83.488     9.100   -19.916     2.550
   SRCPARAM A0000119     1.4705E-08    10.980    83.488     9.100   -19.916     2.550
   SRCPARAM A0000120     1.4705E-08    10.980    83.488     9.100   -19.916     2.550
   SRCPARAM A0000121     1.4705E-08    10.980    83.488     9.100   -19.916     2.550
   SRCPARAM A0000122     1.4705E-08    10.980    83.488     9.100   -19.916     2.550
   SRCPARAM A0000123     1.4705E-08    10.980    83.488     9.100   -19.916     2.550
   SRCPARAM A0000124     1.4705E-08    10.980    83.488     9.100   -19.916     2.550
   SRCPARAM A0000125     1.4705E-08    10.980    83.488     9.100   -19.916     2.550
   SRCPARAM A0000126     1.4705E-08    10.980    80.352     9.100   -19.290     2.550
   SRCPARAM A0000127     1.4705E-08    10.980    80.352     9.100   -19.290     2.550
   SRCPARAM A0000128     1.4705E-08    10.980    80.352     9.100   -19.290     2.550
   SRCPARAM A0000129     1.4705E-08    10.980    80.352     9.100   -19.290     2.550
   SRCPARAM A0000130     1.4705E-08    10.980    80.352     9.100   -19.290     2.550
   SRCPARAM A0000131     1.4705E-08    10.980    80.352     9.100   -19.290     2.550
   SRCPARAM A0000132     1.4705E-08    10.980    87.085     9.100   -19.855     2.550
   SRCPARAM A0000133     1.4705E-08    10.980    87.085     9.100   -19.855     2.550
   SRCPARAM A0000134     1.4705E-08    10.980    87.085     9.100   -19.855     2.550
   SRCPARAM A0000135     1.4705E-08    10.980    87.085     9.100   -19.855     2.550
   SRCPARAM A0000136     1.4705E-08    10.980    87.085     9.100   -19.855     2.550
   SRCPARAM A0000137     1.4705E-08    10.980    71.328     9.100   -23.499     2.550
   SRCPARAM A0000138     1.4705E-08    10.980    71.328     9.100   -23.499     2.550
   SRCPARAM A0000139     1.4705E-08    10.980    71.328     9.100   -23.499     2.550
   SRCPARAM A0000140     1.4705E-08    10.980    71.328     9.100   -23.499     2.550
   SRCPARAM A0000141     1.4705E-08    10.980    68.846     9.100   -38.290     2.550
   SRCPARAM A0000142     1.4705E-08    10.980    68.846     9.100   -38.290     2.550
   SRCPARAM A0000143     1.4705E-08    10.980    68.846     9.100   -38.290     2.550
   SRCPARAM A0000144     1.4705E-08    10.980    68.846     9.100   -38.290     2.550
   SRCPARAM A0000145     1.4705E-08    10.980    74.652     9.100   -40.365     2.550
   SRCPARAM A0000146     1.4705E-08    10.980    74.652     9.100   -40.365     2.550
   SRCPARAM A0000147     1.4705E-08    10.980    74.652     9.100   -40.365     2.550
   SRCPARAM A0000148     1.4705E-08    10.980    74.652     9.100   -40.365     2.550
   SRCPARAM A0000149     1.4705E-08    10.980    69.431     9.100   -55.008     2.550
   SRCPARAM A0000150     1.4705E-08    10.980    69.431     9.100   -55.008     2.550
   SRCPARAM A0000151     1.4705E-08    10.980    69.431     9.100   -55.008     2.550
   SRCPARAM A0000152     1.4705E-08    10.980    69.431     9.100   -55.008     2.550
   SRCPARAM A0000153     1.4705E-08    10.980    89.896     9.100   -62.354     2.550
   SRCPARAM A0000154     1.4705E-08    10.980    89.896     9.100   -62.354     2.550
   SRCPARAM A0000155     1.4705E-08    10.980    89.896     9.100   -62.354     2.550
   SRCPARAM A0000156     1.4705E-08    10.980    78.249     9.100   -70.907     2.550
   SRCPARAM A0000157     1.4705E-08    10.980    78.249     9.100   -70.907     2.550
   SRCPARAM A0000158     1.4705E-08    10.980    78.249     9.100   -70.907     2.550
   SRCPARAM A0000159     1.4705E-08    10.980    78.249     9.100   -70.907     2.550
   SRCPARAM A0000160     1.4705E-08    10.980    69.198     9.100   -80.538     2.550
   SRCPARAM A0000161     1.4705E-08    10.980    69.198     9.100   -80.538     2.550
   SRCPARAM A0000162     1.4705E-08    10.980    68.677     9.100   -83.660     2.550
   SRCPARAM A0000163     1.4705E-08    10.980    68.677     9.100   -83.660     2.550
   SRCPARAM A0000164     1.4705E-08    10.980    68.677     9.100   -83.660     2.550
   SRCPARAM A0000165     1.4705E-08    10.980    85.332     9.100   -90.955     2.550
   SRCPARAM A0000166     1.4705E-08    10.980    85.332     9.100   -90.955     2.550
   SRCPARAM A0000167     1.4705E-08    10.980    85.332     9.100   -90.955     2.550
   SRCPARAM A0000168     1.4705E-08    10.980    85.332     9.100   -90.955     2.550
   SRCPARAM A0000169     1.4705E-08    10.980    85.332     9.100   -90.955     2.550
   SRCPARAM A0000170     1.4705E-08    10.980    85.332     9.100   -90.955     2.550
   SRCPARAM A0000171     1.4705E-08    10.980    85.332     9.100   -90.955     2.550
   SRCPARAM A0000172     1.4705E-08    10.980    85.332     9.100   -90.955     2.550
   SRCPARAM A0000173     1.4705E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000174     1.4705E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000175     1.4705E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000176     1.4705E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000177     1.4705E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000178     1.4705E-08    10.980    89.526     9.100   -90.317     2.550
```

```
   SRCPARAM A0000179     1.4705E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000180     1.4705E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000181     1.4705E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000182     1.4705E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000183     1.4705E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000184     1.4705E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000185     1.4705E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000186     1.4705E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000187     1.4705E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000188     1.4705E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000189     1.4705E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000190     1.4705E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000191     1.4705E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000192     1.4705E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000193     1.4705E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000194     1.4705E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000195     1.4705E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000196     1.4705E-08    10.980    90.428     9.100   -91.138     2.550
   SRCPARAM A0000197     1.4705E-08    10.980    90.428     9.100   -91.138     2.550
   SRCPARAM A0000198     1.4705E-08    10.980    90.428     9.100   -91.138     2.550
   SRCPARAM A0000199     1.4705E-08    10.980    90.428     9.100   -91.138     2.550
   SRCPARAM A0000200     1.4705E-08    10.980    90.428     9.100   -91.138     2.550
   SRCPARAM A0000201     1.4705E-08    10.980    90.428     9.100   -91.138     2.550
   SRCPARAM A0000202     1.4705E-08    10.980    90.428     9.100   -91.138     2.550
   SRCPARAM A0000203     1.4705E-08    10.980    90.428     9.100   -91.138     2.550
   SRCPARAM A0000204     1.4705E-08    10.980    90.428     9.100   -91.138     2.550
   SRCPARAM A0000205     1.4705E-08    10.980    90.428     9.100   -91.138     2.550
   SRCPARAM A0000206     1.4705E-08    10.980    90.428     9.100   -91.138     2.550
   SRCPARAM A0000207     1.4705E-08    10.980    90.428     9.100   -91.138     2.550
   SRCPARAM A0000208     1.4705E-08    10.980    90.428     9.100   -91.138     2.550
   SRCPARAM A0000209     1.4705E-08    10.980    90.428     9.100   -91.138     2.550
   SRCPARAM A0000210     1.4705E-08    10.980    90.428     9.100   -91.138     2.550
   SRCPARAM A0000211     1.4705E-08    10.980    90.428     9.100   -91.138     2.550
   SRCPARAM A0000212     1.4705E-08    10.980    90.428     9.100   -91.138     2.550
   SRCPARAM A0000213     1.4705E-08    10.980    90.428     9.100   -91.138     2.550
   SRCPARAM A0000214     1.4705E-08    10.980    90.428     9.100   -91.138     2.550
** ------------------------------------------------------------------
   URBANSRC ALL

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Day"
   EMISFACT A0000001     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000001     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000001     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000001     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000002     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000002     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000002     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000002     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000003     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000003     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000003     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000003     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000004     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000004     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000004     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000004     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000005     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000005     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000005     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000005     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000006     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000006     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000006     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000006     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000007     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000007     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000007     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000007     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000008     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000008     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000008     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000008     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000009     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000009     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000009     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000009     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000010     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000010     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000010     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000010     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000011     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000011     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000011     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000011     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000012     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000012     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000013     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000013     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
```

```
EMISFACT A0000014     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000014     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000015     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000015     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000015     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000015     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000016     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000016     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000016     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000016     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000017     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000017     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000017     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000017     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000018     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000018     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000018     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000018     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000019     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000019     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000019     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000019     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000020     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000020     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000020     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000020     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000021     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000021     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000021     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000021     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000022     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000022     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000022     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000022     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000023     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000023     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000023     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000023     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000024     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000024     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000024     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000024     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000025     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000025     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000025     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000025     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000026     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000026     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000026     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000026     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000027     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000027     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000027     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000027     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000028     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000028     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000028     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000028     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000029     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000029     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000029     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000029     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000030     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000030     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000030     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000030     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000031     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000031     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000031     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000031     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000032     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000032     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000032     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000032     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000033     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000033     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000033     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000033     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000034     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000034     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000034     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000034     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000035     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000035     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000035     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000035     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000036     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000036     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000036     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000036     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000037     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000037     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000037     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000037     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000038     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT A0000038     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000038     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000038     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000039     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000039     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000039     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000039     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000040     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000040     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000040     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000040     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000041     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000041     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000041     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000041     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000042     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000042     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000042     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000042     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000043     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000043     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000043     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000043     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000044     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000044     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000044     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000044     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000045     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000045     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000045     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000045     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000046     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000046     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000046     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000046     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000047     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000047     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000047     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000047     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000048     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000048     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000048     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000048     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000049     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000049     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000049     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000049     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000050     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000050     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000050     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000050     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000051     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000051     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000051     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000051     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000052     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000052     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000052     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000052     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000053     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000053     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000053     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000053     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000054     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000054     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000054     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000054     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000055     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000055     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000055     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000055     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000056     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000056     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000056     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000056     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000057     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000057     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000057     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000057     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000058     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000058     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000058     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000058     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000059     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000059     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000059     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000059     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000060     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000060     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000060     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000060     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000061     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000061     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000061     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000061     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT A0000062     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000062     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000062     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000062     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000063     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000063     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000063     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000063     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000064     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000064     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000064     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000064     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000065     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000065     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000065     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000065     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000066     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000066     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000066     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000066     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000067     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000067     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000067     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000067     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000068     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000068     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000068     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000068     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000069     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000069     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000069     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000069     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000070     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000070     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000070     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000070     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000071     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000071     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000071     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000071     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000072     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000072     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000072     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000072     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000073     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000073     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000073     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000073     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000074     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000074     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000074     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000074     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000075     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000075     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000075     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000075     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000076     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000076     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000076     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000076     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000077     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000077     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000077     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000077     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000078     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000078     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000078     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000078     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000079     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000079     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000079     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000079     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000080     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000080     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000080     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000080     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000081     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000081     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000081     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000081     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000082     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000082     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000082     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000082     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000083     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000083     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000083     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000083     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000084     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000084     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000084     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000084     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000085     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000085     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000085     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
```

```
   EMISFACT A0000085     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000086     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000086     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000086     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000086     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000087     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000087     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000087     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000087     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000088     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000088     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000088     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000088     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000089     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000089     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000089     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000089     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000090     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000090     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000090     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000090     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000091     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000091     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000091     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000091     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000092     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000092     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000092     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000092     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000093     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000093     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000093     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000093     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000094     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000094     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000094     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000094     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000095     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000095     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000095     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000095     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000096     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000096     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000096     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000096     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000097     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000097     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000097     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000097     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000098     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000098     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000098     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000098     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000099     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000099     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000099     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000099     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000100     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000100     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000100     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000100     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000101     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000101     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000101     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000101     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000102     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000102     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000102     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000102     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000103     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000103     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000103     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000103     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000104     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000104     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000104     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000104     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000105     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000105     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000105     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000105     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000106     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000106     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000106     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000106     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000107     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000107     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000107     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000107     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Night"
   EMISFACT A0000108     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000108     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000108     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
```

```
EMISFACT A0000108     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000109     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000109     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000109     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000109     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000110     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000110     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000110     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000110     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000111     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000111     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000111     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000111     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000112     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000112     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000112     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000112     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000113     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000113     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000113     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000113     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000114     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000114     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000114     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000114     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000115     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000115     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000115     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000115     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000116     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000116     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000116     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000116     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000117     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000117     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000117     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000117     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000118     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000118     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000118     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000118     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000119     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000119     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000119     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000119     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000120     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000120     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000120     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000120     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000121     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000121     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000121     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000121     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000122     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000122     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000122     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000122     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000123     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000123     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000123     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000123     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000124     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000124     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000124     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000124     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000125     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000125     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000125     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000125     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000126     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000126     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000126     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000126     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000127     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000127     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000127     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000127     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000128     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000128     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000128     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000128     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000129     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000129     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000129     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000129     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000130     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000130     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000130     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000130     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000131     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000131     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000131     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000131     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000132     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000132     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
```

```
EMISFACT A0000132     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000132     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000133     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000133     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000133     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000133     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000134     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000134     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000134     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000134     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000135     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000135     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000135     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000135     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000136     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000136     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000136     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000136     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000137     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000137     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000137     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000137     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000138     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000138     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000138     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000138     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000139     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000139     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000139     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000139     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000140     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000140     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000140     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000140     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000141     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000141     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000141     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000141     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000142     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000142     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000142     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000142     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000143     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000143     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000143     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000143     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000144     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000144     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000144     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000144     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000145     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000145     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000145     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000145     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000146     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000146     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000146     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000146     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000147     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000147     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000147     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000147     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000148     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000148     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000148     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000148     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000149     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000149     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000149     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000149     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000150     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000150     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000150     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000150     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000151     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000151     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000151     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000151     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000152     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000152     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000152     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000152     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000153     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000153     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000153     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000153     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000154     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000154     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000154     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000154     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000155     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000155     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000155     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000155     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000156     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
```

```
EMISFACT A0000156     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000156     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000156     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000157     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000157     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000157     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000157     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000158     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000158     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000158     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000158     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000159     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000159     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000159     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000159     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000160     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000160     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000160     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000160     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000161     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000161     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000161     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000161     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000162     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000162     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000162     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000162     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000163     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000163     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000163     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000163     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000164     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000164     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000164     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000164     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000165     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000165     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000165     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000165     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000166     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000166     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000166     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000166     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000167     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000167     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000167     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000167     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000168     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000168     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000168     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000168     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000169     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000169     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000169     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000169     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000170     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000170     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000170     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000170     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000171     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000171     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000171     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000171     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000172     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000172     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000172     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000172     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000173     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000173     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000173     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000173     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000174     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000174     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000174     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000174     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000175     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000175     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000175     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000175     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000176     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000176     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000176     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000176     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000177     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000177     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000177     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000177     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000178     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000178     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000178     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000178     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000179     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000179     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000179     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000179     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
```

```
EMISFACT A0000180     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000180     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000180     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000180     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000181     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000181     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000181     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000181     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000182     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000182     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000182     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000182     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000183     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000183     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000183     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000183     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000184     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000184     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000184     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000184     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000185     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000185     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000185     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000185     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000186     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000186     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000186     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000186     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000187     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000187     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000187     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000187     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000188     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000188     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000188     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000188     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000189     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000189     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000189     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000189     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000190     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000190     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000190     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000190     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000191     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000191     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000191     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000191     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000192     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000192     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000192     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000192     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000193     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000193     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000193     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000193     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000194     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000194     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000194     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000194     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000195     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000195     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000195     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000195     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000196     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000196     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000196     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000196     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000197     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000197     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000197     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000197     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000198     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000198     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000198     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000198     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000199     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000199     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000199     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000199     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000200     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000200     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000200     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000200     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000201     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000201     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000201     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000201     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000202     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000202     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000202     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000202     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000203     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000203     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000203     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
```

```
   EMISFACT A0000203     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000204     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000204     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000204     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000204     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000205     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000205     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000205     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000205     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000206     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000206     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000206     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000206     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000207     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000207     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000207     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000207     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000208     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000208     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000208     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000208     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000209     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000209     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000209     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000209     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000210     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000210     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000210     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000210     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000211     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000211     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000211     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000211     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000212     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000212     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000212     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000212     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000213     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000213     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000213     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000213     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000214     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000214     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000214     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000214     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
**********************************
** AERMOD Receptor Pathway
**********************************
**
**
RE STARTING
   INCLUDED Tracy-Lathrop_S2_operation_2025_DPM.rou
RE FINISHED
**
**********************************
** AERMOD Meteorology Pathway
**********************************
**
**
ME STARTING
   SURFFILE ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Modesto_23258\Modesto_12-16.SFC
   PROFFILE ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Modesto_23258\Modesto_12-16.PFL
   SURFDATA 23258 2012
   UAIRDATA 23230 2012 OAKLAND/WSO_AP
   PROFBASE 30.0 METERS
ME FINISHED
**
**********************************
** AERMOD Output Pathway
**********************************
**
**
OU STARTING
   PLOTFILE ANNUAL ALL TRACY-LATHROP_S2_OPERATION_2025_DPM.AD\Tracy-Lathrop_S2_operation_2025_annual_DPM.PLT 31
   SUMMFILE Tracy-Lathrop_S2_operation_2025_DPM.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
```

```
ME W186    1411       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50

**********************************
*** SETUP Finishes Successfully ***
**********************************
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

**Model Is Setup For Calculation of Average CONCentration Values.

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for   214 Source(s),
  for Total of   1 Urban Area(s):
  Urban Population =   538000.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Full Conversion Assumed for NO2.
        6. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:
        FASTAREA - Use hybrid approach to optimize AREA sources;
                   also applies to LINE sources (formerly TOXICS option)
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 214 Source(s);   1 Source Group(s); and   1466 Receptor(s)

               with: 0 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 0 VOLUME source(s)
                and: 214 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with   0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   30.00 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   3.8 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: Tracy-Lathrop_S2_operation_2025_DPM.err
**File for Summary of Results: Tracy-Lathrop_S2_operation_2025_DPM.sum

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000001	0	0.14705E-07	648414.8	4183385.5	8.2	5.87	86.38	9.10	-20.22	1.37	YES	HROFDY
A0000002	0	0.14705E-07	648495.9	4183415.3	8.2	5.87	86.38	9.10	-20.22	1.37	YES	HROFDY
A0000003	0	0.14705E-07	648576.9	4183445.2	8.3	5.87	86.38	9.10	-20.22	1.37	YES	HROFDY
A0000004	0	0.14705E-07	648658.0	4183475.0	8.7	5.87	86.38	9.10	-20.22	1.37	YES	HROFDY
A0000005	0	0.14705E-07	648739.0	4183504.9	9.2	5.87	86.38	9.10	-20.22	1.37	YES	HROFDY
A0000006	0	0.14705E-07	648820.1	4183534.8	9.0	5.87	86.38	9.10	-20.22	1.37	YES	HROFDY
A0000007	0	0.14705E-07	648901.1	4183564.6	10.0	5.87	86.38	9.10	-20.22	1.37	YES	HROFDY
A0000008	0	0.14705E-07	648982.2	4183594.5	1.4	5.87	86.38	9.10	-20.22	1.37	YES	HROFDY
A0000009	0	0.14705E-07	649063.2	4183624.3	9.1	5.87	83.49	9.10	-19.92	1.37	YES	HROFDY
A0000010	0	0.14705E-07	649141.7	4183652.8	8.4	5.87	83.49	9.10	-19.92	1.37	YES	HROFDY
A0000011	0	0.14705E-07	649220.2	4183681.2	8.5	5.87	83.49	9.10	-19.92	1.37	YES	HROFDY
A0000012	0	0.14705E-07	649298.7	4183709.7	8.9	5.87	83.49	9.10	-19.92	1.37	YES	HROFDY
A0000013	0	0.14705E-07	649377.2	4183738.1	7.2	5.87	83.49	9.10	-19.92	1.37	YES	HROFDY
A0000014	0	0.14705E-07	649455.7	4183766.5	8.3	5.87	83.49	9.10	-19.92	1.37	YES	HROFDY
A0000015	0	0.14705E-07	649534.2	4183795.0	9.2	5.87	83.49	9.10	-19.92	1.37	YES	HROFDY
A0000016	0	0.14705E-07	649612.7	4183823.4	8.1	5.87	83.49	9.10	-19.92	1.37	YES	HROFDY
A0000017	0	0.14705E-07	649691.2	4183851.9	7.9	5.87	83.49	9.10	-19.92	1.37	YES	HROFDY
A0000018	0	0.14705E-07	649769.7	4183880.3	6.8	5.87	83.49	9.10	-19.92	1.37	YES	HROFDY
A0000019	0	0.14705E-07	649848.1	4183908.7	6.6	5.87	80.35	9.10	-19.29	1.37	YES	HROFDY
A0000020	0	0.14705E-07	649924.0	4183935.3	6.3	5.87	80.35	9.10	-19.29	1.37	YES	HROFDY
A0000021	0	0.14705E-07	649999.8	4183961.8	7.1	5.87	80.35	9.10	-19.29	1.37	YES	HROFDY
A0000022	0	0.14705E-07	650075.6	4183988.4	6.5	5.87	80.35	9.10	-19.29	1.37	YES	HROFDY
A0000023	0	0.14705E-07	650151.5	4184014.9	7.7	5.87	80.35	9.10	-19.29	1.37	YES	HROFDY
A0000024	0	0.14705E-07	650227.3	4184041.5	7.8	5.87	80.35	9.10	-19.29	1.37	YES	HROFDY
A0000025	0	0.14705E-07	650303.2	4184068.0	7.5	5.87	87.08	9.10	-19.86	1.37	YES	HROFDY
A0000026	0	0.14705E-07	650385.1	4184097.6	6.8	5.87	87.08	9.10	-19.86	1.37	YES	HROFDY
A0000027	0	0.14705E-07	650467.0	4184127.2	6.4	5.87	87.08	9.10	-19.86	1.37	YES	HROFDY
A0000028	0	0.14705E-07	650548.9	4184156.7	6.6	5.87	87.08	9.10	-19.86	1.37	YES	HROFDY
A0000029	0	0.14705E-07	650630.8	4184186.3	6.6	5.87	87.08	9.10	-19.86	1.37	YES	HROFDY
A0000030	0	0.14705E-07	650713.0	4184216.0	6.1	5.87	71.33	9.10	-23.50	1.37	YES	HROFDY
A0000031	0	0.14705E-07	650778.4	4184244.4	6.0	5.87	71.33	9.10	-23.50	1.37	YES	HROFDY
A0000032	0	0.14705E-07	650843.8	4184272.9	6.4	5.87	71.33	9.10	-23.50	1.37	YES	HROFDY
A0000033	0	0.14705E-07	650909.2	4184301.3	6.9	5.87	71.33	9.10	-23.50	1.37	YES	HROFDY
A0000034	0	0.14705E-07	650975.7	4184330.4	7.1	5.87	68.85	9.10	-38.29	1.37	YES	HROFDY
A0000035	0	0.14705E-07	651029.7	4184373.0	7.0	5.87	68.85	9.10	-38.29	1.37	YES	HROFDY
A0000036	0	0.14705E-07	651083.7	4184415.7	6.4	5.87	68.85	9.10	-38.29	1.37	YES	HROFDY
A0000037	0	0.14705E-07	651137.8	4184458.4	5.8	5.87	68.85	9.10	-38.29	1.37	YES	HROFDY
A0000038	0	0.14705E-07	651191.9	4184501.1	6.3	5.87	74.65	9.10	-40.37	1.37	YES	HROFDY
A0000039	0	0.14705E-07	651248.8	4184549.5	5.8	5.87	74.65	9.10	-40.37	1.37	YES	HROFDY
A0000040	0	0.14705E-07	651305.7	4184597.8	5.9	5.87	74.65	9.10	-40.37	1.37	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000041	0	0.14705E-07	651362.6	4184646.2	7.7	5.87	74.65	9.10	-40.37	1.37	YES	HROFDY
A0000042	0	0.14705E-07	651420.2	4184695.4	6.9	5.87	69.43	9.10	-55.01	1.37	YES	HROFDY
A0000043	0	0.14705E-07	651460.1	4184752.2	6.2	5.87	69.43	9.10	-55.01	1.37	YES	HROFDY
A0000044	0	0.14705E-07	651499.9	4184809.1	5.5	5.87	69.43	9.10	-55.01	1.37	YES	HROFDY
A0000045	0	0.14705E-07	651539.7	4184866.0	5.5	5.87	69.43	9.10	-55.01	1.37	YES	HROFDY
A0000046	0	0.14705E-07	651579.8	4184923.4	5.8	5.87	89.90	9.10	-62.35	1.37	YES	HROFDY
A0000047	0	0.14705E-07	651621.5	4185003.0	6.5	5.87	89.90	9.10	-62.35	1.37	YES	HROFDY
A0000048	0	0.14705E-07	651663.2	4185082.7	6.6	5.87	89.90	9.10	-62.35	1.37	YES	HROFDY
A0000049	0	0.14705E-07	651705.2	4185162.9	7.5	5.87	78.25	9.10	-70.91	1.37	YES	HROFDY
A0000050	0	0.14705E-07	651730.8	4185236.9	7.3	5.87	78.25	9.10	-70.91	1.37	YES	HROFDY
A0000051	0	0.14705E-07	651756.4	4185310.8	7.4	5.87	78.25	9.10	-70.91	1.37	YES	HROFDY
A0000052	0	0.14705E-07	651782.0	4185384.7	8.0	5.87	78.25	9.10	-70.91	1.37	YES	HROFDY
A0000053	0	0.14705E-07	651807.8	4185459.4	6.7	5.87	69.20	9.10	-80.54	1.37	YES	HROFDY
A0000054	0	0.14705E-07	651819.2	4185527.7	7.5	5.87	69.20	9.10	-80.54	1.37	YES	HROFDY
A0000055	0	0.14705E-07	651830.6	4185596.2	7.2	5.87	68.68	9.10	-83.66	1.37	YES	HROFDY
A0000056	0	0.14705E-07	651838.2	4185664.4	6.1	5.87	68.68	9.10	-83.66	1.37	YES	HROFDY
A0000057	0	0.14705E-07	651845.7	4185732.7	5.8	5.87	68.68	9.10	-83.66	1.37	YES	HROFDY
A0000058	0	0.14705E-07	651853.4	4185801.5	5.6	5.87	85.33	9.10	-90.95	1.37	YES	HROFDY
A0000059	0	0.14705E-07	651851.9	4185886.9	5.7	5.87	85.33	9.10	-90.95	1.37	YES	HROFDY
A0000060	0	0.14705E-07	651850.5	4185972.2	6.1	5.87	85.33	9.10	-90.95	1.37	YES	HROFDY
A0000061	0	0.14705E-07	651849.1	4186057.5	6.4	5.87	85.33	9.10	-90.95	1.37	YES	HROFDY
A0000062	0	0.14705E-07	651847.7	4186142.8	6.5	5.87	85.33	9.10	-90.95	1.37	YES	HROFDY
A0000063	0	0.14705E-07	651846.2	4186228.1	6.6	5.87	85.33	9.10	-90.95	1.37	YES	HROFDY
A0000064	0	0.14705E-07	651844.8	4186313.5	6.8	5.87	85.33	9.10	-90.95	1.37	YES	HROFDY
A0000065	0	0.14705E-07	651843.4	4186398.8	6.8	5.87	85.33	9.10	-90.95	1.37	YES	HROFDY
A0000066	0	0.14705E-07	651842.0	4186484.0	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000067	0	0.14705E-07	651841.5	4186573.6	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000068	0	0.14705E-07	651841.0	4186663.1	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000069	0	0.14705E-07	651840.5	4186752.6	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000070	0	0.14705E-07	651840.0	4186842.1	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000071	0	0.14705E-07	651839.5	4186931.7	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000072	0	0.14705E-07	651839.0	4187021.2	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000073	0	0.14705E-07	651838.5	4187110.7	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000074	0	0.14705E-07	651838.0	4187200.2	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000075	0	0.14705E-07	651837.5	4187289.8	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000076	0	0.14705E-07	651837.0	4187379.3	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000077	0	0.14705E-07	651836.5	4187468.8	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000078	0	0.14705E-07	651836.0	4187558.3	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000079	0	0.14705E-07	651835.5	4187647.9	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000080	0	0.14705E-07	651835.1	4187737.4	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000081	0	0.14705E-07	651834.6	4187826.9	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000082	0	0.14705E-07	651834.1	4187916.4	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000083	0	0.14705E-07	651833.6	4188006.0	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000084	0	0.14705E-07	651833.1	4188095.5	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000085	0	0.14705E-07	651832.6	4188185.0	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000086	0	0.14705E-07	651832.1	4188274.5	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000087	0	0.14705E-07	651831.6	4188364.1	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000088	0	0.14705E-07	651831.1	4188453.6	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000089	0	0.14705E-07	651830.6	4188543.2	6.8	5.87	90.43	9.10	-91.14	1.37	YES	HROFDY
A0000090	0	0.14705E-07	651828.8	4188633.6	6.8	5.87	90.43	9.10	-91.14	1.37	YES	HROFDY
A0000091	0	0.14705E-07	651827.0	4188724.0	6.8	5.87	90.43	9.10	-91.14	1.37	YES	HROFDY
A0000092	0	0.14705E-07	651825.2	4188814.4	6.8	5.87	90.43	9.10	-91.14	1.37	YES	HROFDY
A0000093	0	0.14705E-07	651823.4	4188904.8	6.8	5.87	90.43	9.10	-91.14	1.37	YES	HROFDY
A0000094	0	0.14705E-07	651821.6	4188995.2	6.8	5.87	90.43	9.10	-91.14	1.37	YES	HROFDY
A0000095	0	0.14705E-07	651819.8	4189085.6	6.8	5.87	90.43	9.10	-91.14	1.37	YES	HROFDY
A0000096	0	0.14705E-07	651818.0	4189176.1	6.8	5.87	90.43	9.10	-91.14	1.37	YES	HROFDY
A0000097	0	0.14705E-07	651816.2	4189266.5	6.8	5.87	90.43	9.10	-91.14	1.37	YES	HROFDY
A0000098	0	0.14705E-07	651814.4	4189356.9	6.8	5.87	90.43	9.10	-91.14	1.37	YES	HROFDY
A0000099	0	0.14705E-07	651812.6	4189447.3	6.8	5.87	90.43	9.10	-91.14	1.37	YES	HROFDY
A0000100	0	0.14705E-07	651810.8	4189537.7	6.8	5.87	90.43	9.10	-91.14	1.37	YES	HROFDY
A0000101	0	0.14705E-07	651809.0	4189628.1	6.8	5.87	90.43	9.10	-91.14	1.37	YES	HROFDY
A0000102	0	0.14705E-07	651807.2	4189718.5	6.8	5.87	90.43	9.10	-91.14	1.37	YES	HROFDY
A0000103	0	0.14705E-07	651805.5	4189808.9	6.8	5.87	90.43	9.10	-91.14	1.37	YES	HROFDY
A0000104	0	0.14705E-07	651803.7	4189899.3	6.8	5.87	90.43	9.10	-91.14	1.37	YES	HROFDY
A0000105	0	0.14705E-07	651801.9	4189989.7	6.8	5.87	90.43	9.10	-91.14	1.37	YES	HROFDY
A0000106	0	0.14705E-07	651800.1	4190080.1	6.8	5.87	90.43	9.10	-91.14	1.37	YES	HROFDY
A0000107	0	0.14705E-07	651798.3	4190170.6	6.8	5.87	90.43	9.10	-91.14	1.37	YES	HROFDY
A0000108	0	0.14705E-07	648414.8	4183385.5	8.2	10.98	86.38	9.10	-20.22	2.55	YES	HROFDY
A0000109	0	0.14705E-07	648495.9	4183415.3	8.2	10.98	86.38	9.10	-20.22	2.55	YES	HROFDY
A0000110	0	0.14705E-07	648576.9	4183445.2	8.3	10.98	86.38	9.10	-20.22	2.55	YES	HROFDY
A0000111	0	0.14705E-07	648658.0	4183475.0	8.7	10.98	86.38	9.10	-20.22	2.55	YES	HROFDY
A0000112	0	0.14705E-07	648739.0	4183504.9	9.2	10.98	86.38	9.10	-20.22	2.55	YES	HROFDY
A0000113	0	0.14705E-07	648820.1	4183534.8	9.0	10.98	86.38	9.10	-20.22	2.55	YES	HROFDY
A0000114	0	0.14705E-07	648901.1	4183564.6	10.0	10.98	86.38	9.10	-20.22	2.55	YES	HROFDY
A0000115	0	0.14705E-07	648982.2	4183594.5	1.4	10.98	86.38	9.10	-20.22	2.55	YES	HROFDY
A0000116	0	0.14705E-07	649063.2	4183624.3	9.1	10.98	83.49	9.10	-19.92	2.55	YES	HROFDY
A0000117	0	0.14705E-07	649141.7	4183652.8	8.4	10.98	83.49	9.10	-19.92	2.55	YES	HROFDY
A0000118	0	0.14705E-07	649220.2	4183681.2	8.5	10.98	83.49	9.10	-19.92	2.55	YES	HROFDY
A0000119	0	0.14705E-07	649298.7	4183709.7	8.9	10.98	83.49	9.10	-19.92	2.55	YES	HROFDY
A0000120	0	0.14705E-07	649377.2	4183738.1	7.2	10.98	83.49	9.10	-19.92	2.55	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000121	0	0.14705E-07	649455.7	4183766.5	8.3	10.98	83.49	9.10	-19.92	2.55	YES	HROFDY
A0000122	0	0.14705E-07	649534.2	4183795.0	9.2	10.98	83.49	9.10	-19.92	2.55	YES	HROFDY
A0000123	0	0.14705E-07	649612.7	4183823.4	8.1	10.98	83.49	9.10	-19.92	2.55	YES	HROFDY
A0000124	0	0.14705E-07	649691.2	4183851.9	7.9	10.98	83.49	9.10	-19.92	2.55	YES	HROFDY
A0000125	0	0.14705E-07	649769.7	4183880.3	6.8	10.98	83.49	9.10	-19.92	2.55	YES	HROFDY
A0000126	0	0.14705E-07	649848.1	4183908.7	6.6	10.98	80.35	9.10	-19.29	2.55	YES	HROFDY
A0000127	0	0.14705E-07	649924.0	4183935.3	6.3	10.98	80.35	9.10	-19.29	2.55	YES	HROFDY
A0000128	0	0.14705E-07	649999.8	4183961.8	7.1	10.98	80.35	9.10	-19.29	2.55	YES	HROFDY
A0000129	0	0.14705E-07	650075.6	4183988.4	6.5	10.98	80.35	9.10	-19.29	2.55	YES	HROFDY
A0000130	0	0.14705E-07	650151.5	4184014.9	7.7	10.98	80.35	9.10	-19.29	2.55	YES	HROFDY
A0000131	0	0.14705E-07	650227.3	4184041.5	7.8	10.98	80.35	9.10	-19.29	2.55	YES	HROFDY
A0000132	0	0.14705E-07	650303.2	4184068.0	7.5	10.98	87.08	9.10	-19.86	2.55	YES	HROFDY
A0000133	0	0.14705E-07	650385.1	4184097.6	6.8	10.98	87.08	9.10	-19.86	2.55	YES	HROFDY
A0000134	0	0.14705E-07	650467.0	4184127.2	6.4	10.98	87.08	9.10	-19.86	2.55	YES	HROFDY
A0000135	0	0.14705E-07	650548.9	4184156.7	6.6	10.98	87.08	9.10	-19.86	2.55	YES	HROFDY
A0000136	0	0.14705E-07	650630.8	4184186.3	6.6	10.98	87.08	9.10	-19.86	2.55	YES	HROFDY
A0000137	0	0.14705E-07	650713.0	4184216.0	6.1	10.98	71.33	9.10	-23.50	2.55	YES	HROFDY
A0000138	0	0.14705E-07	650778.4	4184244.4	6.0	10.98	71.33	9.10	-23.50	2.55	YES	HROFDY
A0000139	0	0.14705E-07	650843.8	4184272.9	6.4	10.98	71.33	9.10	-23.50	2.55	YES	HROFDY
A0000140	0	0.14705E-07	650909.2	4184301.3	6.9	10.98	71.33	9.10	-23.50	2.55	YES	HROFDY
A0000141	0	0.14705E-07	650975.7	4184330.4	7.1	10.98	68.85	9.10	-38.29	2.55	YES	HROFDY
A0000142	0	0.14705E-07	651029.7	4184373.0	7.0	10.98	68.85	9.10	-38.29	2.55	YES	HROFDY
A0000143	0	0.14705E-07	651083.7	4184415.7	6.4	10.98	68.85	9.10	-38.29	2.55	YES	HROFDY
A0000144	0	0.14705E-07	651137.8	4184458.4	5.8	10.98	68.85	9.10	-38.29	2.55	YES	HROFDY
A0000145	0	0.14705E-07	651191.9	4184501.1	6.3	10.98	74.65	9.10	-40.37	2.55	YES	HROFDY
A0000146	0	0.14705E-07	651248.8	4184549.5	5.8	10.98	74.65	9.10	-40.37	2.55	YES	HROFDY
A0000147	0	0.14705E-07	651305.7	4184597.8	5.9	10.98	74.65	9.10	-40.37	2.55	YES	HROFDY
A0000148	0	0.14705E-07	651362.6	4184646.2	7.7	10.98	74.65	9.10	-40.37	2.55	YES	HROFDY
A0000149	0	0.14705E-07	651420.2	4184695.4	6.9	10.98	69.43	9.10	-55.01	2.55	YES	HROFDY
A0000150	0	0.14705E-07	651460.1	4184752.2	6.2	10.98	69.43	9.10	-55.01	2.55	YES	HROFDY
A0000151	0	0.14705E-07	651499.9	4184809.1	5.5	10.98	69.43	9.10	-55.01	2.55	YES	HROFDY
A0000152	0	0.14705E-07	651539.7	4184866.0	5.5	10.98	69.43	9.10	-55.01	2.55	YES	HROFDY
A0000153	0	0.14705E-07	651579.8	4184923.4	5.8	10.98	89.90	9.10	-62.35	2.55	YES	HROFDY
A0000154	0	0.14705E-07	651621.5	4185003.0	6.5	10.98	89.90	9.10	-62.35	2.55	YES	HROFDY
A0000155	0	0.14705E-07	651663.2	4185082.7	6.6	10.98	89.90	9.10	-62.35	2.55	YES	HROFDY
A0000156	0	0.14705E-07	651705.2	4185162.9	7.5	10.98	78.25	9.10	-70.91	2.55	YES	HROFDY
A0000157	0	0.14705E-07	651730.8	4185236.9	7.3	10.98	78.25	9.10	-70.91	2.55	YES	HROFDY
A0000158	0	0.14705E-07	651756.4	4185310.8	7.4	10.98	78.25	9.10	-70.91	2.55	YES	HROFDY
A0000159	0	0.14705E-07	651782.0	4185384.7	8.0	10.98	78.25	9.10	-70.91	2.55	YES	HROFDY
A0000160	0	0.14705E-07	651807.8	4185459.4	6.7	10.98	69.20	9.10	-80.54	2.55	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000161	0	0.14705E-07	651819.2	4185527.7	7.5	10.98	69.20	9.10	-80.54	2.55	YES	HROFDY
A0000162	0	0.14705E-07	651830.6	4185596.2	7.2	10.98	68.68	9.10	-83.66	2.55	YES	HROFDY
A0000163	0	0.14705E-07	651838.2	4185664.4	6.1	10.98	68.68	9.10	-83.66	2.55	YES	HROFDY
A0000164	0	0.14705E-07	651845.7	4185732.7	5.8	10.98	68.68	9.10	-83.66	2.55	YES	HROFDY
A0000165	0	0.14705E-07	651853.4	4185801.5	5.6	10.98	85.33	9.10	-90.95	2.55	YES	HROFDY
A0000166	0	0.14705E-07	651851.9	4185886.9	5.7	10.98	85.33	9.10	-90.95	2.55	YES	HROFDY
A0000167	0	0.14705E-07	651850.5	4185972.2	6.1	10.98	85.33	9.10	-90.95	2.55	YES	HROFDY
A0000168	0	0.14705E-07	651849.1	4186057.5	6.4	10.98	85.33	9.10	-90.95	2.55	YES	HROFDY
A0000169	0	0.14705E-07	651847.7	4186142.8	6.5	10.98	85.33	9.10	-90.95	2.55	YES	HROFDY
A0000170	0	0.14705E-07	651846.2	4186228.1	6.6	10.98	85.33	9.10	-90.95	2.55	YES	HROFDY
A0000171	0	0.14705E-07	651844.8	4186313.5	6.8	10.98	85.33	9.10	-90.95	2.55	YES	HROFDY
A0000172	0	0.14705E-07	651843.4	4186398.8	6.8	10.98	85.33	9.10	-90.95	2.55	YES	HROFDY
A0000173	0	0.14705E-07	651842.0	4186484.0	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000174	0	0.14705E-07	651841.5	4186573.6	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000175	0	0.14705E-07	651841.0	4186663.1	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000176	0	0.14705E-07	651840.5	4186752.6	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000177	0	0.14705E-07	651840.0	4186842.1	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000178	0	0.14705E-07	651839.5	4186931.7	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000179	0	0.14705E-07	651839.0	4187021.2	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000180	0	0.14705E-07	651838.5	4187110.7	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000181	0	0.14705E-07	651838.0	4187200.2	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000182	0	0.14705E-07	651837.5	4187289.8	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000183	0	0.14705E-07	651837.0	4187379.3	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000184	0	0.14705E-07	651836.5	4187468.8	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000185	0	0.14705E-07	651836.0	4187558.3	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000186	0	0.14705E-07	651835.5	4187647.9	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000187	0	0.14705E-07	651835.1	4187737.4	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000188	0	0.14705E-07	651834.6	4187826.9	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000189	0	0.14705E-07	651834.1	4187916.4	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000190	0	0.14705E-07	651833.6	4188006.0	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000191	0	0.14705E-07	651833.1	4188095.5	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000192	0	0.14705E-07	651832.6	4188185.0	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000193	0	0.14705E-07	651832.1	4188274.5	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000194	0	0.14705E-07	651831.6	4188364.1	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000195	0	0.14705E-07	651831.1	4188453.6	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000196	0	0.14705E-07	651830.6	4188543.2	6.8	10.98	90.43	9.10	-91.14	2.55	YES	HROFDY
A0000197	0	0.14705E-07	651828.8	4188633.6	6.8	10.98	90.43	9.10	-91.14	2.55	YES	HROFDY
A0000198	0	0.14705E-07	651827.0	4188724.0	6.8	10.98	90.43	9.10	-91.14	2.55	YES	HROFDY
A0000199	0	0.14705E-07	651825.2	4188814.4	6.8	10.98	90.43	9.10	-91.14	2.55	YES	HROFDY
A0000200	0	0.14705E-07	651823.4	4188904.8	6.8	10.98	90.43	9.10	-91.14	2.55	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000201	0	0.14705E-07	651821.6	4188995.2	6.8	10.98	90.43	9.10	-91.14	2.55	YES	HROFDY
A0000202	0	0.14705E-07	651819.8	4189085.6	6.8	10.98	90.43	9.10	-91.14	2.55	YES	HROFDY
A0000203	0	0.14705E-07	651818.0	4189176.1	6.8	10.98	90.43	9.10	-91.14	2.55	YES	HROFDY
A0000204	0	0.14705E-07	651816.2	4189266.5	6.8	10.98	90.43	9.10	-91.14	2.55	YES	HROFDY
A0000205	0	0.14705E-07	651814.4	4189356.9	6.8	10.98	90.43	9.10	-91.14	2.55	YES	HROFDY
A0000206	0	0.14705E-07	651812.6	4189447.3	6.8	10.98	90.43	9.10	-91.14	2.55	YES	HROFDY
A0000207	0	0.14705E-07	651810.8	4189537.7	6.8	10.98	90.43	9.10	-91.14	2.55	YES	HROFDY
A0000208	0	0.14705E-07	651809.0	4189628.1	6.8	10.98	90.43	9.10	-91.14	2.55	YES	HROFDY
A0000209	0	0.14705E-07	651807.2	4189718.5	6.8	10.98	90.43	9.10	-91.14	2.55	YES	HROFDY
A0000210	0	0.14705E-07	651805.5	4189808.9	6.8	10.98	90.43	9.10	-91.14	2.55	YES	HROFDY
A0000211	0	0.14705E-07	651803.7	4189899.3	6.8	10.98	90.43	9.10	-91.14	2.55	YES	HROFDY
A0000212	0	0.14705E-07	651801.9	4189989.7	6.8	10.98	90.43	9.10	-91.14	2.55	YES	HROFDY
A0000213	0	0.14705E-07	651800.1	4190080.1	6.8	10.98	90.43	9.10	-91.14	2.55	YES	HROFDY
A0000214	0	0.14705E-07	651798.3	4190170.6	6.8	10.98	90.43	9.10	-91.14	2.55	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	A0000001 , A0000002 , A0000003 , A0000004 , A0000005 , A0000006 , A0000007 , A0000008 ,
	A0000009 , A0000010 , A0000011 , A0000012 , A0000013 , A0000014 , A0000015 , A0000016 ,
	A0000017 , A0000018 , A0000019 , A0000020 , A0000021 , A0000022 , A0000023 , A0000024 ,
	A0000025 , A0000026 , A0000027 , A0000028 , A0000029 , A0000030 , A0000031 , A0000032 ,
	A0000033 , A0000034 , A0000035 , A0000036 , A0000037 , A0000038 , A0000039 , A0000040 ,
	A0000041 , A0000042 , A0000043 , A0000044 , A0000045 , A0000046 , A0000047 , A0000048 ,
	A0000049 , A0000050 , A0000051 , A0000052 , A0000053 , A0000054 , A0000055 , A0000056 ,
	A0000057 , A0000058 , A0000059 , A0000060 , A0000061 , A0000062 , A0000063 , A0000064 ,
	A0000065 , A0000066 , A0000067 , A0000068 , A0000069 , A0000070 , A0000071 , A0000072 ,
	A0000073 , A0000074 , A0000075 , A0000076 , A0000077 , A0000078 , A0000079 , A0000080 ,
	A0000081 , A0000082 , A0000083 , A0000084 , A0000085 , A0000086 , A0000087 , A0000088 ,
	A0000089 , A0000090 , A0000091 , A0000092 , A0000093 , A0000094 , A0000095 , A0000096 ,
	A0000097 , A0000098 , A0000099 , A0000100 , A0000101 , A0000102 , A0000103 , A0000104 ,
	A0000105 , A0000106 , A0000107 , A0000108 , A0000109 , A0000110 , A0000111 , A0000112 ,
	A0000113 , A0000114 , A0000115 , A0000116 , A0000117 , A0000118 , A0000119 , A0000120 ,
	A0000121 , A0000122 , A0000123 , A0000124 , A0000125 , A0000126 , A0000127 , A0000128 ,
	A0000129 , A0000130 , A0000131 , A0000132 , A0000133 , A0000134 , A0000135 , A0000136 ,
	A0000137 , A0000138 , A0000139 , A0000140 , A0000141 , A0000142 , A0000143 , A0000144 ,
	A0000145 , A0000146 , A0000147 , A0000148 , A0000149 , A0000150 , A0000151 , A0000152 ,
	A0000153 , A0000154 , A0000155 , A0000156 , A0000157 , A0000158 , A0000159 , A0000160 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	A0000161 , A0000162 , A0000163 , A0000164 , A0000165 , A0000166 , A0000167 , A0000168 ,
	A0000169 , A0000170 , A0000171 , A0000172 , A0000173 , A0000174 , A0000175 , A0000176 ,
	A0000177 , A0000178 , A0000179 , A0000180 , A0000181 , A0000182 , A0000183 , A0000184 ,
	A0000185 , A0000186 , A0000187 , A0000188 , A0000189 , A0000190 , A0000191 , A0000192 ,
	A0000193 , A0000194 , A0000195 , A0000196 , A0000197 , A0000198 , A0000199 , A0000200 ,
	A0000201 , A0000202 , A0000203 , A0000204 , A0000205 , A0000206 , A0000207 , A0000208 ,
	A0000209 , A0000210 , A0000211 , A0000212 , A0000213 , A0000214 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	538000.	A0000001 , A0000002 , A0000003 , A0000004 , A0000005 , A0000006 , A0000007 , A0000008 ,
		A0000009 , A0000010 , A0000011 , A0000012 , A0000013 , A0000014 , A0000015 , A0000016 ,
		A0000017 , A0000018 , A0000019 , A0000020 , A0000021 , A0000022 , A0000023 , A0000024 ,
		A0000025 , A0000026 , A0000027 , A0000028 , A0000029 , A0000030 , A0000031 , A0000032 ,
		A0000033 , A0000034 , A0000035 , A0000036 , A0000037 , A0000038 , A0000039 , A0000040 ,
		A0000041 , A0000042 , A0000043 , A0000044 , A0000045 , A0000046 , A0000047 , A0000048 ,
		A0000049 , A0000050 , A0000051 , A0000052 , A0000053 , A0000054 , A0000055 , A0000056 ,
		A0000057 , A0000058 , A0000059 , A0000060 , A0000061 , A0000062 , A0000063 , A0000064 ,
		A0000065 , A0000066 , A0000067 , A0000068 , A0000069 , A0000070 , A0000071 , A0000072 ,
		A0000073 , A0000074 , A0000075 , A0000076 , A0000077 , A0000078 , A0000079 , A0000080 ,
		A0000081 , A0000082 , A0000083 , A0000084 , A0000085 , A0000086 , A0000087 , A0000088 ,
		A0000089 , A0000090 , A0000091 , A0000092 , A0000093 , A0000094 , A0000095 , A0000096 ,
		A0000097 , A0000098 , A0000099 , A0000100 , A0000101 , A0000102 , A0000103 , A0000104 ,
		A0000105 , A0000106 , A0000107 , A0000108 , A0000109 , A0000110 , A0000111 , A0000112 ,
		A0000113 , A0000114 , A0000115 , A0000116 , A0000117 , A0000118 , A0000119 , A0000120 ,
		A0000121 , A0000122 , A0000123 , A0000124 , A0000125 , A0000126 , A0000127 , A0000128 ,
		A0000129 , A0000130 , A0000131 , A0000132 , A0000133 , A0000134 , A0000135 , A0000136 ,
		A0000137 , A0000138 , A0000139 , A0000140 , A0000141 , A0000142 , A0000143 , A0000144 ,
		A0000145 , A0000146 , A0000147 , A0000148 , A0000149 , A0000150 , A0000151 , A0000152 ,
		A0000153 , A0000154 , A0000155 , A0000156 , A0000157 , A0000158 , A0000159 , A0000160 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
		A0000161 , A0000162 , A0000163 , A0000164 , A0000165 , A0000166 , A0000167 , A0000168 ,
		A0000169 , A0000170 , A0000171 , A0000172 , A0000173 , A0000174 , A0000175 , A0000176 ,
		A0000177 , A0000178 , A0000179 , A0000180 , A0000181 , A0000182 , A0000183 , A0000184 ,
		A0000185 , A0000186 , A0000187 , A0000188 , A0000189 , A0000190 , A0000191 , A0000192 ,
		A0000193 , A0000194 , A0000195 , A0000196 , A0000197 , A0000198 , A0000199 , A0000200 ,
		A0000201 , A0000202 , A0000203 , A0000204 , A0000205 , A0000206 , A0000207 , A0000208 ,
		A0000209 , A0000210 , A0000211 , A0000212 , A0000213 , A0000214 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000001 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000002 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000003 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000004 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000005 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000006 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000007 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000008 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000009 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000010 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000011 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000012 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000013 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000014 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000015 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000016 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000017 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000018 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000019 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000020 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000021 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000022 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000023 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000024 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000025 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000026 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000027 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000028 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000029 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000030 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000031 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000032 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000033 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000034 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000035 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000036 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000037 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000038 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000039 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000040 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000041 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000042 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000043 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000044 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000045 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000046 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000047 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000048 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000049 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000050 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000051 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000052 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000053 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000054 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000055 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000056 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000057 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000058 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000059 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000060 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SOURCE ID = A0000061 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = A0000062 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = A0000063 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = A0000064 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = A0000065 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000066 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000067 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000068 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000069 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000070 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000071 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000072 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000073 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000074 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000075 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000076 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000077 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000078 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000079 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000080 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000081 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000082 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000083 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000084 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000085 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000086 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000087 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000088 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000089 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000090 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000091 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000092 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000093 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000094 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000095 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000096 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000097 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000098 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000099 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000100 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000101 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000102 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000103 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000104 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000105 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000106 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000107 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000108 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000109 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000110 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000111 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000112 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000113 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000114 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000115 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000116 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000117 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000118 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000119 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000120 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000121 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000122 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000123 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000124 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000125 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000126 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000127 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000128 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000129 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000130 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000131 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000132 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000133 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000134 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000135 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000136 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000137 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000138 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000139 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000140 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000141 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000142 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000143 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000144 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000145 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000146 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000147 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000148 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000149 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000150 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000151 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000152 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000153 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000154 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000155 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000156 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000157 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000158 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000159 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000160 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000161 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000162 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000163 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000164 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000165 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000166 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000167 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000168 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000169 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000170 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000171 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000172 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000173 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000174 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000175 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000176 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000177 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000178 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000179 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000180 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000181 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000182 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000183 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000184 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000185 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000186 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000187 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000188 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000189 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000190 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000191 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000192 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000193 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000194 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000195 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000196 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000197 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000198 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000199 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000200 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000201 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000202 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000203 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000204 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000205 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000206 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000207 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000208 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000209 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000210 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000211 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000212 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000213 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000214 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	651550.0,	4188000.0,	5.3,	5.3,	0.0);	(651575.0,	4188000.0,	5.3,	5.3,	0.0);
(	651600.0,	4188000.0,	5.3,	5.3,	0.0);	(651625.0,	4188000.0,	5.3,	5.3,	0.0);
(	651650.0,	4188000.0,	5.3,	5.3,	0.0);	(651675.0,	4188000.0,	5.3,	5.3,	0.0);
(	651700.0,	4188000.0,	5.3,	5.3,	0.0);	(651725.0,	4188000.0,	5.3,	5.3,	0.0);
(	651550.0,	4188025.0,	5.3,	5.3,	0.0);	(651575.0,	4188025.0,	5.3,	5.3,	0.0);
(	651600.0,	4188025.0,	5.3,	5.3,	0.0);	(651625.0,	4188025.0,	5.3,	5.3,	0.0);
(	651650.0,	4188025.0,	5.3,	5.3,	0.0);	(651675.0,	4188025.0,	5.3,	5.3,	0.0);
(	651700.0,	4188025.0,	5.3,	5.3,	0.0);	(651725.0,	4188025.0,	5.3,	5.3,	0.0);
(	651550.0,	4188050.0,	5.3,	5.3,	0.0);	(651575.0,	4188050.0,	5.3,	5.3,	0.0);
(	651600.0,	4188050.0,	5.3,	5.3,	0.0);	(651625.0,	4188050.0,	5.3,	5.3,	0.0);
(	651650.0,	4188050.0,	5.3,	5.3,	0.0);	(651675.0,	4188050.0,	5.3,	5.3,	0.0);
(	651700.0,	4188050.0,	5.3,	5.3,	0.0);	(651725.0,	4188050.0,	5.3,	5.3,	0.0);
(	651425.0,	4188075.0,	5.3,	5.3,	0.0);	(651450.0,	4188075.0,	5.3,	5.3,	0.0);
(	651475.0,	4188075.0,	5.3,	5.3,	0.0);	(651500.0,	4188075.0,	5.3,	5.3,	0.0);
(	651525.0,	4188075.0,	5.3,	5.3,	0.0);	(651550.0,	4188075.0,	5.3,	5.3,	0.0);
(	651575.0,	4188075.0,	5.3,	5.3,	0.0);	(651600.0,	4188075.0,	5.3,	5.3,	0.0);
(	651625.0,	4188075.0,	5.3,	5.3,	0.0);	(651650.0,	4188075.0,	5.3,	5.3,	0.0);
(	651675.0,	4188075.0,	5.3,	5.3,	0.0);	(651700.0,	4188075.0,	5.3,	5.3,	0.0);
(	651725.0,	4188075.0,	5.3,	5.3,	0.0);	(651425.0,	4188100.0,	5.3,	5.3,	0.0);
(	651450.0,	4188100.0,	5.3,	5.3,	0.0);	(651475.0,	4188100.0,	5.3,	5.3,	0.0);
(	651500.0,	4188100.0,	5.3,	5.3,	0.0);	(651525.0,	4188100.0,	5.3,	5.3,	0.0);
(	651550.0,	4188100.0,	5.3,	5.3,	0.0);	(651575.0,	4188100.0,	5.3,	5.3,	0.0);
(	651600.0,	4188100.0,	5.3,	5.3,	0.0);	(651625.0,	4188100.0,	5.3,	5.3,	0.0);
(	651650.0,	4188100.0,	5.3,	5.3,	0.0);	(651675.0,	4188100.0,	5.3,	5.3,	0.0);
(	651700.0,	4188100.0,	5.3,	5.3,	0.0);	(651725.0,	4188100.0,	5.3,	5.3,	0.0);
(	651425.0,	4188125.0,	5.3,	5.3,	0.0);	(651450.0,	4188125.0,	5.3,	5.3,	0.0);
(	651475.0,	4188125.0,	5.3,	5.3,	0.0);	(651500.0,	4188125.0,	5.3,	5.3,	0.0);
(	651525.0,	4188125.0,	5.3,	5.3,	0.0);	(651550.0,	4188125.0,	5.3,	5.3,	0.0);
(	651575.0,	4188125.0,	5.3,	5.3,	0.0);	(651600.0,	4188125.0,	5.3,	5.3,	0.0);
(	651625.0,	4188125.0,	5.3,	5.3,	0.0);	(651650.0,	4188125.0,	5.3,	5.3,	0.0);
(	651675.0,	4188125.0,	5.3,	5.3,	0.0);	(651700.0,	4188125.0,	5.3,	5.3,	0.0);
(	651725.0,	4188125.0,	5.3,	5.3,	0.0);	(651425.0,	4188150.0,	5.3,	5.3,	0.0);
(	651450.0,	4188150.0,	5.3,	5.3,	0.0);	(651475.0,	4188150.0,	5.3,	5.3,	0.0);
(	651500.0,	4188150.0,	5.3,	5.3,	0.0);	(651525.0,	4188150.0,	5.3,	5.3,	0.0);
(	651550.0,	4188150.0,	5.3,	5.3,	0.0);	(651575.0,	4188150.0,	5.3,	5.3,	0.0);
(	651600.0,	4188150.0,	5.3,	5.3,	0.0);	(651625.0,	4188150.0,	5.3,	5.3,	0.0);
(	651650.0,	4188150.0,	5.3,	5.3,	0.0);	(651675.0,	4188150.0,	5.3,	5.3,	0.0);
(	651700.0,	4188150.0,	5.3,	5.3,	0.0);	(651725.0,	4188150.0,	5.3,	5.3,	0.0);
(	651425.0,	4188175.0,	5.3,	5.3,	0.0);	(651450.0,	4188175.0,	5.3,	5.3,	0.0);
(	651475.0,	4188175.0,	5.3,	5.3,	0.0);	(651500.0,	4188175.0,	5.3,	5.3,	0.0);
(	651525.0,	4188175.0,	5.3,	5.3,	0.0);	(651550.0,	4188175.0,	5.3,	5.3,	0.0);
(	651575.0,	4188175.0,	5.3,	5.3,	0.0);	(651600.0,	4188175.0,	5.3,	5.3,	0.0);
(	651625.0,	4188175.0,	5.3,	5.3,	0.0);	(651650.0,	4188175.0,	5.3,	5.3,	0.0);
(	651675.0,	4188175.0,	5.3,	5.3,	0.0);	(651700.0,	4188175.0,	5.3,	5.3,	0.0);
(	651725.0,	4188175.0,	5.3,	5.3,	0.0);	(651425.0,	4188200.0,	5.3,	5.3,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(651450.0,	4188200.0,	5.3,	5.3,	0.0);	(651475.0,	4188200.0,	5.3,	5.3,	0.0);
(651500.0,	4188200.0,	5.3,	5.3,	0.0);	(651525.0,	4188200.0,	5.4,	5.4,	0.0);
(651550.0,	4188200.0,	5.4,	5.4,	0.0);	(651575.0,	4188200.0,	5.4,	5.4,	0.0);
(651600.0,	4188200.0,	5.4,	5.4,	0.0);	(651625.0,	4188200.0,	5.4,	5.4,	0.0);
(651650.0,	4188200.0,	5.4,	5.4,	0.0);	(651675.0,	4188200.0,	5.5,	5.5,	0.0);
(651700.0,	4188200.0,	5.5,	5.5,	0.0);	(651725.0,	4188200.0,	5.6,	5.6,	0.0);
(651425.0,	4188225.0,	5.5,	5.5,	0.0);	(651450.0,	4188225.0,	5.5,	5.5,	0.0);
(651475.0,	4188225.0,	5.5,	5.5,	0.0);	(651500.0,	4188225.0,	5.5,	5.5,	0.0);
(651525.0,	4188225.0,	5.6,	5.6,	0.0);	(651550.0,	4188225.0,	5.6,	5.6,	0.0);
(651575.0,	4188225.0,	5.6,	5.6,	0.0);	(651600.0,	4188225.0,	5.6,	5.6,	0.0);
(651625.0,	4188225.0,	5.7,	5.7,	0.0);	(651650.0,	4188225.0,	5.7,	5.7,	0.0);
(651675.0,	4188225.0,	5.7,	5.7,	0.0);	(651700.0,	4188225.0,	5.8,	5.8,	0.0);
(651725.0,	4188225.0,	6.1,	6.1,	0.0);	(651425.0,	4188250.0,	5.6,	5.6,	0.0);
(651450.0,	4188250.0,	5.6,	5.6,	0.0);	(651475.0,	4188250.0,	5.6,	5.6,	0.0);
(651500.0,	4188250.0,	5.7,	5.7,	0.0);	(651525.0,	4188250.0,	5.7,	5.7,	0.0);
(651550.0,	4188250.0,	5.7,	5.7,	0.0);	(651575.0,	4188250.0,	5.8,	5.8,	0.0);
(651600.0,	4188250.0,	5.8,	5.8,	0.0);	(651625.0,	4188250.0,	5.9,	5.9,	0.0);
(651650.0,	4188250.0,	5.9,	5.9,	0.0);	(651675.0,	4188250.0,	6.0,	6.0,	0.0);
(651700.0,	4188250.0,	6.1,	6.1,	0.0);	(651725.0,	4188250.0,	6.3,	6.3,	0.0);
(651425.0,	4188275.0,	5.6,	5.6,	0.0);	(651450.0,	4188275.0,	5.7,	5.7,	0.0);
(651475.0,	4188275.0,	5.7,	5.7,	0.0);	(651500.0,	4188275.0,	5.7,	5.7,	0.0);
(651525.0,	4188275.0,	5.8,	5.8,	0.0);	(651550.0,	4188275.0,	5.8,	5.8,	0.0);
(651575.0,	4188275.0,	5.9,	5.9,	0.0);	(651600.0,	4188275.0,	6.0,	6.0,	0.0);
(651625.0,	4188275.0,	6.0,	6.0,	0.0);	(651650.0,	4188275.0,	6.1,	6.1,	0.0);
(651675.0,	4188275.0,	6.2,	6.2,	0.0);	(651700.0,	4188275.0,	6.3,	6.3,	0.0);
(651725.0,	4188275.0,	6.4,	6.4,	0.0);	(651425.0,	4188300.0,	5.7,	5.7,	0.0);
(651450.0,	4188300.0,	5.7,	5.7,	0.0);	(651475.0,	4188300.0,	5.7,	5.7,	0.0);
(651500.0,	4188300.0,	5.8,	5.8,	0.0);	(651525.0,	4188300.0,	5.8,	5.8,	0.0);
(651550.0,	4188300.0,	5.9,	5.9,	0.0);	(651575.0,	4188300.0,	6.0,	6.0,	0.0);
(651600.0,	4188300.0,	6.0,	6.0,	0.0);	(651625.0,	4188300.0,	6.1,	6.1,	0.0);
(651650.0,	4188300.0,	6.2,	6.2,	0.0);	(651675.0,	4188300.0,	6.3,	6.3,	0.0);
(651700.0,	4188300.0,	6.3,	6.3,	0.0);	(651725.0,	4188300.0,	6.4,	6.4,	0.0);
(651425.0,	4188325.0,	5.7,	5.7,	0.0);	(651450.0,	4188325.0,	5.7,	5.7,	0.0);
(651475.0,	4188325.0,	5.7,	5.7,	0.0);	(651500.0,	4188325.0,	5.8,	5.8,	0.0);
(651525.0,	4188325.0,	5.8,	5.8,	0.0);	(651550.0,	4188325.0,	5.9,	5.9,	0.0);
(651575.0,	4188325.0,	6.0,	6.0,	0.0);	(651600.0,	4188325.0,	6.0,	6.0,	0.0);
(651625.0,	4188325.0,	6.1,	6.1,	0.0);	(651650.0,	4188325.0,	6.2,	6.2,	0.0);
(651675.0,	4188325.0,	6.3,	6.3,	0.0);	(651700.0,	4188325.0,	6.4,	6.4,	0.0);
(651725.0,	4188325.0,	6.4,	6.4,	0.0);	(651425.0,	4188350.0,	5.6,	5.6,	0.0);
(651450.0,	4188350.0,	5.7,	5.7,	0.0);	(651475.0,	4188350.0,	5.7,	5.7,	0.0);
(651500.0,	4188350.0,	5.8,	5.8,	0.0);	(651525.0,	4188350.0,	5.8,	5.8,	0.0);
(651550.0,	4188350.0,	5.8,	5.8,	0.0);	(651575.0,	4188350.0,	5.9,	5.9,	0.0);
(651600.0,	4188350.0,	6.0,	6.0,	0.0);	(651625.0,	4188350.0,	6.1,	6.1,	0.0);
(651650.0,	4188350.0,	6.1,	6.1,	0.0);	(651675.0,	4188350.0,	6.2,	6.2,	0.0);
(651700.0,	4188350.0,	6.3,	6.3,	0.0);	(651725.0,	4188350.0,	6.4,	6.4,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	651425.0,	4188375.0,	5.6,	5.6,	0.0);	(651450.0,	4188375.0,	5.6,	5.6,	0.0);
(	651475.0,	4188375.0,	5.7,	5.7,	0.0);	(651500.0,	4188375.0,	5.7,	5.7,	0.0);
(	651525.0,	4188375.0,	5.7,	5.7,	0.0);	(651550.0,	4188375.0,	5.8,	5.8,	0.0);
(	651575.0,	4188375.0,	5.8,	5.8,	0.0);	(651600.0,	4188375.0,	5.9,	5.9,	0.0);
(	651625.0,	4188375.0,	5.9,	5.9,	0.0);	(651650.0,	4188375.0,	6.0,	6.0,	0.0);
(	651675.0,	4188375.0,	6.1,	6.1,	0.0);	(651700.0,	4188375.0,	6.2,	6.2,	0.0);
(	651725.0,	4188375.0,	6.3,	6.3,	0.0);	(651425.0,	4188400.0,	5.5,	5.5,	0.0);
(	651450.0,	4188400.0,	5.5,	5.5,	0.0);	(651475.0,	4188400.0,	5.6,	5.6,	0.0);
(	651500.0,	4188400.0,	5.6,	5.6,	0.0);	(651525.0,	4188400.0,	5.6,	5.6,	0.0);
(	651550.0,	4188400.0,	5.6,	5.6,	0.0);	(651575.0,	4188400.0,	5.6,	5.6,	0.0);
(	651600.0,	4188400.0,	5.7,	5.7,	0.0);	(651625.0,	4188400.0,	5.7,	5.7,	0.0);
(	651650.0,	4188400.0,	5.8,	5.8,	0.0);	(651675.0,	4188400.0,	5.8,	5.8,	0.0);
(	651700.0,	4188400.0,	5.9,	5.9,	0.0);	(651725.0,	4188400.0,	6.1,	6.1,	0.0);
(	651425.0,	4188425.0,	5.4,	5.4,	0.0);	(651450.0,	4188425.0,	5.4,	5.4,	0.0);
(	651475.0,	4188425.0,	5.4,	5.4,	0.0);	(651500.0,	4188425.0,	5.4,	5.4,	0.0);
(	651525.0,	4188425.0,	5.4,	5.4,	0.0);	(651550.0,	4188425.0,	5.4,	5.4,	0.0);
(	651575.0,	4188425.0,	5.4,	5.4,	0.0);	(651600.0,	4188425.0,	5.5,	5.5,	0.0);
(	651625.0,	4188425.0,	5.5,	5.5,	0.0);	(651650.0,	4188425.0,	5.5,	5.5,	0.0);
(	651675.0,	4188425.0,	5.5,	5.5,	0.0);	(651700.0,	4188425.0,	5.6,	5.6,	0.0);
(	651725.0,	4188425.0,	5.8,	5.8,	0.0);	(651425.0,	4188450.0,	5.3,	5.3,	0.0);
(	651450.0,	4188450.0,	5.3,	5.3,	0.0);	(651475.0,	4188450.0,	5.3,	5.3,	0.0);
(	651500.0,	4188450.0,	5.3,	5.3,	0.0);	(651525.0,	4188450.0,	5.3,	5.3,	0.0);
(	651550.0,	4188450.0,	5.3,	5.3,	0.0);	(651575.0,	4188450.0,	5.3,	5.3,	0.0);
(	651600.0,	4188450.0,	5.3,	5.3,	0.0);	(651625.0,	4188450.0,	5.3,	5.3,	0.0);
(	651650.0,	4188450.0,	5.3,	5.3,	0.0);	(651675.0,	4188450.0,	5.3,	5.3,	0.0);
(	651700.0,	4188450.0,	5.3,	5.3,	0.0);	(651725.0,	4188450.0,	5.4,	5.4,	0.0);
(	651425.0,	4188475.0,	5.2,	5.2,	0.0);	(651450.0,	4188475.0,	5.2,	5.2,	0.0);
(	651475.0,	4188475.0,	5.2,	5.2,	0.0);	(651500.0,	4188475.0,	5.2,	5.2,	0.0);
(	651525.0,	4188475.0,	5.2,	5.2,	0.0);	(651550.0,	4188475.0,	5.2,	5.2,	0.0);
(	651575.0,	4188475.0,	5.3,	5.3,	0.0);	(651600.0,	4188475.0,	5.3,	5.3,	0.0);
(	651625.0,	4188475.0,	5.3,	5.3,	0.0);	(651650.0,	4188475.0,	5.3,	5.3,	0.0);
(	651675.0,	4188475.0,	5.3,	5.3,	0.0);	(651700.0,	4188475.0,	5.3,	5.3,	0.0);
(	651725.0,	4188475.0,	5.3,	5.3,	0.0);	(651425.0,	4188500.0,	5.2,	5.2,	0.0);
(	651450.0,	4188500.0,	5.2,	5.2,	0.0);	(651475.0,	4188500.0,	5.2,	5.2,	0.0);
(	651500.0,	4188500.0,	5.2,	5.2,	0.0);	(651525.0,	4188500.0,	5.2,	5.2,	0.0);
(	651550.0,	4188500.0,	5.2,	5.2,	0.0);	(651575.0,	4188500.0,	5.2,	5.2,	0.0);
(	651600.0,	4188500.0,	5.2,	5.2,	0.0);	(651625.0,	4188500.0,	5.2,	5.2,	0.0);
(	651650.0,	4188500.0,	5.2,	5.2,	0.0);	(651675.0,	4188500.0,	5.2,	5.2,	0.0);
(	651700.0,	4188500.0,	5.2,	5.2,	0.0);	(651725.0,	4188500.0,	5.2,	5.2,	0.0);
(	651425.0,	4188525.0,	5.1,	5.1,	0.0);	(651450.0,	4188525.0,	5.1,	5.1,	0.0);
(	651475.0,	4188525.0,	5.1,	5.1,	0.0);	(651500.0,	4188525.0,	5.1,	5.1,	0.0);
(	651525.0,	4188525.0,	5.2,	5.2,	0.0);	(651550.0,	4188525.0,	5.2,	5.2,	0.0);
(	651575.0,	4188525.0,	5.2,	5.2,	0.0);	(651600.0,	4188525.0,	5.2,	5.2,	0.0);
(	651625.0,	4188525.0,	5.2,	5.2,	0.0);	(651650.0,	4188525.0,	5.2,	5.2,	0.0);
(	651675.0,	4188525.0,	5.2,	5.2,	0.0);	(651700.0,	4188525.0,	5.2,	5.2,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	651725.0,	4188525.0,	5.2,	5.2,	0.0);	(651425.0,	4188550.0,	5.1,	5.1,	0.0);
(	651450.0,	4188550.0,	5.1,	5.1,	0.0);	(651475.0,	4188550.0,	5.1,	5.1,	0.0);
(	651500.0,	4188550.0,	5.1,	5.1,	0.0);	(651525.0,	4188550.0,	5.1,	5.1,	0.0);
(	651550.0,	4188550.0,	5.1,	5.1,	0.0);	(651575.0,	4188550.0,	5.1,	5.1,	0.0);
(	651600.0,	4188550.0,	5.1,	5.1,	0.0);	(651625.0,	4188550.0,	5.2,	5.2,	0.0);
(	651650.0,	4188550.0,	5.2,	5.2,	0.0);	(651675.0,	4188550.0,	5.2,	5.2,	0.0);
(	651700.0,	4188550.0,	5.2,	5.2,	0.0);	(651725.0,	4188550.0,	5.2,	5.2,	0.0);
(	651425.0,	4188575.0,	5.1,	5.1,	0.0);	(651450.0,	4188575.0,	5.1,	5.1,	0.0);
(	651475.0,	4188575.0,	5.1,	5.1,	0.0);	(651500.0,	4188575.0,	5.1,	5.1,	0.0);
(	651525.0,	4188575.0,	5.1,	5.1,	0.0);	(651550.0,	4188575.0,	5.1,	5.1,	0.0);
(	651575.0,	4188575.0,	5.1,	5.1,	0.0);	(651600.0,	4188575.0,	5.1,	5.1,	0.0);
(	651625.0,	4188575.0,	5.1,	5.1,	0.0);	(651650.0,	4188575.0,	5.1,	5.1,	0.0);
(	651675.0,	4188575.0,	5.2,	5.2,	0.0);	(651700.0,	4188575.0,	5.2,	5.2,	0.0);
(	651725.0,	4188575.0,	5.2,	5.2,	0.0);	(651425.0,	4188600.0,	5.1,	5.1,	0.0);
(	651450.0,	4188600.0,	5.1,	5.1,	0.0);	(651475.0,	4188600.0,	5.1,	5.1,	0.0);
(	651500.0,	4188600.0,	5.1,	5.1,	0.0);	(651525.0,	4188600.0,	5.1,	5.1,	0.0);
(	651550.0,	4188600.0,	5.1,	5.1,	0.0);	(651575.0,	4188600.0,	5.1,	5.1,	0.0);
(	651600.0,	4188600.0,	5.1,	5.1,	0.0);	(651625.0,	4188600.0,	5.1,	5.1,	0.0);
(	651650.0,	4188600.0,	5.1,	5.1,	0.0);	(651675.0,	4188600.0,	5.1,	5.1,	0.0);
(	651700.0,	4188600.0,	5.2,	5.2,	0.0);	(651725.0,	4188600.0,	5.2,	5.2,	0.0);
(	651425.0,	4188625.0,	5.1,	5.1,	0.0);	(651450.0,	4188625.0,	5.1,	5.1,	0.0);
(	651475.0,	4188625.0,	5.1,	5.1,	0.0);	(651500.0,	4188625.0,	5.1,	5.1,	0.0);
(	651525.0,	4188625.0,	5.1,	5.1,	0.0);	(651550.0,	4188625.0,	5.1,	5.1,	0.0);
(	651575.0,	4188625.0,	5.1,	5.1,	0.0);	(651600.0,	4188625.0,	5.1,	5.1,	0.0);
(	651625.0,	4188625.0,	5.1,	5.1,	0.0);	(651650.0,	4188625.0,	5.1,	5.1,	0.0);
(	651675.0,	4188625.0,	5.1,	5.1,	0.0);	(651700.0,	4188625.0,	5.2,	5.2,	0.0);
(	651725.0,	4188625.0,	5.2,	5.2,	0.0);	(651425.0,	4188650.0,	5.1,	5.1,	0.0);
(	651450.0,	4188650.0,	5.1,	5.1,	0.0);	(651475.0,	4188650.0,	5.1,	5.1,	0.0);
(	651500.0,	4188650.0,	5.1,	5.1,	0.0);	(651525.0,	4188650.0,	5.1,	5.1,	0.0);
(	651550.0,	4188650.0,	5.1,	5.1,	0.0);	(651575.0,	4188650.0,	5.1,	5.1,	0.0);
(	651600.0,	4188650.0,	5.1,	5.1,	0.0);	(651625.0,	4188650.0,	5.1,	5.1,	0.0);
(	651650.0,	4188650.0,	5.1,	5.1,	0.0);	(651675.0,	4188650.0,	5.1,	5.1,	0.0);
(	651700.0,	4188650.0,	5.1,	5.1,	0.0);	(651725.0,	4188650.0,	5.2,	5.2,	0.0);
(	651425.0,	4188675.0,	5.1,	5.1,	0.0);	(651450.0,	4188675.0,	5.1,	5.1,	0.0);
(	651475.0,	4188675.0,	5.1,	5.1,	0.0);	(651500.0,	4188675.0,	5.1,	5.1,	0.0);
(	651525.0,	4188675.0,	5.1,	5.1,	0.0);	(651550.0,	4188675.0,	5.1,	5.1,	0.0);
(	651575.0,	4188675.0,	5.1,	5.1,	0.0);	(651600.0,	4188675.0,	5.1,	5.1,	0.0);
(	651625.0,	4188675.0,	5.1,	5.1,	0.0);	(651650.0,	4188675.0,	5.2,	5.2,	0.0);
(	651675.0,	4188675.0,	5.2,	5.2,	0.0);	(651700.0,	4188675.0,	5.2,	5.2,	0.0);
(	651725.0,	4188675.0,	5.2,	5.2,	0.0);	(651425.0,	4188700.0,	5.2,	5.2,	0.0);
(	651450.0,	4188700.0,	5.2,	5.2,	0.0);	(651475.0,	4188700.0,	5.2,	5.2,	0.0);
(	651500.0,	4188700.0,	5.2,	5.2,	0.0);	(651525.0,	4188700.0,	5.2,	5.2,	0.0);
(	651550.0,	4188700.0,	5.2,	5.2,	0.0);	(651575.0,	4188700.0,	5.2,	5.2,	0.0);
(	651600.0,	4188700.0,	5.2,	5.2,	0.0);	(651625.0,	4188700.0,	5.2,	5.2,	0.0);
(	651650.0,	4188700.0,	5.2,	5.2,	0.0);	(651675.0,	4188700.0,	5.2,	5.2,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(651700.0,	4188700.0,	5.2,	5.2,	0.0);	(651725.0,	4188700.0,	5.2,	5.2,	0.0);
(651425.0,	4188725.0,	5.3,	5.3,	0.0);	(651450.0,	4188725.0,	5.3,	5.3,	0.0);
(651475.0,	4188725.0,	5.3,	5.3,	0.0);	(651500.0,	4188725.0,	5.3,	5.3,	0.0);
(651525.0,	4188725.0,	5.3,	5.3,	0.0);	(651550.0,	4188725.0,	5.3,	5.3,	0.0);
(651575.0,	4188725.0,	5.3,	5.3,	0.0);	(651600.0,	4188725.0,	5.3,	5.3,	0.0);
(651625.0,	4188725.0,	5.3,	5.3,	0.0);	(651650.0,	4188725.0,	5.3,	5.3,	0.0);
(651675.0,	4188725.0,	5.3,	5.3,	0.0);	(651700.0,	4188725.0,	5.2,	5.2,	0.0);
(651725.0,	4188725.0,	5.2,	5.2,	0.0);	(651425.0,	4188750.0,	5.3,	5.3,	0.0);
(651450.0,	4188750.0,	5.3,	5.3,	0.0);	(651475.0,	4188750.0,	5.3,	5.3,	0.0);
(651500.0,	4188750.0,	5.3,	5.3,	0.0);	(651525.0,	4188750.0,	5.3,	5.3,	0.0);
(651550.0,	4188750.0,	5.3,	5.3,	0.0);	(651575.0,	4188750.0,	5.3,	5.3,	0.0);
(651600.0,	4188750.0,	5.3,	5.3,	0.0);	(651625.0,	4188750.0,	5.3,	5.3,	0.0);
(651650.0,	4188750.0,	5.3,	5.3,	0.0);	(651675.0,	4188750.0,	5.3,	5.3,	0.0);
(651700.0,	4188750.0,	5.3,	5.3,	0.0);	(651725.0,	4188750.0,	5.4,	5.4,	0.0);
(651425.0,	4188775.0,	5.3,	5.3,	0.0);	(651450.0,	4188775.0,	5.3,	5.3,	0.0);
(651475.0,	4188775.0,	5.3,	5.3,	0.0);	(651500.0,	4188775.0,	5.3,	5.3,	0.0);
(651525.0,	4188775.0,	5.3,	5.3,	0.0);	(651550.0,	4188775.0,	5.3,	5.3,	0.0);
(651575.0,	4188775.0,	5.3,	5.3,	0.0);	(651600.0,	4188775.0,	5.3,	5.3,	0.0);
(651625.0,	4188775.0,	5.3,	5.3,	0.0);	(651650.0,	4188775.0,	5.3,	5.3,	0.0);
(651675.0,	4188775.0,	5.3,	5.3,	0.0);	(651700.0,	4188775.0,	5.3,	5.3,	0.0);
(651725.0,	4188775.0,	5.4,	5.4,	0.0);	(651425.0,	4188800.0,	5.3,	5.3,	0.0);
(651450.0,	4188800.0,	5.3,	5.3,	0.0);	(651475.0,	4188800.0,	5.3,	5.3,	0.0);
(651500.0,	4188800.0,	5.3,	5.3,	0.0);	(651525.0,	4188800.0,	5.3,	5.3,	0.0);
(651550.0,	4188800.0,	5.3,	5.3,	0.0);	(651575.0,	4188800.0,	5.3,	5.3,	0.0);
(651600.0,	4188800.0,	5.3,	5.3,	0.0);	(651625.0,	4188800.0,	5.3,	5.3,	0.0);
(651650.0,	4188800.0,	5.2,	5.2,	0.0);	(651675.0,	4188800.0,	5.2,	5.2,	0.0);
(651700.0,	4188800.0,	5.2,	5.2,	0.0);	(651725.0,	4188800.0,	5.2,	5.2,	0.0);
(651425.0,	4188825.0,	5.3,	5.3,	0.0);	(651450.0,	4188825.0,	5.3,	5.3,	0.0);
(651475.0,	4188825.0,	5.3,	5.3,	0.0);	(651500.0,	4188825.0,	5.3,	5.3,	0.0);
(651525.0,	4188825.0,	5.3,	5.3,	0.0);	(651550.0,	4188825.0,	5.3,	5.3,	0.0);
(651575.0,	4188825.0,	5.3,	5.3,	0.0);	(651600.0,	4188825.0,	5.2,	5.2,	0.0);
(651625.0,	4188825.0,	5.2,	5.2,	0.0);	(651650.0,	4188825.0,	5.2,	5.2,	0.0);
(651675.0,	4188825.0,	5.2,	5.2,	0.0);	(651700.0,	4188825.0,	5.2,	5.2,	0.0);
(651725.0,	4188825.0,	5.2,	5.2,	0.0);	(651425.0,	4188850.0,	5.2,	5.2,	0.0);
(651450.0,	4188850.0,	5.3,	5.3,	0.0);	(651475.0,	4188850.0,	5.3,	5.3,	0.0);
(651500.0,	4188850.0,	5.3,	5.3,	0.0);	(651525.0,	4188850.0,	5.2,	5.2,	0.0);
(651550.0,	4188850.0,	5.2,	5.2,	0.0);	(651575.0,	4188850.0,	5.2,	5.2,	0.0);
(651600.0,	4188850.0,	5.2,	5.2,	0.0);	(651625.0,	4188850.0,	5.2,	5.2,	0.0);
(651650.0,	4188850.0,	5.2,	5.2,	0.0);	(651675.0,	4188850.0,	5.2,	5.2,	0.0);
(651700.0,	4188850.0,	5.2,	5.2,	0.0);	(651725.0,	4188850.0,	5.2,	5.2,	0.0);
(651425.0,	4188875.0,	5.2,	5.2,	0.0);	(651450.0,	4188875.0,	5.2,	5.2,	0.0);
(651475.0,	4188875.0,	5.2,	5.2,	0.0);	(651500.0,	4188875.0,	5.2,	5.2,	0.0);
(651525.0,	4188875.0,	5.2,	5.2,	0.0);	(651550.0,	4188875.0,	5.2,	5.2,	0.0);
(651575.0,	4188875.0,	5.2,	5.2,	0.0);	(651600.0,	4188875.0,	5.2,	5.2,	0.0);
(651625.0,	4188875.0,	5.2,	5.2,	0.0);	(651650.0,	4188875.0,	5.2,	5.2,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(651675.0,	4188875.0,	5.2,	5.2,	0.0);	(651700.0,	4188875.0,	5.2,	5.2,	0.0);
(651725.0,	4188875.0,	5.2,	5.2,	0.0);	(651425.0,	4188900.0,	5.1,	5.1,	0.0);
(651450.0,	4188900.0,	5.1,	5.1,	0.0);	(651475.0,	4188900.0,	5.1,	5.1,	0.0);
(651500.0,	4188900.0,	5.1,	5.1,	0.0);	(651525.0,	4188900.0,	5.1,	5.1,	0.0);
(651550.0,	4188900.0,	5.1,	5.1,	0.0);	(651575.0,	4188900.0,	5.2,	5.2,	0.0);
(651600.0,	4188900.0,	5.2,	5.2,	0.0);	(651625.0,	4188900.0,	5.2,	5.2,	0.0);
(651650.0,	4188900.0,	5.2,	5.2,	0.0);	(651675.0,	4188900.0,	5.2,	5.2,	0.0);
(651700.0,	4188900.0,	5.2,	5.2,	0.0);	(651725.0,	4188900.0,	5.2,	5.2,	0.0);
(651425.0,	4188925.0,	5.1,	5.1,	0.0);	(651450.0,	4188925.0,	5.1,	5.1,	0.0);
(651475.0,	4188925.0,	5.1,	5.1,	0.0);	(651500.0,	4188925.0,	5.1,	5.1,	0.0);
(651525.0,	4188925.0,	5.1,	5.1,	0.0);	(651550.0,	4188925.0,	5.2,	5.2,	0.0);
(651575.0,	4188925.0,	5.2,	5.2,	0.0);	(651600.0,	4188925.0,	5.2,	5.2,	0.0);
(651625.0,	4188925.0,	5.2,	5.2,	0.0);	(651650.0,	4188925.0,	5.2,	5.2,	0.0);
(651675.0,	4188925.0,	5.2,	5.2,	0.0);	(651700.0,	4188925.0,	5.2,	5.2,	0.0);
(651725.0,	4188925.0,	5.2,	5.2,	0.0);	(651425.0,	4188950.0,	5.0,	5.0,	0.0);
(651450.0,	4188950.0,	5.0,	5.0,	0.0);	(651475.0,	4188950.0,	5.0,	5.0,	0.0);
(651500.0,	4188950.0,	5.1,	5.1,	0.0);	(651525.0,	4188950.0,	5.1,	5.1,	0.0);
(651550.0,	4188950.0,	5.2,	5.2,	0.0);	(651575.0,	4188950.0,	5.3,	5.3,	0.0);
(651600.0,	4188950.0,	5.3,	5.3,	0.0);	(651625.0,	4188950.0,	5.3,	5.3,	0.0);
(651650.0,	4188950.0,	5.3,	5.3,	0.0);	(651675.0,	4188950.0,	5.2,	5.2,	0.0);
(651700.0,	4188950.0,	5.2,	5.2,	0.0);	(651725.0,	4188950.0,	5.2,	5.2,	0.0);
(651425.0,	4188975.0,	5.0,	5.0,	0.0);	(651450.0,	4188975.0,	5.0,	5.0,	0.0);
(651475.0,	4188975.0,	5.0,	5.0,	0.0);	(651500.0,	4188975.0,	5.1,	5.1,	0.0);
(651525.0,	4188975.0,	5.2,	5.2,	0.0);	(651550.0,	4188975.0,	5.2,	5.2,	0.0);
(651575.0,	4188975.0,	5.3,	5.3,	0.0);	(651600.0,	4188975.0,	5.4,	5.4,	0.0);
(651625.0,	4188975.0,	5.4,	5.4,	0.0);	(651650.0,	4188975.0,	5.3,	5.3,	0.0);
(651675.0,	4188975.0,	5.3,	5.3,	0.0);	(651700.0,	4188975.0,	5.3,	5.3,	0.0);
(651725.0,	4188975.0,	5.3,	5.3,	0.0);	(651425.0,	4189000.0,	5.0,	5.0,	0.0);
(651450.0,	4189000.0,	5.0,	5.0,	0.0);	(651475.0,	4189000.0,	5.0,	5.0,	0.0);
(651500.0,	4189000.0,	5.1,	5.1,	0.0);	(651525.0,	4189000.0,	5.2,	5.2,	0.0);
(651550.0,	4189000.0,	5.2,	5.2,	0.0);	(651575.0,	4189000.0,	5.3,	5.3,	0.0);
(651600.0,	4189000.0,	5.3,	5.3,	0.0);	(651625.0,	4189000.0,	5.5,	5.5,	0.0);
(651650.0,	4189000.0,	5.5,	5.5,	0.0);	(651675.0,	4189000.0,	5.5,	5.5,	0.0);
(651700.0,	4189000.0,	5.6,	5.6,	0.0);	(651725.0,	4189000.0,	5.8,	5.8,	0.0);
(651425.0,	4189025.0,	5.0,	5.0,	0.0);	(651450.0,	4189025.0,	5.0,	5.0,	0.0);
(651475.0,	4189025.0,	5.1,	5.1,	0.0);	(651500.0,	4189025.0,	5.1,	5.1,	0.0);
(651525.0,	4189025.0,	5.1,	5.1,	0.0);	(651550.0,	4189025.0,	5.2,	5.2,	0.0);
(651575.0,	4189025.0,	5.2,	5.2,	0.0);	(651600.0,	4189025.0,	5.3,	5.3,	0.0);
(651625.0,	4189025.0,	5.3,	5.3,	0.0);	(651650.0,	4189025.0,	5.5,	5.5,	0.0);
(651675.0,	4189025.0,	5.6,	5.6,	0.0);	(651700.0,	4189025.0,	5.8,	5.8,	0.0);
(651725.0,	4189025.0,	6.1,	6.1,	0.0);	(651425.0,	4189050.0,	5.1,	5.1,	0.0);
(651450.0,	4189050.0,	5.1,	5.1,	0.0);	(651475.0,	4189050.0,	5.1,	5.1,	0.0);
(651500.0,	4189050.0,	5.1,	5.1,	0.0);	(651525.0,	4189050.0,	5.2,	5.2,	0.0);
(651550.0,	4189050.0,	5.2,	5.2,	0.0);	(651575.0,	4189050.0,	5.2,	5.2,	0.0);
(651600.0,	4189050.0,	5.2,	5.2,	0.0);	(651625.0,	4189050.0,	5.3,	5.3,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(651650.0,	4189050.0,	5.3,	5.3,	0.0);	(651675.0,	4189050.0,	5.5,	5.5,	0.0);
(651700.0,	4189050.0,	5.5,	5.5,	0.0);	(651725.0,	4189050.0,	5.6,	5.6,	0.0);
(651425.0,	4189075.0,	5.2,	5.2,	0.0);	(651450.0,	4189075.0,	5.2,	5.2,	0.0);
(651475.0,	4189075.0,	5.2,	5.2,	0.0);	(651500.0,	4189075.0,	5.2,	5.2,	0.0);
(651525.0,	4189075.0,	5.2,	5.2,	0.0);	(651550.0,	4189075.0,	5.2,	5.2,	0.0);
(651575.0,	4189075.0,	5.2,	5.2,	0.0);	(651600.0,	4189075.0,	5.2,	5.2,	0.0);
(651625.0,	4189075.0,	5.2,	5.2,	0.0);	(651650.0,	4189075.0,	5.3,	5.3,	0.0);
(651675.0,	4189075.0,	5.3,	5.3,	0.0);	(651700.0,	4189075.0,	5.3,	5.3,	0.0);
(651725.0,	4189075.0,	5.3,	5.3,	0.0);	(651425.0,	4189100.0,	5.3,	5.3,	0.0);
(651450.0,	4189100.0,	5.3,	5.3,	0.0);	(651475.0,	4189100.0,	5.3,	5.3,	0.0);
(651500.0,	4189100.0,	5.3,	5.3,	0.0);	(651525.0,	4189100.0,	5.3,	5.3,	0.0);
(651550.0,	4189100.0,	5.3,	5.3,	0.0);	(651575.0,	4189100.0,	5.3,	5.3,	0.0);
(651600.0,	4189100.0,	5.3,	5.3,	0.0);	(651625.0,	4189100.0,	5.3,	5.3,	0.0);
(651650.0,	4189100.0,	5.3,	5.3,	0.0);	(651675.0,	4189100.0,	5.3,	5.3,	0.0);
(651700.0,	4189100.0,	5.3,	5.3,	0.0);	(651725.0,	4189100.0,	5.3,	5.3,	0.0);
(651425.0,	4189125.0,	5.4,	5.4,	0.0);	(651450.0,	4189125.0,	5.4,	5.4,	0.0);
(651475.0,	4189125.0,	5.4,	5.4,	0.0);	(651500.0,	4189125.0,	5.4,	5.4,	0.0);
(651525.0,	4189125.0,	5.4,	5.4,	0.0);	(651550.0,	4189125.0,	5.4,	5.4,	0.0);
(651575.0,	4189125.0,	5.4,	5.4,	0.0);	(651600.0,	4189125.0,	5.4,	5.4,	0.0);
(651625.0,	4189125.0,	5.3,	5.3,	0.0);	(651650.0,	4189125.0,	5.3,	5.3,	0.0);
(651675.0,	4189125.0,	5.3,	5.3,	0.0);	(651700.0,	4189125.0,	5.3,	5.3,	0.0);
(651725.0,	4189125.0,	5.3,	5.3,	0.0);	(651425.0,	4189150.0,	5.4,	5.4,	0.0);
(651450.0,	4189150.0,	5.5,	5.5,	0.0);	(651475.0,	4189150.0,	5.5,	5.5,	0.0);
(651500.0,	4189150.0,	5.5,	5.5,	0.0);	(651525.0,	4189150.0,	5.5,	5.5,	0.0);
(651550.0,	4189150.0,	5.6,	5.6,	0.0);	(651575.0,	4189150.0,	5.6,	5.6,	0.0);
(651600.0,	4189150.0,	5.6,	5.6,	0.0);	(651625.0,	4189150.0,	5.5,	5.5,	0.0);
(651650.0,	4189150.0,	5.5,	5.5,	0.0);	(651675.0,	4189150.0,	5.5,	5.5,	0.0);
(651700.0,	4189150.0,	5.5,	5.5,	0.0);	(651725.0,	4189150.0,	5.5,	5.5,	0.0);
(651425.0,	4189175.0,	5.5,	5.5,	0.0);	(651450.0,	4189175.0,	5.5,	5.5,	0.0);
(651475.0,	4189175.0,	5.6,	5.6,	0.0);	(651500.0,	4189175.0,	5.6,	5.6,	0.0);
(651525.0,	4189175.0,	5.6,	5.6,	0.0);	(651550.0,	4189175.0,	5.7,	5.7,	0.0);
(651575.0,	4189175.0,	5.7,	5.7,	0.0);	(651600.0,	4189175.0,	5.7,	5.7,	0.0);
(651625.0,	4189175.0,	5.8,	5.8,	0.0);	(651650.0,	4189175.0,	5.8,	5.8,	0.0);
(651675.0,	4189175.0,	5.8,	5.8,	0.0);	(651700.0,	4189175.0,	5.9,	5.9,	0.0);
(651725.0,	4189175.0,	6.0,	6.0,	0.0);	(651425.0,	4189200.0,	5.6,	5.6,	0.0);
(651450.0,	4189200.0,	5.6,	5.6,	0.0);	(651475.0,	4189200.0,	5.6,	5.6,	0.0);
(651500.0,	4189200.0,	5.7,	5.7,	0.0);	(651525.0,	4189200.0,	5.7,	5.7,	0.0);
(651550.0,	4189200.0,	5.8,	5.8,	0.0);	(651575.0,	4189200.0,	5.8,	5.8,	0.0);
(651600.0,	4189200.0,	5.9,	5.9,	0.0);	(651625.0,	4189200.0,	5.9,	5.9,	0.0);
(651650.0,	4189200.0,	6.0,	6.0,	0.0);	(651675.0,	4189200.0,	6.1,	6.1,	0.0);
(651700.0,	4189200.0,	6.2,	6.2,	0.0);	(651725.0,	4189200.0,	6.3,	6.3,	0.0);
(651425.0,	4189225.0,	5.6,	5.6,	0.0);	(651450.0,	4189225.0,	5.7,	5.7,	0.0);
(651475.0,	4189225.0,	5.7,	5.7,	0.0);	(651500.0,	4189225.0,	5.7,	5.7,	0.0);
(651525.0,	4189225.0,	5.8,	5.8,	0.0);	(651550.0,	4189225.0,	5.8,	5.8,	0.0);
(651575.0,	4189225.0,	5.9,	5.9,	0.0);	(651600.0,	4189225.0,	6.0,	6.0,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(651625.0,	4189225.0,	6.1,	6.1,	0.0);	(651650.0,	4189225.0,	6.2,	6.2,	0.0);
(651675.0,	4189225.0,	6.3,	6.3,	0.0);	(651700.0,	4189225.0,	6.4,	6.4,	0.0);
(651725.0,	4189225.0,	6.5,	6.5,	0.0);	(651425.0,	4189250.0,	5.7,	5.7,	0.0);
(651450.0,	4189250.0,	5.7,	5.7,	0.0);	(651475.0,	4189250.0,	5.8,	5.8,	0.0);
(651500.0,	4189250.0,	5.8,	5.8,	0.0);	(651525.0,	4189250.0,	5.9,	5.9,	0.0);
(651550.0,	4189250.0,	6.0,	6.0,	0.0);	(651575.0,	4189250.0,	6.0,	6.0,	0.0);
(651600.0,	4189250.0,	6.1,	6.1,	0.0);	(651625.0,	4189250.0,	6.2,	6.2,	0.0);
(651650.0,	4189250.0,	6.3,	6.3,	0.0);	(651675.0,	4189250.0,	6.4,	6.4,	0.0);
(651700.0,	4189250.0,	6.5,	6.5,	0.0);	(651725.0,	4189250.0,	6.5,	6.5,	0.0);
(651425.0,	4189275.0,	5.7,	5.7,	0.0);	(651450.0,	4189275.0,	5.8,	5.8,	0.0);
(651475.0,	4189275.0,	5.8,	5.8,	0.0);	(651500.0,	4189275.0,	5.9,	5.9,	0.0);
(651525.0,	4189275.0,	6.0,	6.0,	0.0);	(651550.0,	4189275.0,	6.0,	6.0,	0.0);
(651575.0,	4189275.0,	6.1,	6.1,	0.0);	(651600.0,	4189275.0,	6.2,	6.2,	0.0);
(651625.0,	4189275.0,	6.3,	6.3,	0.0);	(651650.0,	4189275.0,	6.3,	6.3,	0.0);
(651675.0,	4189275.0,	6.4,	6.4,	0.0);	(651700.0,	4189275.0,	6.5,	6.5,	0.0);
(651725.0,	4189275.0,	6.6,	6.6,	0.0);	(651425.0,	4189300.0,	5.8,	5.8,	0.0);
(651450.0,	4189300.0,	5.8,	5.8,	0.0);	(651475.0,	4189300.0,	5.9,	5.9,	0.0);
(651500.0,	4189300.0,	6.0,	6.0,	0.0);	(651525.0,	4189300.0,	6.0,	6.0,	0.0);
(651550.0,	4189300.0,	6.1,	6.1,	0.0);	(651575.0,	4189300.0,	6.2,	6.2,	0.0);
(651600.0,	4189300.0,	6.2,	6.2,	0.0);	(651625.0,	4189300.0,	6.3,	6.3,	0.0);
(651650.0,	4189300.0,	6.4,	6.4,	0.0);	(651675.0,	4189300.0,	6.5,	6.5,	0.0);
(651700.0,	4189300.0,	6.5,	6.5,	0.0);	(651725.0,	4189300.0,	6.6,	6.6,	0.0);
(651425.0,	4189325.0,	5.9,	5.9,	0.0);	(651450.0,	4189325.0,	5.9,	5.9,	0.0);
(651475.0,	4189325.0,	6.0,	6.0,	0.0);	(651500.0,	4189325.0,	6.0,	6.0,	0.0);
(651525.0,	4189325.0,	6.1,	6.1,	0.0);	(651550.0,	4189325.0,	6.1,	6.1,	0.0);
(651575.0,	4189325.0,	6.2,	6.2,	0.0);	(651600.0,	4189325.0,	6.3,	6.3,	0.0);
(651625.0,	4189325.0,	6.3,	6.3,	0.0);	(651650.0,	4189325.0,	6.4,	6.4,	0.0);
(651675.0,	4189325.0,	6.5,	6.5,	0.0);	(651700.0,	4189325.0,	6.5,	6.5,	0.0);
(651725.0,	4189325.0,	6.6,	6.6,	0.0);	(651425.0,	4189350.0,	5.9,	5.9,	0.0);
(651450.0,	4189350.0,	6.0,	6.0,	0.0);	(651475.0,	4189350.0,	6.0,	6.0,	0.0);
(651500.0,	4189350.0,	6.0,	6.0,	0.0);	(651525.0,	4189350.0,	6.1,	6.1,	0.0);
(651550.0,	4189350.0,	6.2,	6.2,	0.0);	(651575.0,	4189350.0,	6.2,	6.2,	0.0);
(651600.0,	4189350.0,	6.3,	6.3,	0.0);	(651625.0,	4189350.0,	6.4,	6.4,	0.0);
(651650.0,	4189350.0,	6.4,	6.4,	0.0);	(651675.0,	4189350.0,	6.5,	6.5,	0.0);
(651700.0,	4189350.0,	6.5,	6.5,	0.0);	(651725.0,	4189350.0,	6.6,	6.6,	0.0);
(651425.0,	4189375.0,	5.9,	5.9,	0.0);	(651450.0,	4189375.0,	6.0,	6.0,	0.0);
(651475.0,	4189375.0,	6.0,	6.0,	0.0);	(651500.0,	4189375.0,	6.1,	6.1,	0.0);
(651525.0,	4189375.0,	6.1,	6.1,	0.0);	(651550.0,	4189375.0,	6.2,	6.2,	0.0);
(651575.0,	4189375.0,	6.2,	6.2,	0.0);	(651600.0,	4189375.0,	6.3,	6.3,	0.0);
(651625.0,	4189375.0,	6.4,	6.4,	0.0);	(651650.0,	4189375.0,	6.4,	6.4,	0.0);
(651675.0,	4189375.0,	6.5,	6.5,	0.0);	(651700.0,	4189375.0,	6.5,	6.5,	0.0);
(651725.0,	4189375.0,	6.6,	6.6,	0.0);	(651425.0,	4189400.0,	6.0,	6.0,	0.0);
(651450.0,	4189400.0,	6.0,	6.0,	0.0);	(651475.0,	4189400.0,	6.0,	6.0,	0.0);
(651500.0,	4189400.0,	6.1,	6.1,	0.0);	(651525.0,	4189400.0,	6.1,	6.1,	0.0);
(651550.0,	4189400.0,	6.2,	6.2,	0.0);	(651575.0,	4189400.0,	6.2,	6.2,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(651600.0,	4189400.0,	6.3,	6.3,	0.0);	(651625.0,	4189400.0,	6.4,	6.4,	0.0);
(651650.0,	4189400.0,	6.4,	6.4,	0.0);	(651675.0,	4189400.0,	6.5,	6.5,	0.0);
(651700.0,	4189400.0,	6.5,	6.5,	0.0);	(651725.0,	4189400.0,	6.6,	6.6,	0.0);
(651425.0,	4189425.0,	6.0,	6.0,	0.0);	(651450.0,	4189425.0,	6.0,	6.0,	0.0);
(651475.0,	4189425.0,	6.0,	6.0,	0.0);	(651500.0,	4189425.0,	6.1,	6.1,	0.0);
(651525.0,	4189425.0,	6.1,	6.1,	0.0);	(651550.0,	4189425.0,	6.2,	6.2,	0.0);
(651575.0,	4189425.0,	6.2,	6.2,	0.0);	(651600.0,	4189425.0,	6.3,	6.3,	0.0);
(651625.0,	4189425.0,	6.3,	6.3,	0.0);	(651650.0,	4189425.0,	6.4,	6.4,	0.0);
(651675.0,	4189425.0,	6.5,	6.5,	0.0);	(651700.0,	4189425.0,	6.5,	6.5,	0.0);
(651725.0,	4189425.0,	6.6,	6.6,	0.0);	(651425.0,	4189450.0,	5.9,	5.9,	0.0);
(651450.0,	4189450.0,	6.0,	6.0,	0.0);	(651475.0,	4189450.0,	6.0,	6.0,	0.0);
(651500.0,	4189450.0,	6.1,	6.1,	0.0);	(651525.0,	4189450.0,	6.1,	6.1,	0.0);
(651550.0,	4189450.0,	6.1,	6.1,	0.0);	(651575.0,	4189450.0,	6.2,	6.2,	0.0);
(651600.0,	4189450.0,	6.2,	6.2,	0.0);	(651625.0,	4189450.0,	6.3,	6.3,	0.0);
(651650.0,	4189450.0,	6.3,	6.3,	0.0);	(651675.0,	4189450.0,	6.4,	6.4,	0.0);
(651700.0,	4189450.0,	6.5,	6.5,	0.0);	(651725.0,	4189450.0,	6.6,	6.6,	0.0);
(651425.0,	4189475.0,	5.9,	5.9,	0.0);	(651450.0,	4189475.0,	5.9,	5.9,	0.0);
(651475.0,	4189475.0,	6.0,	6.0,	0.0);	(651500.0,	4189475.0,	6.0,	6.0,	0.0);
(651525.0,	4189475.0,	6.0,	6.0,	0.0);	(651550.0,	4189475.0,	6.1,	6.1,	0.0);
(651575.0,	4189475.0,	6.1,	6.1,	0.0);	(651600.0,	4189475.0,	6.2,	6.2,	0.0);
(651625.0,	4189475.0,	6.2,	6.2,	0.0);	(651650.0,	4189475.0,	6.3,	6.3,	0.0);
(651675.0,	4189475.0,	6.4,	6.4,	0.0);	(651700.0,	4189475.0,	6.5,	6.5,	0.0);
(651725.0,	4189475.0,	6.6,	6.6,	0.0);	(651425.0,	4189500.0,	5.8,	5.8,	0.0);
(651450.0,	4189500.0,	5.9,	5.9,	0.0);	(651475.0,	4189500.0,	5.9,	5.9,	0.0);
(651500.0,	4189500.0,	5.9,	5.9,	0.0);	(651525.0,	4189500.0,	6.0,	6.0,	0.0);
(651550.0,	4189500.0,	6.0,	6.0,	0.0);	(651575.0,	4189500.0,	6.0,	6.0,	0.0);
(651600.0,	4189500.0,	6.1,	6.1,	0.0);	(651625.0,	4189500.0,	6.1,	6.1,	0.0);
(651650.0,	4189500.0,	6.3,	6.3,	0.0);	(651675.0,	4189500.0,	6.4,	6.4,	0.0);
(651700.0,	4189500.0,	6.5,	6.5,	0.0);	(651725.0,	4189500.0,	6.6,	6.6,	0.0);
(651425.0,	4189525.0,	5.8,	5.8,	0.0);	(651450.0,	4189525.0,	5.8,	5.8,	0.0);
(651475.0,	4189525.0,	5.8,	5.8,	0.0);	(651500.0,	4189525.0,	5.8,	5.8,	0.0);
(651525.0,	4189525.0,	5.8,	5.8,	0.0);	(651550.0,	4189525.0,	5.9,	5.9,	0.0);
(651575.0,	4189525.0,	5.9,	5.9,	0.0);	(651600.0,	4189525.0,	5.9,	5.9,	0.0);
(651625.0,	4189525.0,	6.0,	6.0,	0.0);	(651650.0,	4189525.0,	6.2,	6.2,	0.0);
(651675.0,	4189525.0,	6.3,	6.3,	0.0);	(651700.0,	4189525.0,	6.5,	6.5,	0.0);
(651725.0,	4189525.0,	6.6,	6.6,	0.0);	(651425.0,	4189550.0,	5.7,	5.7,	0.0);
(651450.0,	4189550.0,	5.7,	5.7,	0.0);	(651475.0,	4189550.0,	5.7,	5.7,	0.0);
(651500.0,	4189550.0,	5.7,	5.7,	0.0);	(651525.0,	4189550.0,	5.7,	5.7,	0.0);
(651550.0,	4189550.0,	5.7,	5.7,	0.0);	(651575.0,	4189550.0,	5.7,	5.7,	0.0);
(651600.0,	4189550.0,	5.8,	5.8,	0.0);	(651625.0,	4189550.0,	5.9,	5.9,	0.0);
(651650.0,	4189550.0,	6.1,	6.1,	0.0);	(651675.0,	4189550.0,	6.2,	6.2,	0.0);
(651700.0,	4189550.0,	6.4,	6.4,	0.0);	(651725.0,	4189550.0,	6.6,	6.6,	0.0);
(651425.0,	4189575.0,	5.5,	5.5,	0.0);	(651450.0,	4189575.0,	5.5,	5.5,	0.0);
(651475.0,	4189575.0,	5.5,	5.5,	0.0);	(651500.0,	4189575.0,	5.5,	5.5,	0.0);
(651525.0,	4189575.0,	5.5,	5.5,	0.0);	(651550.0,	4189575.0,	5.5,	5.5,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	651575.0,	4189575.0,	5.5,	5.5,	0.0);	(	651600.0,	4189575.0,	5.6,	5.6,	0.0);
(	651625.0,	4189575.0,	5.8,	5.8,	0.0);	(	651650.0,	4189575.0,	6.0,	6.0,	0.0);
(	651675.0,	4189575.0,	6.2,	6.2,	0.0);	(	651700.0,	4189575.0,	6.4,	6.4,	0.0);
(	651725.0,	4189575.0,	6.6,	6.6,	0.0);	(	651425.0,	4189600.0,	5.4,	5.4,	0.0);
(	651450.0,	4189600.0,	5.3,	5.3,	0.0);	(	651475.0,	4189600.0,	5.3,	5.3,	0.0);
(	651500.0,	4189600.0,	5.3,	5.3,	0.0);	(	651525.0,	4189600.0,	5.3,	5.3,	0.0);
(	651550.0,	4189600.0,	5.4,	5.4,	0.0);	(	651575.0,	4189600.0,	5.4,	5.4,	0.0);
(	651600.0,	4189600.0,	5.5,	5.5,	0.0);	(	651625.0,	4189600.0,	5.6,	5.6,	0.0);
(	651650.0,	4189600.0,	5.8,	5.8,	0.0);	(	651675.0,	4189600.0,	6.0,	6.0,	0.0);
(	651700.0,	4189600.0,	6.3,	6.3,	0.0);	(	651725.0,	4189600.0,	6.5,	6.5,	0.0);
(	651425.0,	4189625.0,	5.3,	5.3,	0.0);	(	651450.0,	4189625.0,	5.3,	5.3,	0.0);
(	651475.0,	4189625.0,	5.3,	5.3,	0.0);	(	651500.0,	4189625.0,	5.3,	5.3,	0.0);
(	651525.0,	4189625.0,	5.3,	5.3,	0.0);	(	651550.0,	4189625.0,	5.3,	5.3,	0.0);
(	651575.0,	4189625.0,	5.3,	5.3,	0.0);	(	651600.0,	4189625.0,	5.4,	5.4,	0.0);
(	651625.0,	4189625.0,	5.6,	5.6,	0.0);	(	651650.0,	4189625.0,	5.7,	5.7,	0.0);
(	651675.0,	4189625.0,	5.9,	5.9,	0.0);	(	651700.0,	4189625.0,	6.1,	6.1,	0.0);
(	651725.0,	4189625.0,	6.4,	6.4,	0.0);	(	651425.0,	4189650.0,	5.3,	5.3,	0.0);
(	651450.0,	4189650.0,	5.3,	5.3,	0.0);	(	651475.0,	4189650.0,	5.3,	5.3,	0.0);
(	651500.0,	4189650.0,	5.3,	5.3,	0.0);	(	651525.0,	4189650.0,	5.3,	5.3,	0.0);
(	651550.0,	4189650.0,	5.3,	5.3,	0.0);	(	651575.0,	4189650.0,	5.3,	5.3,	0.0);
(	651600.0,	4189650.0,	5.3,	5.3,	0.0);	(	651625.0,	4189650.0,	5.4,	5.4,	0.0);
(	651650.0,	4189650.0,	5.5,	5.5,	0.0);	(	651675.0,	4189650.0,	5.7,	5.7,	0.0);
(	651700.0,	4189650.0,	6.0,	6.0,	0.0);	(	651725.0,	4189650.0,	6.4,	6.4,	0.0);
(	651425.0,	4189675.0,	5.3,	5.3,	0.0);	(	651450.0,	4189675.0,	5.3,	5.3,	0.0);
(	651475.0,	4189675.0,	5.3,	5.3,	0.0);	(	651500.0,	4189675.0,	5.3,	5.3,	0.0);
(	651525.0,	4189675.0,	5.3,	5.3,	0.0);	(	651550.0,	4189675.0,	5.3,	5.3,	0.0);
(	651575.0,	4189675.0,	5.3,	5.3,	0.0);	(	651600.0,	4189675.0,	5.3,	5.3,	0.0);
(	651625.0,	4189675.0,	5.3,	5.3,	0.0);	(	651650.0,	4189675.0,	5.3,	5.3,	0.0);
(	651675.0,	4189675.0,	5.5,	5.5,	0.0);	(	651700.0,	4189675.0,	5.9,	5.9,	0.0);
(	651725.0,	4189675.0,	6.4,	6.4,	0.0);	(	651425.0,	4189700.0,	5.3,	5.3,	0.0);
(	651450.0,	4189700.0,	5.3,	5.3,	0.0);	(	651475.0,	4189700.0,	5.3,	5.3,	0.0);
(	651500.0,	4189700.0,	5.3,	5.3,	0.0);	(	651525.0,	4189700.0,	5.3,	5.3,	0.0);
(	651550.0,	4189700.0,	5.3,	5.3,	0.0);	(	651575.0,	4189700.0,	5.3,	5.3,	0.0);
(	651600.0,	4189700.0,	5.3,	5.3,	0.0);	(	651625.0,	4189700.0,	5.3,	5.3,	0.0);
(	651650.0,	4189700.0,	5.3,	5.3,	0.0);	(	651675.0,	4189700.0,	5.4,	5.4,	0.0);
(	651700.0,	4189700.0,	5.9,	5.9,	0.0);	(	651725.0,	4189700.0,	6.4,	6.4,	0.0);
(	651425.0,	4189725.0,	5.3,	5.3,	0.0);	(	651450.0,	4189725.0,	5.3,	5.3,	0.0);
(	651475.0,	4189725.0,	5.3,	5.3,	0.0);	(	651500.0,	4189725.0,	5.3,	5.3,	0.0);
(	651525.0,	4189725.0,	5.3,	5.3,	0.0);	(	651550.0,	4189725.0,	5.3,	5.3,	0.0);
(	651575.0,	4189725.0,	5.3,	5.3,	0.0);	(	651600.0,	4189725.0,	5.3,	5.3,	0.0);
(	651625.0,	4189725.0,	5.3,	5.3,	0.0);	(	651650.0,	4189725.0,	5.3,	5.3,	0.0);
(	651675.0,	4189725.0,	5.5,	5.5,	0.0);	(	651700.0,	4189725.0,	6.0,	6.0,	0.0);
(	651725.0,	4189725.0,	6.4,	6.4,	0.0);	(	651475.0,	4186360.0,	6.9,	6.9,	0.0);
(	651500.0,	4186360.0,	6.9,	6.9,	0.0);	(	651525.0,	4186360.0,	6.9,	6.9,	0.0);
(	651550.0,	4186360.0,	6.9,	6.9,	0.0);	(	651575.0,	4186360.0,	6.9,	6.9,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(651600.0,	4186360.0,	6.9,	6.9,	0.0);	(651475.0,	4186385.0,	6.8,	6.8,	0.0);
(651500.0,	4186385.0,	6.8,	6.8,	0.0);	(651525.0,	4186385.0,	6.8,	6.8,	0.0);
(651550.0,	4186385.0,	6.8,	6.8,	0.0);	(651575.0,	4186385.0,	6.8,	6.8,	0.0);
(651600.0,	4186385.0,	6.8,	6.8,	0.0);	(651475.0,	4186410.0,	6.8,	6.8,	0.0);
(651500.0,	4186410.0,	6.8,	6.8,	0.0);	(651525.0,	4186410.0,	6.8,	6.8,	0.0);
(651550.0,	4186410.0,	6.8,	6.8,	0.0);	(651575.0,	4186410.0,	6.8,	6.8,	0.0);
(651600.0,	4186410.0,	6.8,	6.8,	0.0);	(651475.0,	4186435.0,	6.7,	6.7,	0.0);
(651500.0,	4186435.0,	6.8,	6.8,	0.0);	(651525.0,	4186435.0,	6.8,	6.8,	0.0);
(651550.0,	4186435.0,	6.8,	6.8,	0.0);	(651575.0,	4186435.0,	6.8,	6.8,	0.0);
(651600.0,	4186435.0,	6.8,	6.8,	0.0);	(651475.0,	4186460.0,	6.7,	6.7,	0.0);
(651500.0,	4186460.0,	6.7,	6.7,	0.0);	(651525.0,	4186460.0,	6.7,	6.7,	0.0);
(651550.0,	4186460.0,	6.7,	6.7,	0.0);	(651575.0,	4186460.0,	6.7,	6.7,	0.0);
(651600.0,	4186460.0,	6.7,	6.7,	0.0);	(651475.0,	4186485.0,	6.6,	6.6,	0.0);
(651500.0,	4186485.0,	6.6,	6.6,	0.0);	(651525.0,	4186485.0,	6.7,	6.7,	0.0);
(651550.0,	4186485.0,	6.7,	6.7,	0.0);	(651575.0,	4186485.0,	6.7,	6.7,	0.0);
(651600.0,	4186485.0,	6.7,	6.7,	0.0);	(651475.0,	4186510.0,	6.5,	6.5,	0.0);
(651500.0,	4186510.0,	6.6,	6.6,	0.0);	(651525.0,	4186510.0,	6.6,	6.6,	0.0);
(651550.0,	4186510.0,	6.6,	6.6,	0.0);	(651575.0,	4186510.0,	6.6,	6.6,	0.0);
(651600.0,	4186510.0,	6.6,	6.6,	0.0);	(651625.0,	4186510.0,	6.6,	6.6,	0.0);
(651650.0,	4186510.0,	6.6,	6.6,	0.0);	(651675.0,	4186510.0,	6.6,	6.6,	0.0);
(651700.0,	4186510.0,	6.7,	6.7,	0.0);	(651725.0,	4186510.0,	6.7,	6.7,	0.0);
(651475.0,	4186535.0,	6.5,	6.5,	0.0);	(651500.0,	4186535.0,	6.5,	6.5,	0.0);
(651525.0,	4186535.0,	6.6,	6.6,	0.0);	(651550.0,	4186535.0,	6.6,	6.6,	0.0);
(651575.0,	4186535.0,	6.6,	6.6,	0.0);	(651600.0,	4186535.0,	6.6,	6.6,	0.0);
(651625.0,	4186535.0,	6.6,	6.6,	0.0);	(651650.0,	4186535.0,	6.6,	6.6,	0.0);
(651675.0,	4186535.0,	6.6,	6.6,	0.0);	(651700.0,	4186535.0,	6.6,	6.6,	0.0);
(651725.0,	4186535.0,	6.7,	6.7,	0.0);	(651750.0,	4186535.0,	6.7,	6.7,	0.0);
(651475.0,	4186560.0,	6.5,	6.5,	0.0);	(651500.0,	4186560.0,	6.5,	6.5,	0.0);
(651525.0,	4186560.0,	6.5,	6.5,	0.0);	(651550.0,	4186560.0,	6.5,	6.5,	0.0);
(651575.0,	4186560.0,	6.5,	6.5,	0.0);	(651600.0,	4186560.0,	6.6,	6.6,	0.0);
(651625.0,	4186560.0,	6.6,	6.6,	0.0);	(651650.0,	4186560.0,	6.6,	6.6,	0.0);
(651675.0,	4186560.0,	6.6,	6.6,	0.0);	(651700.0,	4186560.0,	6.6,	6.6,	0.0);
(651725.0,	4186560.0,	6.7,	6.7,	0.0);	(651750.0,	4186560.0,	6.7,	6.7,	0.0);
(651775.0,	4186560.0,	6.8,	6.8,	0.0);	(651475.0,	4186585.0,	6.4,	6.4,	0.0);
(651500.0,	4186585.0,	6.5,	6.5,	0.0);	(651525.0,	4186585.0,	6.5,	6.5,	0.0);
(651550.0,	4186585.0,	6.5,	6.5,	0.0);	(651575.0,	4186585.0,	6.5,	6.5,	0.0);
(651625.0,	4186585.0,	6.5,	6.5,	0.0);	(651650.0,	4186585.0,	6.6,	6.6,	0.0);
(651675.0,	4186585.0,	6.6,	6.6,	0.0);	(651700.0,	4186585.0,	6.6,	6.6,	0.0);
(651725.0,	4186585.0,	6.7,	6.7,	0.0);	(651750.0,	4186585.0,	6.7,	6.7,	0.0);
(651775.0,	4186585.0,	6.8,	6.8,	0.0);	(651475.0,	4186610.0,	6.4,	6.4,	0.0);
(651500.0,	4186610.0,	6.4,	6.4,	0.0);	(651525.0,	4186610.0,	6.5,	6.5,	0.0);
(651550.0,	4186610.0,	6.5,	6.5,	0.0);	(651600.0,	4186610.0,	6.5,	6.5,	0.0);
(651625.0,	4186610.0,	6.5,	6.5,	0.0);	(651650.0,	4186610.0,	6.5,	6.5,	0.0);
(651675.0,	4186610.0,	6.6,	6.6,	0.0);	(651700.0,	4186610.0,	6.6,	6.6,	0.0);
(651725.0,	4186610.0,	6.7,	6.7,	0.0);	(651750.0,	4186610.0,	6.7,	6.7,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(651775.0,	4186610.0,	6.8,	6.8,	0.0);	(651475.0,	4186635.0,	6.4,	6.4,	0.0);
(651500.0,	4186635.0,	6.4,	6.4,	0.0);	(651525.0,	4186635.0,	6.4,	6.4,	0.0);
(651550.0,	4186635.0,	6.5,	6.5,	0.0);	(651575.0,	4186635.0,	6.5,	6.5,	0.0);
(651600.0,	4186635.0,	6.5,	6.5,	0.0);	(651625.0,	4186635.0,	6.5,	6.5,	0.0);
(651650.0,	4186635.0,	6.5,	6.5,	0.0);	(651675.0,	4186635.0,	6.6,	6.6,	0.0);
(651700.0,	4186635.0,	6.6,	6.6,	0.0);	(651725.0,	4186635.0,	6.7,	6.7,	0.0);
(651750.0,	4186635.0,	6.7,	6.7,	0.0);	(651775.0,	4186635.0,	6.8,	6.8,	0.0);
(651475.0,	4186660.0,	6.3,	6.3,	0.0);	(651500.0,	4186660.0,	6.4,	6.4,	0.0);
(651525.0,	4186660.0,	6.4,	6.4,	0.0);	(651700.0,	4186660.0,	6.6,	6.6,	0.0);
(651725.0,	4186660.0,	6.7,	6.7,	0.0);	(651750.0,	4186660.0,	6.7,	6.7,	0.0);
(651775.0,	4186660.0,	6.8,	6.8,	0.0);	(651475.0,	4186685.0,	6.3,	6.3,	0.0);
(651500.0,	4186685.0,	6.3,	6.3,	0.0);	(651525.0,	4186685.0,	6.4,	6.4,	0.0);
(651575.0,	4186685.0,	6.4,	6.4,	0.0);	(651600.0,	4186685.0,	6.5,	6.5,	0.0);
(651625.0,	4186685.0,	6.5,	6.5,	0.0);	(651650.0,	4186685.0,	6.5,	6.5,	0.0);
(651675.0,	4186685.0,	6.6,	6.6,	0.0);	(651700.0,	4186685.0,	6.6,	6.6,	0.0);
(651725.0,	4186685.0,	6.7,	6.7,	0.0);	(651750.0,	4186685.0,	6.7,	6.7,	0.0);
(651775.0,	4186685.0,	6.8,	6.8,	0.0);	(651475.0,	4186710.0,	6.3,	6.3,	0.0);
(651500.0,	4186710.0,	6.3,	6.3,	0.0);	(651525.0,	4186710.0,	6.4,	6.4,	0.0);
(651575.0,	4186710.0,	6.4,	6.4,	0.0);	(651600.0,	4186710.0,	6.5,	6.5,	0.0);
(651625.0,	4186710.0,	6.5,	6.5,	0.0);	(651650.0,	4186710.0,	6.5,	6.5,	0.0);
(651675.0,	4186710.0,	6.6,	6.6,	0.0);	(651700.0,	4186710.0,	6.6,	6.6,	0.0);
(651725.0,	4186710.0,	6.7,	6.7,	0.0);	(651750.0,	4186710.0,	6.7,	6.7,	0.0);
(651775.0,	4186710.0,	6.8,	6.8,	0.0);	(651700.0,	4186735.0,	6.6,	6.6,	0.0);
(651725.0,	4186735.0,	6.7,	6.7,	0.0);	(651750.0,	4186735.0,	6.7,	6.7,	0.0);
(651775.0,	4186735.0,	6.8,	6.8,	0.0);	(651475.0,	4186760.0,	6.3,	6.3,	0.0);
(651500.0,	4186760.0,	6.3,	6.3,	0.0);	(651525.0,	4186760.0,	6.4,	6.4,	0.0);
(651575.0,	4186760.0,	6.5,	6.5,	0.0);	(651600.0,	4186760.0,	6.5,	6.5,	0.0);
(651625.0,	4186760.0,	6.5,	6.5,	0.0);	(651650.0,	4186760.0,	6.6,	6.6,	0.0);
(651675.0,	4186760.0,	6.6,	6.6,	0.0);	(651700.0,	4186760.0,	6.7,	6.7,	0.0);
(651725.0,	4186760.0,	6.7,	6.7,	0.0);	(651750.0,	4186760.0,	6.7,	6.7,	0.0);
(651775.0,	4186760.0,	6.8,	6.8,	0.0);	(651475.0,	4186785.0,	6.3,	6.3,	0.0);
(651500.0,	4186785.0,	6.3,	6.3,	0.0);	(651525.0,	4186785.0,	6.4,	6.4,	0.0);
(651575.0,	4186785.0,	6.5,	6.5,	0.0);	(651600.0,	4186785.0,	6.5,	6.5,	0.0);
(651625.0,	4186785.0,	6.5,	6.5,	0.0);	(651650.0,	4186785.0,	6.6,	6.6,	0.0);
(651675.0,	4186785.0,	6.6,	6.6,	0.0);	(651700.0,	4186785.0,	6.7,	6.7,	0.0);
(651725.0,	4186785.0,	6.7,	6.7,	0.0);	(651750.0,	4186785.0,	6.7,	6.7,	0.0);
(651775.0,	4186785.0,	6.8,	6.8,	0.0);	(651575.0,	4186835.0,	6.5,	6.5,	0.0);
(651625.0,	4186835.0,	6.5,	6.5,	0.0);	(651650.0,	4186835.0,	6.6,	6.6,	0.0);
(651675.0,	4186835.0,	6.6,	6.6,	0.0);	(651700.0,	4186835.0,	6.7,	6.7,	0.0);
(651750.0,	4186835.0,	6.7,	6.7,	0.0);	(651775.0,	4186835.0,	6.8,	6.8,	0.0);
(651575.0,	4186860.0,	6.5,	6.5,	0.0);	(651625.0,	4186860.0,	6.5,	6.5,	0.0);
(651650.0,	4186860.0,	6.6,	6.6,	0.0);	(651675.0,	4186860.0,	6.6,	6.6,	0.0);
(651700.0,	4186860.0,	6.7,	6.7,	0.0);	(651750.0,	4186860.0,	6.7,	6.7,	0.0);
(651775.0,	4186860.0,	6.8,	6.8,	0.0);	(651575.0,	4186885.0,	6.4,	6.4,	0.0);
(651625.0,	4186885.0,	6.5,	6.5,	0.0);	(651650.0,	4186885.0,	6.5,	6.5,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(651675.0,	4186885.0,	6.6,	6.6,	0.0);	(651700.0,	4186885.0,	6.6,	6.6,	0.0);
(651750.0,	4186885.0,	6.7,	6.7,	0.0);	(651775.0,	4186885.0,	6.8,	6.8,	0.0);
(651575.0,	4186910.0,	6.4,	6.4,	0.0);	(651625.0,	4186910.0,	6.5,	6.5,	0.0);
(651650.0,	4186910.0,	6.5,	6.5,	0.0);	(651675.0,	4186910.0,	6.6,	6.6,	0.0);
(651700.0,	4186910.0,	6.6,	6.6,	0.0);	(651750.0,	4186910.0,	6.7,	6.7,	0.0);
(651775.0,	4186910.0,	6.8,	6.8,	0.0);	(651575.0,	4186935.0,	6.4,	6.4,	0.0);
(651625.0,	4186935.0,	6.5,	6.5,	0.0);	(651650.0,	4186935.0,	6.5,	6.5,	0.0);
(651675.0,	4186935.0,	6.6,	6.6,	0.0);	(651700.0,	4186935.0,	6.6,	6.6,	0.0);
(651750.0,	4186935.0,	6.7,	6.7,	0.0);	(651775.0,	4186935.0,	6.8,	6.8,	0.0);
(651575.0,	4186960.0,	6.4,	6.4,	0.0);	(651625.0,	4186960.0,	6.5,	6.5,	0.0);
(651650.0,	4186960.0,	6.5,	6.5,	0.0);	(651675.0,	4186960.0,	6.6,	6.6,	0.0);
(651700.0,	4186960.0,	6.6,	6.6,	0.0);	(651750.0,	4186960.0,	6.8,	6.8,	0.0);
(651575.0,	4186985.0,	6.4,	6.4,	0.0);	(651625.0,	4186985.0,	6.5,	6.5,	0.0);
(651650.0,	4186985.0,	6.5,	6.5,	0.0);	(651675.0,	4186985.0,	6.6,	6.6,	0.0);
(651700.0,	4186985.0,	6.6,	6.6,	0.0);	(651750.0,	4186985.0,	6.8,	6.8,	0.0);
(651575.0,	4187010.0,	6.4,	6.4,	0.0);	(651625.0,	4187010.0,	6.5,	6.5,	0.0);
(651650.0,	4187010.0,	6.5,	6.5,	0.0);	(651675.0,	4187010.0,	6.6,	6.6,	0.0);
(651700.0,	4187010.0,	6.6,	6.6,	0.0);	(651750.0,	4187010.0,	6.8,	6.8,	0.0);
(651575.0,	4187035.0,	6.4,	6.4,	0.0);	(651625.0,	4187035.0,	6.5,	6.5,	0.0);
(651650.0,	4187035.0,	6.6,	6.6,	0.0);	(651675.0,	4187035.0,	6.6,	6.6,	0.0);
(651700.0,	4187035.0,	6.7,	6.7,	0.0);	(651750.0,	4187035.0,	6.8,	6.8,	0.0);
(651575.0,	4187060.0,	6.4,	6.4,	0.0);	(651625.0,	4187060.0,	6.5,	6.5,	0.0);
(651650.0,	4187060.0,	6.6,	6.6,	0.0);	(651675.0,	4187060.0,	6.6,	6.6,	0.0);
(651700.0,	4187060.0,	6.7,	6.7,	0.0);	(651750.0,	4187060.0,	6.8,	6.8,	0.0);
(651575.0,	4187085.0,	6.4,	6.4,	0.0);	(651625.0,	4187085.0,	6.5,	6.5,	0.0);
(651650.0,	4187085.0,	6.6,	6.6,	0.0);	(651675.0,	4187085.0,	6.6,	6.6,	0.0);
(651700.0,	4187085.0,	6.7,	6.7,	0.0);	(651750.0,	4187085.0,	6.8,	6.8,	0.0);
(651475.0,	4187135.0,	6.2,	6.2,	0.0);	(651500.0,	4187135.0,	6.2,	6.2,	0.0);
(651525.0,	4187135.0,	6.3,	6.3,	0.0);	(651550.0,	4187135.0,	6.4,	6.4,	0.0);
(651575.0,	4187135.0,	6.4,	6.4,	0.0);	(651625.0,	4187135.0,	6.5,	6.5,	0.0);
(651650.0,	4187135.0,	6.6,	6.6,	0.0);	(651475.0,	4187160.0,	6.2,	6.2,	0.0);
(651500.0,	4187160.0,	6.3,	6.3,	0.0);	(651525.0,	4187160.0,	6.3,	6.3,	0.0);
(651550.0,	4187160.0,	6.4,	6.4,	0.0);	(651575.0,	4187160.0,	6.4,	6.4,	0.0);
(651625.0,	4187160.0,	6.5,	6.5,	0.0);	(651650.0,	4187160.0,	6.5,	6.5,	0.0);
(651475.0,	4187185.0,	6.2,	6.2,	0.0);	(651500.0,	4187185.0,	6.2,	6.2,	0.0);
(651525.0,	4187185.0,	6.3,	6.3,	0.0);	(651550.0,	4187185.0,	6.3,	6.3,	0.0);
(651575.0,	4187185.0,	6.4,	6.4,	0.0);	(651625.0,	4187185.0,	6.5,	6.5,	0.0);
(651650.0,	4187185.0,	6.5,	6.5,	0.0);	(651475.0,	4187210.0,	6.2,	6.2,	0.0);
(651500.0,	4187210.0,	6.2,	6.2,	0.0);	(651525.0,	4187210.0,	6.3,	6.3,	0.0);
(651550.0,	4187210.0,	6.3,	6.3,	0.0);	(651575.0,	4187210.0,	6.4,	6.4,	0.0);
(651625.0,	4187210.0,	6.5,	6.5,	0.0);	(651650.0,	4187210.0,	6.5,	6.5,	0.0);
(651475.0,	4187235.0,	6.2,	6.2,	0.0);	(651500.0,	4187235.0,	6.2,	6.2,	0.0);
(651525.0,	4187235.0,	6.3,	6.3,	0.0);	(651550.0,	4187235.0,	6.3,	6.3,	0.0);
(651575.0,	4187235.0,	6.4,	6.4,	0.0);	(651625.0,	4187235.0,	6.5,	6.5,	0.0);
(651650.0,	4187235.0,	6.5,	6.5,	0.0);	(651475.0,	4187260.0,	6.2,	6.2,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(651500.0,	4187260.0,	6.2,	6.2,	0.0);	(651525.0,	4187260.0,	6.3,	6.3,	0.0);
(651550.0,	4187260.0,	6.3,	6.3,	0.0);	(651575.0,	4187260.0,	6.4,	6.4,	0.0);
(651625.0,	4187260.0,	6.5,	6.5,	0.0);	(651650.0,	4187260.0,	6.5,	6.5,	0.0);
(651675.0,	4187260.0,	6.6,	6.6,	0.0);	(651700.0,	4187260.0,	6.6,	6.6,	0.0);
(651475.0,	4187285.0,	6.1,	6.1,	0.0);	(651500.0,	4187285.0,	6.2,	6.2,	0.0);
(651525.0,	4187285.0,	6.2,	6.2,	0.0);	(651550.0,	4187285.0,	6.3,	6.3,	0.0);
(651575.0,	4187285.0,	6.4,	6.4,	0.0);	(651625.0,	4187285.0,	6.5,	6.5,	0.0);
(651650.0,	4187285.0,	6.5,	6.5,	0.0);	(651675.0,	4187285.0,	6.6,	6.6,	0.0);
(651700.0,	4187285.0,	6.6,	6.6,	0.0);	(651475.0,	4187310.0,	6.1,	6.1,	0.0);
(651500.0,	4187310.0,	6.2,	6.2,	0.0);	(651525.0,	4187310.0,	6.2,	6.2,	0.0);
(651550.0,	4187310.0,	6.3,	6.3,	0.0);	(651575.0,	4187310.0,	6.3,	6.3,	0.0);
(651625.0,	4187310.0,	6.5,	6.5,	0.0);	(651650.0,	4187310.0,	6.5,	6.5,	0.0);
(651675.0,	4187310.0,	6.6,	6.6,	0.0);	(651700.0,	4187310.0,	6.6,	6.6,	0.0);
(651475.0,	4187335.0,	6.1,	6.1,	0.0);	(651500.0,	4187335.0,	6.1,	6.1,	0.0);
(651525.0,	4187335.0,	6.2,	6.2,	0.0);	(651550.0,	4187335.0,	6.3,	6.3,	0.0);
(651575.0,	4187335.0,	6.3,	6.3,	0.0);	(651625.0,	4187335.0,	6.5,	6.5,	0.0);
(651650.0,	4187335.0,	6.5,	6.5,	0.0);	(651675.0,	4187335.0,	6.5,	6.5,	0.0);
(651700.0,	4187335.0,	6.6,	6.6,	0.0);	(651475.0,	4187360.0,	6.1,	6.1,	0.0);
(651500.0,	4187360.0,	6.1,	6.1,	0.0);	(651525.0,	4187360.0,	6.2,	6.2,	0.0);
(651550.0,	4187360.0,	6.3,	6.3,	0.0);	(651575.0,	4187360.0,	6.3,	6.3,	0.0);
(651625.0,	4187360.0,	6.4,	6.4,	0.0);	(651650.0,	4187360.0,	6.5,	6.5,	0.0);
(651675.0,	4187360.0,	6.5,	6.5,	0.0);	(651700.0,	4187360.0,	6.6,	6.6,	0.0);
(651475.0,	4187385.0,	6.0,	6.0,	0.0);	(651500.0,	4187385.0,	6.1,	6.1,	0.0);
(651525.0,	4187385.0,	6.2,	6.2,	0.0);	(651550.0,	4187385.0,	6.2,	6.2,	0.0);
(651575.0,	4187385.0,	6.3,	6.3,	0.0);	(651625.0,	4187385.0,	6.4,	6.4,	0.0);
(651650.0,	4187385.0,	6.5,	6.5,	0.0);	(651675.0,	4187385.0,	6.5,	6.5,	0.0);
(651700.0,	4187385.0,	6.6,	6.6,	0.0);	(651475.0,	4187410.0,	6.0,	6.0,	0.0);
(651500.0,	4187410.0,	6.1,	6.1,	0.0);	(651525.0,	4187410.0,	6.1,	6.1,	0.0);
(651550.0,	4187410.0,	6.2,	6.2,	0.0);	(651575.0,	4187410.0,	6.3,	6.3,	0.0);
(651625.0,	4187410.0,	6.4,	6.4,	0.0);	(651650.0,	4187410.0,	6.5,	6.5,	0.0);
(651675.0,	4187410.0,	6.5,	6.5,	0.0);	(651700.0,	4187410.0,	6.6,	6.6,	0.0);
(651475.0,	4187435.0,	6.0,	6.0,	0.0);	(651500.0,	4187435.0,	6.0,	6.0,	0.0);
(651525.0,	4187435.0,	6.1,	6.1,	0.0);	(651550.0,	4187435.0,	6.2,	6.2,	0.0);
(651575.0,	4187435.0,	6.3,	6.3,	0.0);	(651625.0,	4187435.0,	6.4,	6.4,	0.0);
(651650.0,	4187435.0,	6.5,	6.5,	0.0);	(651675.0,	4187435.0,	6.5,	6.5,	0.0);
(651700.0,	4187435.0,	6.6,	6.6,	0.0);	(651475.0,	4187460.0,	5.9,	5.9,	0.0);
(651500.0,	4187460.0,	6.0,	6.0,	0.0);	(651525.0,	4187460.0,	6.1,	6.1,	0.0);
(651550.0,	4187460.0,	6.2,	6.2,	0.0);	(651575.0,	4187460.0,	6.3,	6.3,	0.0);
(651625.0,	4187460.0,	6.4,	6.4,	0.0);	(651650.0,	4187460.0,	6.5,	6.5,	0.0);
(651675.0,	4187460.0,	6.5,	6.5,	0.0);	(651700.0,	4187460.0,	6.6,	6.6,	0.0);
(651475.0,	4187485.0,	5.9,	5.9,	0.0);	(651500.0,	4187485.0,	6.0,	6.0,	0.0);
(651525.0,	4187485.0,	6.1,	6.1,	0.0);	(651550.0,	4187485.0,	6.2,	6.2,	0.0);
(651575.0,	4187485.0,	6.2,	6.2,	0.0);	(651625.0,	4187485.0,	6.4,	6.4,	0.0);
(651650.0,	4187485.0,	6.5,	6.5,	0.0);	(651675.0,	4187485.0,	6.5,	6.5,	0.0);
(651700.0,	4187485.0,	6.6,	6.6,	0.0);	(651475.0,	4187510.0,	5.9,	5.9,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(651500.0,	4187510.0,	6.0,	6.0,	0.0);	(651525.0,	4187510.0,	6.1,	6.1,	0.0);
(651550.0,	4187510.0,	6.2,	6.2,	0.0);	(651575.0,	4187510.0,	6.2,	6.2,	0.0);
(651625.0,	4187510.0,	6.4,	6.4,	0.0);	(651650.0,	4187510.0,	6.5,	6.5,	0.0);
(651675.0,	4187510.0,	6.5,	6.5,	0.0);	(651700.0,	4187510.0,	6.6,	6.6,	0.0);
(651475.0,	4187535.0,	5.9,	5.9,	0.0);	(651500.0,	4187535.0,	6.0,	6.0,	0.0);
(651525.0,	4187535.0,	6.1,	6.1,	0.0);	(651550.0,	4187535.0,	6.1,	6.1,	0.0);
(651575.0,	4187535.0,	6.2,	6.2,	0.0);	(651625.0,	4187535.0,	6.4,	6.4,	0.0);
(651650.0,	4187535.0,	6.4,	6.4,	0.0);	(651675.0,	4187535.0,	6.5,	6.5,	0.0);
(651700.0,	4187535.0,	6.6,	6.6,	0.0);	(651475.0,	4187560.0,	5.9,	5.9,	0.0);
(651500.0,	4187560.0,	6.0,	6.0,	0.0);	(651525.0,	4187560.0,	6.1,	6.1,	0.0);
(651550.0,	4187560.0,	6.1,	6.1,	0.0);	(651575.0,	4187560.0,	6.2,	6.2,	0.0);
(651625.0,	4187560.0,	6.4,	6.4,	0.0);	(651650.0,	4187560.0,	6.4,	6.4,	0.0);
(651675.0,	4187560.0,	6.5,	6.5,	0.0);	(651700.0,	4187560.0,	6.6,	6.6,	0.0);
(651725.0,	4187560.0,	6.6,	6.6,	0.0);	(651750.0,	4187560.0,	6.7,	6.7,	0.0);
(651475.0,	4187585.0,	5.9,	5.9,	0.0);	(651500.0,	4187585.0,	6.0,	6.0,	0.0);
(651525.0,	4187585.0,	6.1,	6.1,	0.0);	(651550.0,	4187585.0,	6.1,	6.1,	0.0);
(651575.0,	4187585.0,	6.2,	6.2,	0.0);	(651625.0,	4187585.0,	6.3,	6.3,	0.0);
(651650.0,	4187585.0,	6.4,	6.4,	0.0);	(651675.0,	4187585.0,	6.5,	6.5,	0.0);
(651700.0,	4187585.0,	6.5,	6.5,	0.0);	(651725.0,	4187585.0,	6.6,	6.6,	0.0);
(651750.0,	4187585.0,	6.7,	6.7,	0.0);	(651475.0,	4187610.0,	6.0,	6.0,	0.0);
(651500.0,	4187610.0,	6.1,	6.1,	0.0);	(651525.0,	4187610.0,	6.1,	6.1,	0.0);
(651550.0,	4187610.0,	6.2,	6.2,	0.0);	(651575.0,	4187610.0,	6.2,	6.2,	0.0);
(651625.0,	4187610.0,	6.3,	6.3,	0.0);	(651650.0,	4187610.0,	6.4,	6.4,	0.0);
(651675.0,	4187610.0,	6.4,	6.4,	0.0);	(651700.0,	4187610.0,	6.5,	6.5,	0.0);
(651725.0,	4187610.0,	6.6,	6.6,	0.0);	(651750.0,	4187610.0,	6.7,	6.7,	0.0);
(651475.0,	4187635.0,	6.2,	6.2,	0.0);	(651500.0,	4187635.0,	6.2,	6.2,	0.0);
(651525.0,	4187635.0,	6.2,	6.2,	0.0);	(651550.0,	4187635.0,	6.2,	6.2,	0.0);
(651575.0,	4187635.0,	6.2,	6.2,	0.0);	(651625.0,	4187635.0,	6.3,	6.3,	0.0);
(651650.0,	4187635.0,	6.3,	6.3,	0.0);	(651675.0,	4187635.0,	6.4,	6.4,	0.0);
(651700.0,	4187635.0,	6.5,	6.5,	0.0);	(651725.0,	4187635.0,	6.6,	6.6,	0.0);
(651750.0,	4187635.0,	6.7,	6.7,	0.0);	(651475.0,	4187660.0,	6.5,	6.5,	0.0);
(651500.0,	4187660.0,	6.4,	6.4,	0.0);	(651525.0,	4187660.0,	6.3,	6.3,	0.0);
(651550.0,	4187660.0,	6.2,	6.2,	0.0);	(651575.0,	4187660.0,	6.2,	6.2,	0.0);
(651625.0,	4187660.0,	6.2,	6.2,	0.0);	(651650.0,	4187660.0,	6.3,	6.3,	0.0);
(651675.0,	4187660.0,	6.4,	6.4,	0.0);	(651700.0,	4187660.0,	6.5,	6.5,	0.0);
(651725.0,	4187660.0,	6.6,	6.6,	0.0);	(651750.0,	4187660.0,	6.6,	6.6,	0.0);
(651475.0,	4187685.0,	6.8,	6.8,	0.0);	(651500.0,	4187685.0,	6.7,	6.7,	0.0);
(651525.0,	4187685.0,	6.5,	6.5,	0.0);	(651550.0,	4187685.0,	6.3,	6.3,	0.0);
(651575.0,	4187685.0,	6.2,	6.2,	0.0);	(651625.0,	4187685.0,	6.2,	6.2,	0.0);
(651650.0,	4187685.0,	6.3,	6.3,	0.0);	(651675.0,	4187685.0,	6.3,	6.3,	0.0);
(651700.0,	4187685.0,	6.4,	6.4,	0.0);	(651725.0,	4187685.0,	6.5,	6.5,	0.0);
(651750.0,	4187685.0,	6.6,	6.6,	0.0);	(651475.0,	4187710.0,	6.8,	6.8,	0.0);
(651500.0,	4187710.0,	6.8,	6.8,	0.0);	(651525.0,	4187710.0,	6.6,	6.6,	0.0);
(651550.0,	4187710.0,	6.3,	6.3,	0.0);	(651575.0,	4187710.0,	6.2,	6.2,	0.0);
(651625.0,	4187710.0,	6.1,	6.1,	0.0);	(651650.0,	4187710.0,	6.2,	6.2,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(651675.0,	4187710.0,	6.2,	6.2,	0.0);	(651700.0,	4187710.0,	6.3,	6.3,	0.0);
(651725.0,	4187710.0,	6.4,	6.4,	0.0);	(651750.0,	4187710.0,	6.6,	6.6,	0.0);
(651475.0,	4187735.0,	6.9,	6.9,	0.0);	(651500.0,	4187735.0,	6.8,	6.8,	0.0);
(651525.0,	4187735.0,	6.6,	6.6,	0.0);	(651550.0,	4187735.0,	6.3,	6.3,	0.0);
(651575.0,	4187735.0,	6.2,	6.2,	0.0);	(651625.0,	4187735.0,	6.1,	6.1,	0.0);
(651650.0,	4187735.0,	6.1,	6.1,	0.0);	(651675.0,	4187735.0,	6.1,	6.1,	0.0);
(651700.0,	4187735.0,	6.1,	6.1,	0.0);	(651725.0,	4187735.0,	6.2,	6.2,	0.0);
(651750.0,	4187735.0,	6.5,	6.5,	0.0);	(651475.0,	4187760.0,	6.8,	6.8,	0.0);
(651500.0,	4187760.0,	6.7,	6.7,	0.0);	(651525.0,	4187760.0,	6.5,	6.5,	0.0);
(651550.0,	4187760.0,	6.3,	6.3,	0.0);	(651575.0,	4187760.0,	6.1,	6.1,	0.0);
(651625.0,	4187760.0,	5.9,	5.9,	0.0);	(651650.0,	4187760.0,	5.9,	5.9,	0.0);
(651675.0,	4187760.0,	5.9,	5.9,	0.0);	(651700.0,	4187760.0,	5.8,	5.8,	0.0);
(651725.0,	4187760.0,	5.9,	5.9,	0.0);	(651750.0,	4187760.0,	6.2,	6.2,	0.0);
(651475.0,	4187785.0,	6.5,	6.5,	0.0);	(651500.0,	4187785.0,	6.5,	6.5,	0.0);
(651525.0,	4187785.0,	6.4,	6.4,	0.0);	(651550.0,	4187785.0,	6.2,	6.2,	0.0);
(651575.0,	4187785.0,	6.0,	6.0,	0.0);	(651625.0,	4187785.0,	5.8,	5.8,	0.0);
(651650.0,	4187785.0,	5.7,	5.7,	0.0);	(651675.0,	4187785.0,	5.6,	5.6,	0.0);
(651700.0,	4187785.0,	5.5,	5.5,	0.0);	(651725.0,	4187785.0,	5.5,	5.5,	0.0);
(651750.0,	4187785.0,	5.8,	5.8,	0.0);	(651475.0,	4187810.0,	6.3,	6.3,	0.0);
(651500.0,	4187810.0,	6.2,	6.2,	0.0);	(651525.0,	4187810.0,	6.1,	6.1,	0.0);
(651550.0,	4187810.0,	6.0,	6.0,	0.0);	(651575.0,	4187810.0,	5.9,	5.9,	0.0);
(651625.0,	4187810.0,	5.7,	5.7,	0.0);	(651650.0,	4187810.0,	5.5,	5.5,	0.0);
(651675.0,	4187810.0,	5.5,	5.5,	0.0);	(651700.0,	4187810.0,	5.4,	5.4,	0.0);
(651725.0,	4187810.0,	5.4,	5.4,	0.0);	(651750.0,	4187810.0,	5.6,	5.6,	0.0);
(651475.0,	4187835.0,	6.0,	6.0,	0.0);	(651500.0,	4187835.0,	6.0,	6.0,	0.0);
(651525.0,	4187835.0,	5.9,	5.9,	0.0);	(651550.0,	4187835.0,	5.8,	5.8,	0.0);
(651575.0,	4187835.0,	5.7,	5.7,	0.0);	(651625.0,	4187835.0,	5.6,	5.6,	0.0);
(651650.0,	4187835.0,	5.5,	5.5,	0.0);	(651675.0,	4187835.0,	5.5,	5.5,	0.0);
(651700.0,	4187835.0,	5.4,	5.4,	0.0);	(651725.0,	4187835.0,	5.5,	5.5,	0.0);
(651750.0,	4187835.0,	5.8,	5.8,	0.0);	(651475.0,	4187860.0,	5.8,	5.8,	0.0);
(651500.0,	4187860.0,	5.8,	5.8,	0.0);	(651525.0,	4187860.0,	5.7,	5.7,	0.0);
(651550.0,	4187860.0,	5.6,	5.6,	0.0);	(651575.0,	4187860.0,	5.5,	5.5,	0.0);
(651625.0,	4187860.0,	5.5,	5.5,	0.0);	(651650.0,	4187860.0,	5.5,	5.5,	0.0);
(651675.0,	4187860.0,	5.5,	5.5,	0.0);	(651700.0,	4187860.0,	5.6,	5.6,	0.0);
(651725.0,	4187860.0,	5.7,	5.7,	0.0);	(651750.0,	4187860.0,	6.1,	6.1,	0.0);
(651475.0,	4187885.0,	5.7,	5.7,	0.0);	(651500.0,	4187885.0,	5.6,	5.6,	0.0);
(651525.0,	4187885.0,	5.5,	5.5,	0.0);	(651550.0,	4187885.0,	5.4,	5.4,	0.0);
(651575.0,	4187885.0,	5.3,	5.3,	0.0);	(651625.0,	4187885.0,	5.4,	5.4,	0.0);
(651650.0,	4187885.0,	5.4,	5.4,	0.0);	(651675.0,	4187885.0,	5.5,	5.5,	0.0);
(651700.0,	4187885.0,	5.6,	5.6,	0.0);	(651725.0,	4187885.0,	5.9,	5.9,	0.0);
(651750.0,	4187885.0,	6.2,	6.2,	0.0);	(651475.0,	4187910.0,	5.5,	5.5,	0.0);
(651500.0,	4187910.0,	5.5,	5.5,	0.0);	(651525.0,	4187910.0,	5.4,	5.4,	0.0);
(651550.0,	4187910.0,	5.3,	5.3,	0.0);	(651575.0,	4187910.0,	5.3,	5.3,	0.0);
(651625.0,	4187910.0,	5.3,	5.3,	0.0);	(651650.0,	4187910.0,	5.3,	5.3,	0.0);
(651675.0,	4187910.0,	5.3,	5.3,	0.0);	(651700.0,	4187910.0,	5.4,	5.4,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(651725.0,	4187910.0,	5.8,	5.8,	0.0);	(651750.0,	4187910.0,	6.3,	6.3,	0.0);
(651475.0,	4187935.0,	5.4,	5.4,	0.0);	(651500.0,	4187935.0,	5.4,	5.4,	0.0);
(651525.0,	4187935.0,	5.4,	5.4,	0.0);	(651550.0,	4187935.0,	5.3,	5.3,	0.0);
(651575.0,	4187935.0,	5.3,	5.3,	0.0);	(651625.0,	4187935.0,	5.3,	5.3,	0.0);
(651650.0,	4187935.0,	5.3,	5.3,	0.0);	(651675.0,	4187935.0,	5.3,	5.3,	0.0);
(651700.0,	4187935.0,	5.4,	5.4,	0.0);	(651725.0,	4187935.0,	5.8,	5.8,	0.0);
(651750.0,	4187935.0,	6.1,	6.1,	0.0);	(648794.0,	4183823.0,	9.1,	9.1,	0.0);
(648814.5,	4183840.5,	10.0,	10.0,	0.0);	(648821.4,	4183860.4,	10.2,	10.2,	0.0);
(648751.3,	4183835.2,	7.0,	7.0,	0.0);	(648764.2,	4183852.0,	7.3,	7.3,	0.0);
(648774.2,	4183868.0,	7.9,	7.9,	0.0);	(648789.4,	4183882.5,	8.1,	8.1,	0.0);
(648791.7,	4183768.2,	8.5,	8.5,	0.0);	(648813.0,	4183772.0,	8.9,	8.9,	0.0);
(648829.8,	4183781.9,	9.1,	9.1,	0.0);	(648711.7,	4183866.5,	7.0,	7.0,	0.0);
(648682.7,	4183885.5,	6.0,	6.0,	0.0);	(648664.4,	4183896.9,	5.9,	5.9,	0.0);

```
                                              *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                               (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1

               NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.


                                    *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                                            (METERS/SEC)

                                                 1.54,   3.09,   5.14,   8.23,  10.80,
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Modesto_23258\Modesto_12-16 Met Version: 16216
Profile file: ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Modesto_23258\Modesto_12-16
Surface format: FREE
Profile format: FREE
Surface station no.: 23258 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2012 Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
12	01	01	1	01	-11.0	0.189	-9.000	-9.000	-999.	197.	56.0	0.06	0.91	1.00	2.86	91.	10.0	276.4	2.0
12	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.08	0.91	1.00	0.00	0.	10.0	276.4	2.0
12	01	01	1	03	-0.9	0.036	-9.000	-9.000	-999.	16.	4.7	0.10	0.91	1.00	0.83	158.	10.0	276.4	2.0
12	01	01	1	04	-0.7	0.032	-9.000	-9.000	-999.	14.	4.2	0.10	0.91	1.00	0.74	164.	10.0	276.4	2.0
12	01	01	1	05	-0.7	0.031	-9.000	-9.000	-999.	13.	3.8	0.06	0.91	1.00	0.79	94.	10.0	275.9	2.0
12	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.08	0.91	1.00	0.00	0.	10.0	275.4	2.0
12	01	01	1	07	-0.8	0.032	-9.000	-9.000	-999.	14.	4.0	0.06	0.91	1.00	0.84	132.	10.0	274.9	2.0
12	01	01	1	08	-1.7	0.048	-9.000	-9.000	-999.	25.	5.9	0.06	0.91	0.71	1.23	101.	10.0	275.9	2.0
12	01	01	1	09	-2.3	0.098	-9.000	-9.000	-999.	73.	37.1	0.06	0.91	0.38	1.59	104.	10.0	276.4	2.0
12	01	01	1	10	7.1	0.164	0.163	0.012	22.	159.	-56.6	0.06	0.91	0.27	1.94	102.	10.0	277.0	2.0
12	01	01	1	11	15.6	0.130	0.257	0.012	39.	113.	-12.8	0.06	0.91	0.23	1.37	121.	10.0	278.1	2.0
12	01	01	1	12	20.6	0.140	0.356	0.012	79.	126.	-12.2	0.06	0.91	0.21	1.47	135.	10.0	280.4	2.0
12	01	01	1	13	21.3	0.142	0.397	0.012	106.	129.	-12.3	0.06	0.91	0.21	1.48	94.	10.0	281.4	2.0
12	01	01	1	14	85.2	0.209	0.863	0.010	273.	230.	-9.7	0.09	0.91	0.22	1.91	89.	10.0	284.9	2.0
12	01	01	1	15	55.7	0.161	0.821	0.015	361.	156.	-6.8	0.09	0.91	0.26	1.40	67.	10.0	286.4	2.0
12	01	01	1	16	13.1	0.094	0.516	0.016	379.	70.	-5.8	0.06	0.91	0.35	0.89	99.	10.0	287.0	2.0
12	01	01	1	17	-2.7	0.054	-9.000	-9.000	-999.	30.	5.3	0.10	0.91	0.60	1.25	161.	10.0	283.8	2.0
12	01	01	1	18	-4.6	0.068	-9.000	-9.000	-999.	43.	6.4	0.10	0.91	1.00	1.59	261.	10.0	282.0	2.0
12	01	01	1	19	-3.1	0.054	-9.000	-9.000	-999.	31.	4.8	0.06	0.91	1.00	1.42	291.	10.0	280.4	2.0
12	01	01	1	20	-0.9	0.030	-9.000	-9.000	-999.	12.	2.7	0.07	0.91	1.00	0.75	306.	10.0	278.8	2.0
12	01	01	1	21	-1.1	0.038	-9.000	-9.000	-999.	18.	4.7	0.06	0.91	1.00	0.99	94.	10.0	276.4	2.0
12	01	01	1	22	-2.2	0.054	-9.000	-9.000	-999.	30.	6.7	0.06	0.91	1.00	1.40	106.	10.0	275.4	2.0
12	01	01	1	23	-2.4	0.057	-9.000	-9.000	-999.	33.	7.0	0.06	0.91	1.00	1.48	124.	10.0	275.4	2.0
12	01	01	1	24	-6.5	0.080	-9.000	-9.000	-999.	54.	7.1	0.06	0.91	1.00	2.06	111.	10.0	275.9	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	10.0	1	91.	2.86	276.5	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651550.00	4188000.00	0.00051	651575.00	4188000.00	0.00054
651600.00	4188000.00	0.00058	651625.00	4188000.00	0.00062
651650.00	4188000.00	0.00067	651675.00	4188000.00	0.00072
651700.00	4188000.00	0.00079	651725.00	4188000.00	0.00087
651550.00	4188025.00	0.00051	651575.00	4188025.00	0.00054
651600.00	4188025.00	0.00058	651625.00	4188025.00	0.00062
651650.00	4188025.00	0.00067	651675.00	4188025.00	0.00072
651700.00	4188025.00	0.00079	651725.00	4188025.00	0.00087
651550.00	4188050.00	0.00051	651575.00	4188050.00	0.00054
651600.00	4188050.00	0.00058	651625.00	4188050.00	0.00062
651650.00	4188050.00	0.00067	651675.00	4188050.00	0.00072
651700.00	4188050.00	0.00079	651725.00	4188050.00	0.00087
651425.00	4188075.00	0.00040	651450.00	4188075.00	0.00042
651475.00	4188075.00	0.00044	651500.00	4188075.00	0.00046
651525.00	4188075.00	0.00049	651550.00	4188075.00	0.00051
651575.00	4188075.00	0.00054	651600.00	4188075.00	0.00058
651625.00	4188075.00	0.00062	651650.00	4188075.00	0.00067
651675.00	4188075.00	0.00072	651700.00	4188075.00	0.00079
651725.00	4188075.00	0.00087	651425.00	4188100.00	0.00040
651450.00	4188100.00	0.00042	651475.00	4188100.00	0.00044
651500.00	4188100.00	0.00046	651525.00	4188100.00	0.00048
651550.00	4188100.00	0.00051	651575.00	4188100.00	0.00054
651600.00	4188100.00	0.00058	651625.00	4188100.00	0.00062
651650.00	4188100.00	0.00067	651675.00	4188100.00	0.00072
651700.00	4188100.00	0.00079	651725.00	4188100.00	0.00087
651425.00	4188125.00	0.00040	651450.00	4188125.00	0.00042
651475.00	4188125.00	0.00044	651500.00	4188125.00	0.00046
651525.00	4188125.00	0.00048	651550.00	4188125.00	0.00051
651575.00	4188125.00	0.00054	651600.00	4188125.00	0.00058
651625.00	4188125.00	0.00062	651650.00	4188125.00	0.00067
651675.00	4188125.00	0.00072	651700.00	4188125.00	0.00079
651725.00	4188125.00	0.00087	651425.00	4188150.00	0.00040
651450.00	4188150.00	0.00042	651475.00	4188150.00	0.00044
651500.00	4188150.00	0.00046	651525.00	4188150.00	0.00048
651550.00	4188150.00	0.00051	651575.00	4188150.00	0.00054
651600.00	4188150.00	0.00058	651625.00	4188150.00	0.00062
651650.00	4188150.00	0.00067	651675.00	4188150.00	0.00072
651700.00	4188150.00	0.00079	651725.00	4188150.00	0.00087
651425.00	4188175.00	0.00040	651450.00	4188175.00	0.00042
651475.00	4188175.00	0.00044	651500.00	4188175.00	0.00046

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651525.00	4188175.00	0.00048	651550.00	4188175.00	0.00051
651575.00	4188175.00	0.00054	651600.00	4188175.00	0.00058
651625.00	4188175.00	0.00062	651650.00	4188175.00	0.00067
651675.00	4188175.00	0.00072	651700.00	4188175.00	0.00079
651725.00	4188175.00	0.00087	651425.00	4188200.00	0.00040
651450.00	4188200.00	0.00042	651475.00	4188200.00	0.00044
651500.00	4188200.00	0.00046	651525.00	4188200.00	0.00048
651550.00	4188200.00	0.00051	651575.00	4188200.00	0.00054
651600.00	4188200.00	0.00058	651625.00	4188200.00	0.00062
651650.00	4188200.00	0.00067	651675.00	4188200.00	0.00072
651700.00	4188200.00	0.00079	651725.00	4188200.00	0.00088
651425.00	4188225.00	0.00040	651450.00	4188225.00	0.00042
651475.00	4188225.00	0.00044	651500.00	4188225.00	0.00046
651525.00	4188225.00	0.00049	651550.00	4188225.00	0.00051
651575.00	4188225.00	0.00054	651600.00	4188225.00	0.00058
651625.00	4188225.00	0.00062	651650.00	4188225.00	0.00067
651675.00	4188225.00	0.00073	651700.00	4188225.00	0.00080
651725.00	4188225.00	0.00089	651425.00	4188250.00	0.00040
651450.00	4188250.00	0.00042	651475.00	4188250.00	0.00044
651500.00	4188250.00	0.00046	651525.00	4188250.00	0.00049
651550.00	4188250.00	0.00051	651575.00	4188250.00	0.00055
651600.00	4188250.00	0.00058	651625.00	4188250.00	0.00062
651650.00	4188250.00	0.00067	651675.00	4188250.00	0.00073
651700.00	4188250.00	0.00080	651725.00	4188250.00	0.00090
651425.00	4188275.00	0.00040	651450.00	4188275.00	0.00042
651475.00	4188275.00	0.00044	651500.00	4188275.00	0.00046
651525.00	4188275.00	0.00049	651550.00	4188275.00	0.00051
651575.00	4188275.00	0.00055	651600.00	4188275.00	0.00058
651625.00	4188275.00	0.00063	651650.00	4188275.00	0.00068
651675.00	4188275.00	0.00073	651700.00	4188275.00	0.00081
651725.00	4188275.00	0.00090	651425.00	4188300.00	0.00040
651450.00	4188300.00	0.00042	651475.00	4188300.00	0.00044
651500.00	4188300.00	0.00046	651525.00	4188300.00	0.00049
651550.00	4188300.00	0.00052	651575.00	4188300.00	0.00055
651600.00	4188300.00	0.00058	651625.00	4188300.00	0.00063
651650.00	4188300.00	0.00068	651675.00	4188300.00	0.00074
651700.00	4188300.00	0.00081	651725.00	4188300.00	0.00090
651425.00	4188325.00	0.00040	651450.00	4188325.00	0.00042
651475.00	4188325.00	0.00044	651500.00	4188325.00	0.00046
651525.00	4188325.00	0.00049	651550.00	4188325.00	0.00052

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651575.00	4188325.00	0.00055	651600.00	4188325.00	0.00058
651625.00	4188325.00	0.00063	651650.00	4188325.00	0.00068
651675.00	4188325.00	0.00074	651700.00	4188325.00	0.00081
651725.00	4188325.00	0.00090	651425.00	4188350.00	0.00040
651450.00	4188350.00	0.00042	651475.00	4188350.00	0.00044
651500.00	4188350.00	0.00046	651525.00	4188350.00	0.00049
651550.00	4188350.00	0.00051	651575.00	4188350.00	0.00055
651600.00	4188350.00	0.00058	651625.00	4188350.00	0.00063
651650.00	4188350.00	0.00068	651675.00	4188350.00	0.00074
651700.00	4188350.00	0.00081	651725.00	4188350.00	0.00090
651425.00	4188375.00	0.00040	651450.00	4188375.00	0.00042
651475.00	4188375.00	0.00044	651500.00	4188375.00	0.00046
651525.00	4188375.00	0.00049	651550.00	4188375.00	0.00051
651575.00	4188375.00	0.00055	651600.00	4188375.00	0.00058
651625.00	4188375.00	0.00062	651650.00	4188375.00	0.00067
651675.00	4188375.00	0.00073	651700.00	4188375.00	0.00081
651725.00	4188375.00	0.00090	651425.00	4188400.00	0.00040
651450.00	4188400.00	0.00042	651475.00	4188400.00	0.00044
651500.00	4188400.00	0.00046	651525.00	4188400.00	0.00049
651550.00	4188400.00	0.00051	651575.00	4188400.00	0.00054
651600.00	4188400.00	0.00058	651625.00	4188400.00	0.00062
651650.00	4188400.00	0.00067	651675.00	4188400.00	0.00073
651700.00	4188400.00	0.00080	651725.00	4188400.00	0.00089
651425.00	4188425.00	0.00040	651450.00	4188425.00	0.00042
651475.00	4188425.00	0.00044	651500.00	4188425.00	0.00046
651525.00	4188425.00	0.00048	651550.00	4188425.00	0.00051
651575.00	4188425.00	0.00054	651600.00	4188425.00	0.00058
651625.00	4188425.00	0.00062	651650.00	4188425.00	0.00067
651675.00	4188425.00	0.00073	651700.00	4188425.00	0.00080
651725.00	4188425.00	0.00089	651425.00	4188450.00	0.00040
651450.00	4188450.00	0.00042	651475.00	4188450.00	0.00044
651500.00	4188450.00	0.00046	651525.00	4188450.00	0.00048
651550.00	4188450.00	0.00051	651575.00	4188450.00	0.00054
651600.00	4188450.00	0.00058	651625.00	4188450.00	0.00062
651650.00	4188450.00	0.00067	651675.00	4188450.00	0.00072
651700.00	4188450.00	0.00079	651725.00	4188450.00	0.00088
651425.00	4188475.00	0.00040	651450.00	4188475.00	0.00042
651475.00	4188475.00	0.00044	651500.00	4188475.00	0.00046
651525.00	4188475.00	0.00048	651550.00	4188475.00	0.00051
651575.00	4188475.00	0.00054	651600.00	4188475.00	0.00058

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651625.00	4188475.00	0.00062	651650.00	4188475.00	0.00066
651675.00	4188475.00	0.00072	651700.00	4188475.00	0.00079
651725.00	4188475.00	0.00087	651425.00	4188500.00	0.00040
651450.00	4188500.00	0.00042	651475.00	4188500.00	0.00044
651500.00	4188500.00	0.00046	651525.00	4188500.00	0.00048
651550.00	4188500.00	0.00051	651575.00	4188500.00	0.00054
651600.00	4188500.00	0.00058	651625.00	4188500.00	0.00062
651650.00	4188500.00	0.00066	651675.00	4188500.00	0.00072
651700.00	4188500.00	0.00079	651725.00	4188500.00	0.00087
651425.00	4188525.00	0.00040	651450.00	4188525.00	0.00042
651475.00	4188525.00	0.00044	651500.00	4188525.00	0.00046
651525.00	4188525.00	0.00048	651550.00	4188525.00	0.00051
651575.00	4188525.00	0.00054	651600.00	4188525.00	0.00057
651625.00	4188525.00	0.00062	651650.00	4188525.00	0.00066
651675.00	4188525.00	0.00072	651700.00	4188525.00	0.00079
651725.00	4188525.00	0.00087	651425.00	4188550.00	0.00040
651450.00	4188550.00	0.00042	651475.00	4188550.00	0.00044
651500.00	4188550.00	0.00046	651525.00	4188550.00	0.00048
651550.00	4188550.00	0.00051	651575.00	4188550.00	0.00054
651600.00	4188550.00	0.00057	651625.00	4188550.00	0.00062
651650.00	4188550.00	0.00066	651675.00	4188550.00	0.00072
651700.00	4188550.00	0.00079	651725.00	4188550.00	0.00087
651425.00	4188575.00	0.00040	651450.00	4188575.00	0.00042
651475.00	4188575.00	0.00043	651500.00	4188575.00	0.00046
651525.00	4188575.00	0.00048	651550.00	4188575.00	0.00051
651575.00	4188575.00	0.00054	651600.00	4188575.00	0.00057
651625.00	4188575.00	0.00061	651650.00	4188575.00	0.00066
651675.00	4188575.00	0.00072	651700.00	4188575.00	0.00079
651725.00	4188575.00	0.00087	651425.00	4188600.00	0.00040
651450.00	4188600.00	0.00042	651475.00	4188600.00	0.00043
651500.00	4188600.00	0.00046	651525.00	4188600.00	0.00048
651550.00	4188600.00	0.00051	651575.00	4188600.00	0.00054
651600.00	4188600.00	0.00057	651625.00	4188600.00	0.00061
651650.00	4188600.00	0.00066	651675.00	4188600.00	0.00072
651700.00	4188600.00	0.00079	651725.00	4188600.00	0.00088
651425.00	4188625.00	0.00040	651450.00	4188625.00	0.00042
651475.00	4188625.00	0.00043	651500.00	4188625.00	0.00046
651525.00	4188625.00	0.00048	651550.00	4188625.00	0.00051
651575.00	4188625.00	0.00054	651600.00	4188625.00	0.00057
651625.00	4188625.00	0.00062	651650.00	4188625.00	0.00066

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651675.00	4188625.00	0.00072	651700.00	4188625.00	0.00079
651725.00	4188625.00	0.00088	651425.00	4188650.00	0.00040
651450.00	4188650.00	0.00041	651475.00	4188650.00	0.00043
651500.00	4188650.00	0.00046	651525.00	4188650.00	0.00048
651550.00	4188650.00	0.00051	651575.00	4188650.00	0.00054
651600.00	4188650.00	0.00057	651625.00	4188650.00	0.00062
651650.00	4188650.00	0.00066	651675.00	4188650.00	0.00072
651700.00	4188650.00	0.00079	651725.00	4188650.00	0.00088
651425.00	4188675.00	0.00040	651450.00	4188675.00	0.00041
651475.00	4188675.00	0.00043	651500.00	4188675.00	0.00046
651525.00	4188675.00	0.00048	651550.00	4188675.00	0.00051
651575.00	4188675.00	0.00054	651600.00	4188675.00	0.00057
651625.00	4188675.00	0.00062	651650.00	4188675.00	0.00066
651675.00	4188675.00	0.00072	651700.00	4188675.00	0.00079
651725.00	4188675.00	0.00088	651425.00	4188700.00	0.00040
651450.00	4188700.00	0.00042	651475.00	4188700.00	0.00043
651500.00	4188700.00	0.00046	651525.00	4188700.00	0.00048
651550.00	4188700.00	0.00051	651575.00	4188700.00	0.00054
651600.00	4188700.00	0.00058	651625.00	4188700.00	0.00062
651650.00	4188700.00	0.00066	651675.00	4188700.00	0.00072
651700.00	4188700.00	0.00079	651725.00	4188700.00	0.00088
651425.00	4188725.00	0.00040	651450.00	4188725.00	0.00042
651475.00	4188725.00	0.00044	651500.00	4188725.00	0.00046
651525.00	4188725.00	0.00048	651550.00	4188725.00	0.00051
651575.00	4188725.00	0.00054	651600.00	4188725.00	0.00058
651625.00	4188725.00	0.00062	651650.00	4188725.00	0.00067
651675.00	4188725.00	0.00072	651700.00	4188725.00	0.00079
651725.00	4188725.00	0.00088	651425.00	4188750.00	0.00040
651450.00	4188750.00	0.00042	651475.00	4188750.00	0.00043
651500.00	4188750.00	0.00046	651525.00	4188750.00	0.00048
651550.00	4188750.00	0.00051	651575.00	4188750.00	0.00054
651600.00	4188750.00	0.00058	651625.00	4188750.00	0.00062
651650.00	4188750.00	0.00067	651675.00	4188750.00	0.00073
651700.00	4188750.00	0.00080	651725.00	4188750.00	0.00089
651425.00	4188775.00	0.00040	651450.00	4188775.00	0.00042
651475.00	4188775.00	0.00043	651500.00	4188775.00	0.00046
651525.00	4188775.00	0.00048	651550.00	4188775.00	0.00051
651575.00	4188775.00	0.00054	651600.00	4188775.00	0.00058
651625.00	4188775.00	0.00062	651650.00	4188775.00	0.00067
651675.00	4188775.00	0.00073	651700.00	4188775.00	0.00080

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651725.00	4188775.00	0.00089	651425.00	4188800.00	0.00040
651450.00	4188800.00	0.00042	651475.00	4188800.00	0.00043
651500.00	4188800.00	0.00046	651525.00	4188800.00	0.00048
651550.00	4188800.00	0.00051	651575.00	4188800.00	0.00054
651600.00	4188800.00	0.00058	651625.00	4188800.00	0.00062
651650.00	4188800.00	0.00067	651675.00	4188800.00	0.00073
651700.00	4188800.00	0.00080	651725.00	4188800.00	0.00089
651425.00	4188825.00	0.00040	651450.00	4188825.00	0.00042
651475.00	4188825.00	0.00043	651500.00	4188825.00	0.00046
651525.00	4188825.00	0.00048	651550.00	4188825.00	0.00051
651575.00	4188825.00	0.00054	651600.00	4188825.00	0.00058
651625.00	4188825.00	0.00062	651650.00	4188825.00	0.00067
651675.00	4188825.00	0.00073	651700.00	4188825.00	0.00080
651725.00	4188825.00	0.00089	651425.00	4188850.00	0.00040
651450.00	4188850.00	0.00041	651475.00	4188850.00	0.00043
651500.00	4188850.00	0.00046	651525.00	4188850.00	0.00048
651550.00	4188850.00	0.00051	651575.00	4188850.00	0.00054
651600.00	4188850.00	0.00058	651625.00	4188850.00	0.00062
651650.00	4188850.00	0.00067	651675.00	4188850.00	0.00073
651700.00	4188850.00	0.00080	651725.00	4188850.00	0.00089
651425.00	4188875.00	0.00040	651450.00	4188875.00	0.00041
651475.00	4188875.00	0.00043	651500.00	4188875.00	0.00046
651525.00	4188875.00	0.00048	651550.00	4188875.00	0.00051
651575.00	4188875.00	0.00054	651600.00	4188875.00	0.00058
651625.00	4188875.00	0.00062	651650.00	4188875.00	0.00067
651675.00	4188875.00	0.00073	651700.00	4188875.00	0.00080
651725.00	4188875.00	0.00089	651425.00	4188900.00	0.00040
651450.00	4188900.00	0.00041	651475.00	4188900.00	0.00043
651500.00	4188900.00	0.00046	651525.00	4188900.00	0.00048
651550.00	4188900.00	0.00051	651575.00	4188900.00	0.00054
651600.00	4188900.00	0.00058	651625.00	4188900.00	0.00062
651650.00	4188900.00	0.00067	651675.00	4188900.00	0.00073
651700.00	4188900.00	0.00080	651725.00	4188900.00	0.00089
651425.00	4188925.00	0.00040	651450.00	4188925.00	0.00041
651475.00	4188925.00	0.00043	651500.00	4188925.00	0.00046
651525.00	4188925.00	0.00048	651550.00	4188925.00	0.00051
651575.00	4188925.00	0.00054	651600.00	4188925.00	0.00058
651625.00	4188925.00	0.00062	651650.00	4188925.00	0.00067
651675.00	4188925.00	0.00073	651700.00	4188925.00	0.00080
651725.00	4188925.00	0.00089	651425.00	4188950.00	0.00040

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651450.00	4188950.00	0.00041	651475.00	4188950.00	0.00043
651500.00	4188950.00	0.00046	651525.00	4188950.00	0.00048
651550.00	4188950.00	0.00051	651575.00	4188950.00	0.00054
651600.00	4188950.00	0.00058	651625.00	4188950.00	0.00062
651650.00	4188950.00	0.00067	651675.00	4188950.00	0.00073
651700.00	4188950.00	0.00080	651725.00	4188950.00	0.00089
651425.00	4188975.00	0.00040	651450.00	4188975.00	0.00041
651475.00	4188975.00	0.00043	651500.00	4188975.00	0.00046
651525.00	4188975.00	0.00048	651550.00	4188975.00	0.00051
651575.00	4188975.00	0.00054	651600.00	4188975.00	0.00058
651625.00	4188975.00	0.00062	651650.00	4188975.00	0.00067
651675.00	4188975.00	0.00073	651700.00	4188975.00	0.00080
651725.00	4188975.00	0.00090	651425.00	4189000.00	0.00040
651450.00	4189000.00	0.00041	651475.00	4189000.00	0.00043
651500.00	4189000.00	0.00046	651525.00	4189000.00	0.00048
651550.00	4189000.00	0.00051	651575.00	4189000.00	0.00054
651600.00	4189000.00	0.00058	651625.00	4189000.00	0.00062
651650.00	4189000.00	0.00067	651675.00	4189000.00	0.00073
651700.00	4189000.00	0.00081	651725.00	4189000.00	0.00091
651425.00	4189025.00	0.00040	651450.00	4189025.00	0.00041
651475.00	4189025.00	0.00043	651500.00	4189025.00	0.00046
651525.00	4189025.00	0.00048	651550.00	4189025.00	0.00051
651575.00	4189025.00	0.00054	651600.00	4189025.00	0.00058
651625.00	4189025.00	0.00062	651650.00	4189025.00	0.00067
651675.00	4189025.00	0.00074	651700.00	4189025.00	0.00082
651725.00	4189025.00	0.00092	651425.00	4189050.00	0.00040
651450.00	4189050.00	0.00041	651475.00	4189050.00	0.00043
651500.00	4189050.00	0.00046	651525.00	4189050.00	0.00048
651550.00	4189050.00	0.00051	651575.00	4189050.00	0.00054
651600.00	4189050.00	0.00058	651625.00	4189050.00	0.00062
651650.00	4189050.00	0.00067	651675.00	4189050.00	0.00073
651700.00	4189050.00	0.00081	651725.00	4189050.00	0.00091
651425.00	4189075.00	0.00040	651450.00	4189075.00	0.00041
651475.00	4189075.00	0.00043	651500.00	4189075.00	0.00046
651525.00	4189075.00	0.00048	651550.00	4189075.00	0.00051
651575.00	4189075.00	0.00054	651600.00	4189075.00	0.00058
651625.00	4189075.00	0.00062	651650.00	4189075.00	0.00067
651675.00	4189075.00	0.00073	651700.00	4189075.00	0.00081
651725.00	4189075.00	0.00090	651425.00	4189100.00	0.00040
651450.00	4189100.00	0.00041	651475.00	4189100.00	0.00043

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651500.00	4189100.00	0.00046	651525.00	4189100.00	0.00048
651550.00	4189100.00	0.00051	651575.00	4189100.00	0.00054
651600.00	4189100.00	0.00058	651625.00	4189100.00	0.00062
651650.00	4189100.00	0.00067	651675.00	4189100.00	0.00073
651700.00	4189100.00	0.00081	651725.00	4189100.00	0.00090
651425.00	4189125.00	0.00040	651450.00	4189125.00	0.00041
651475.00	4189125.00	0.00043	651500.00	4189125.00	0.00046
651525.00	4189125.00	0.00048	651550.00	4189125.00	0.00051
651575.00	4189125.00	0.00054	651600.00	4189125.00	0.00058
651625.00	4189125.00	0.00062	651650.00	4189125.00	0.00067
651675.00	4189125.00	0.00073	651700.00	4189125.00	0.00081
651725.00	4189125.00	0.00090	651425.00	4189150.00	0.00040
651450.00	4189150.00	0.00041	651475.00	4189150.00	0.00043
651500.00	4189150.00	0.00046	651525.00	4189150.00	0.00048
651550.00	4189150.00	0.00051	651575.00	4189150.00	0.00054
651600.00	4189150.00	0.00058	651625.00	4189150.00	0.00062
651650.00	4189150.00	0.00068	651675.00	4189150.00	0.00074
651700.00	4189150.00	0.00081	651725.00	4189150.00	0.00091
651425.00	4189175.00	0.00040	651450.00	4189175.00	0.00041
651475.00	4189175.00	0.00043	651500.00	4189175.00	0.00046
651525.00	4189175.00	0.00048	651550.00	4189175.00	0.00051
651575.00	4189175.00	0.00054	651600.00	4189175.00	0.00058
651625.00	4189175.00	0.00063	651650.00	4189175.00	0.00068
651675.00	4189175.00	0.00074	651700.00	4189175.00	0.00082
651725.00	4189175.00	0.00092	651425.00	4189200.00	0.00040
651450.00	4189200.00	0.00041	651475.00	4189200.00	0.00043
651500.00	4189200.00	0.00046	651525.00	4189200.00	0.00048
651550.00	4189200.00	0.00051	651575.00	4189200.00	0.00054
651600.00	4189200.00	0.00058	651625.00	4189200.00	0.00063
651650.00	4189200.00	0.00068	651675.00	4189200.00	0.00075
651700.00	4189200.00	0.00083	651725.00	4189200.00	0.00093
651425.00	4189225.00	0.00040	651450.00	4189225.00	0.00041
651475.00	4189225.00	0.00043	651500.00	4189225.00	0.00046
651525.00	4189225.00	0.00048	651550.00	4189225.00	0.00051
651575.00	4189225.00	0.00055	651600.00	4189225.00	0.00058
651625.00	4189225.00	0.00063	651650.00	4189225.00	0.00068
651675.00	4189225.00	0.00075	651700.00	4189225.00	0.00083
651725.00	4189225.00	0.00094	651425.00	4189250.00	0.00040
651450.00	4189250.00	0.00041	651475.00	4189250.00	0.00043
651500.00	4189250.00	0.00046	651525.00	4189250.00	0.00048

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651550.00	4189250.00	0.00051	651575.00	4189250.00	0.00055
651600.00	4189250.00	0.00059	651625.00	4189250.00	0.00063
651650.00	4189250.00	0.00069	651675.00	4189250.00	0.00075
651700.00	4189250.00	0.00084	651725.00	4189250.00	0.00094
651425.00	4189275.00	0.00040	651450.00	4189275.00	0.00041
651475.00	4189275.00	0.00043	651500.00	4189275.00	0.00046
651525.00	4189275.00	0.00048	651550.00	4189275.00	0.00051
651575.00	4189275.00	0.00055	651600.00	4189275.00	0.00059
651625.00	4189275.00	0.00063	651650.00	4189275.00	0.00069
651675.00	4189275.00	0.00075	651700.00	4189275.00	0.00084
651725.00	4189275.00	0.00094	651425.00	4189300.00	0.00040
651450.00	4189300.00	0.00041	651475.00	4189300.00	0.00043
651500.00	4189300.00	0.00046	651525.00	4189300.00	0.00048
651550.00	4189300.00	0.00051	651575.00	4189300.00	0.00055
651600.00	4189300.00	0.00059	651625.00	4189300.00	0.00063
651650.00	4189300.00	0.00069	651675.00	4189300.00	0.00075
651700.00	4189300.00	0.00084	651725.00	4189300.00	0.00094
651425.00	4189325.00	0.00040	651450.00	4189325.00	0.00041
651475.00	4189325.00	0.00043	651500.00	4189325.00	0.00046
651525.00	4189325.00	0.00048	651550.00	4189325.00	0.00051
651575.00	4189325.00	0.00055	651600.00	4189325.00	0.00059
651625.00	4189325.00	0.00063	651650.00	4189325.00	0.00069
651675.00	4189325.00	0.00075	651700.00	4189325.00	0.00084
651725.00	4189325.00	0.00094	651425.00	4189350.00	0.00040
651450.00	4189350.00	0.00041	651475.00	4189350.00	0.00043
651500.00	4189350.00	0.00046	651525.00	4189350.00	0.00048
651550.00	4189350.00	0.00051	651575.00	4189350.00	0.00055
651600.00	4189350.00	0.00059	651625.00	4189350.00	0.00063
651650.00	4189350.00	0.00069	651675.00	4189350.00	0.00075
651700.00	4189350.00	0.00084	651725.00	4189350.00	0.00094
651425.00	4189375.00	0.00040	651450.00	4189375.00	0.00041
651475.00	4189375.00	0.00043	651500.00	4189375.00	0.00046
651525.00	4189375.00	0.00048	651550.00	4189375.00	0.00051
651575.00	4189375.00	0.00055	651600.00	4189375.00	0.00059
651625.00	4189375.00	0.00063	651650.00	4189375.00	0.00069
651675.00	4189375.00	0.00075	651700.00	4189375.00	0.00084
651725.00	4189375.00	0.00094	651425.00	4189400.00	0.00040
651450.00	4189400.00	0.00041	651475.00	4189400.00	0.00043
651500.00	4189400.00	0.00046	651525.00	4189400.00	0.00048
651550.00	4189400.00	0.00051	651575.00	4189400.00	0.00055

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651600.00	4189400.00	0.00059	651625.00	4189400.00	0.00063
651650.00	4189400.00	0.00069	651675.00	4189400.00	0.00075
651700.00	4189400.00	0.00084	651725.00	4189400.00	0.00095
651425.00	4189425.00	0.00040	651450.00	4189425.00	0.00041
651475.00	4189425.00	0.00043	651500.00	4189425.00	0.00046
651525.00	4189425.00	0.00048	651550.00	4189425.00	0.00051
651575.00	4189425.00	0.00055	651600.00	4189425.00	0.00059
651625.00	4189425.00	0.00063	651650.00	4189425.00	0.00069
651675.00	4189425.00	0.00075	651700.00	4189425.00	0.00084
651725.00	4189425.00	0.00095	651425.00	4189450.00	0.00039
651450.00	4189450.00	0.00041	651475.00	4189450.00	0.00043
651500.00	4189450.00	0.00046	651525.00	4189450.00	0.00048
651550.00	4189450.00	0.00051	651575.00	4189450.00	0.00055
651600.00	4189450.00	0.00058	651625.00	4189450.00	0.00063
651650.00	4189450.00	0.00069	651675.00	4189450.00	0.00075
651700.00	4189450.00	0.00084	651725.00	4189450.00	0.00094
651425.00	4189475.00	0.00039	651450.00	4189475.00	0.00041
651475.00	4189475.00	0.00043	651500.00	4189475.00	0.00046
651525.00	4189475.00	0.00048	651550.00	4189475.00	0.00051
651575.00	4189475.00	0.00054	651600.00	4189475.00	0.00058
651625.00	4189475.00	0.00063	651650.00	4189475.00	0.00068
651675.00	4189475.00	0.00075	651700.00	4189475.00	0.00084
651725.00	4189475.00	0.00095	651425.00	4189500.00	0.00039
651450.00	4189500.00	0.00041	651475.00	4189500.00	0.00043
651500.00	4189500.00	0.00045	651525.00	4189500.00	0.00048
651550.00	4189500.00	0.00051	651575.00	4189500.00	0.00054
651600.00	4189500.00	0.00058	651625.00	4189500.00	0.00063
651650.00	4189500.00	0.00068	651675.00	4189500.00	0.00075
651700.00	4189500.00	0.00084	651725.00	4189500.00	0.00095
651425.00	4189525.00	0.00039	651450.00	4189525.00	0.00041
651475.00	4189525.00	0.00043	651500.00	4189525.00	0.00045
651525.00	4189525.00	0.00048	651550.00	4189525.00	0.00051
651575.00	4189525.00	0.00054	651600.00	4189525.00	0.00058
651625.00	4189525.00	0.00063	651650.00	4189525.00	0.00068
651675.00	4189525.00	0.00075	651700.00	4189525.00	0.00084
651725.00	4189525.00	0.00094	651425.00	4189550.00	0.00039
651450.00	4189550.00	0.00041	651475.00	4189550.00	0.00043
651500.00	4189550.00	0.00045	651525.00	4189550.00	0.00048
651550.00	4189550.00	0.00051	651575.00	4189550.00	0.00054
651600.00	4189550.00	0.00058	651625.00	4189550.00	0.00062

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651650.00	4189550.00	0.00068	651675.00	4189550.00	0.00075
651700.00	4189550.00	0.00083	651725.00	4189550.00	0.00094
651425.00	4189575.00	0.00039	651450.00	4189575.00	0.00041
651475.00	4189575.00	0.00043	651500.00	4189575.00	0.00045
651525.00	4189575.00	0.00048	651550.00	4189575.00	0.00050
651575.00	4189575.00	0.00054	651600.00	4189575.00	0.00057
651625.00	4189575.00	0.00062	651650.00	4189575.00	0.00068
651675.00	4189575.00	0.00075	651700.00	4189575.00	0.00083
651725.00	4189575.00	0.00095	651425.00	4189600.00	0.00039
651450.00	4189600.00	0.00041	651475.00	4189600.00	0.00043
651500.00	4189600.00	0.00045	651525.00	4189600.00	0.00047
651550.00	4189600.00	0.00050	651575.00	4189600.00	0.00053
651600.00	4189600.00	0.00057	651625.00	4189600.00	0.00062
651650.00	4189600.00	0.00067	651675.00	4189600.00	0.00074
651700.00	4189600.00	0.00083	651725.00	4189600.00	0.00094
651425.00	4189625.00	0.00039	651450.00	4189625.00	0.00041
651475.00	4189625.00	0.00043	651500.00	4189625.00	0.00045
651525.00	4189625.00	0.00047	651550.00	4189625.00	0.00050
651575.00	4189625.00	0.00053	651600.00	4189625.00	0.00057
651625.00	4189625.00	0.00062	651650.00	4189625.00	0.00067
651675.00	4189625.00	0.00074	651700.00	4189625.00	0.00083
651725.00	4189625.00	0.00094	651425.00	4189650.00	0.00039
651450.00	4189650.00	0.00041	651475.00	4189650.00	0.00043
651500.00	4189650.00	0.00045	651525.00	4189650.00	0.00047
651550.00	4189650.00	0.00050	651575.00	4189650.00	0.00053
651600.00	4189650.00	0.00057	651625.00	4189650.00	0.00061
651650.00	4189650.00	0.00067	651675.00	4189650.00	0.00073
651700.00	4189650.00	0.00082	651725.00	4189650.00	0.00094
651425.00	4189675.00	0.00039	651450.00	4189675.00	0.00041
651475.00	4189675.00	0.00042	651500.00	4189675.00	0.00045
651525.00	4189675.00	0.00047	651550.00	4189675.00	0.00050
651575.00	4189675.00	0.00053	651600.00	4189675.00	0.00057
651625.00	4189675.00	0.00061	651650.00	4189675.00	0.00066
651675.00	4189675.00	0.00073	651700.00	4189675.00	0.00082
651725.00	4189675.00	0.00094	651425.00	4189700.00	0.00039
651450.00	4189700.00	0.00040	651475.00	4189700.00	0.00042
651500.00	4189700.00	0.00045	651525.00	4189700.00	0.00047
651550.00	4189700.00	0.00050	651575.00	4189700.00	0.00053
651600.00	4189700.00	0.00057	651625.00	4189700.00	0.00061
651650.00	4189700.00	0.00066	651675.00	4189700.00	0.00073

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651700.00	4189700.00	0.00082	651725.00	4189700.00	0.00094
651425.00	4189725.00	0.00039	651450.00	4189725.00	0.00040
651475.00	4189725.00	0.00042	651500.00	4189725.00	0.00045
651525.00	4189725.00	0.00047	651550.00	4189725.00	0.00050
651575.00	4189725.00	0.00053	651600.00	4189725.00	0.00057
651625.00	4189725.00	0.00061	651650.00	4189725.00	0.00066
651675.00	4189725.00	0.00073	651700.00	4189725.00	0.00082
651725.00	4189725.00	0.00093	651475.00	4186360.00	0.00044
651500.00	4186360.00	0.00046	651525.00	4186360.00	0.00049
651550.00	4186360.00	0.00052	651575.00	4186360.00	0.00055
651600.00	4186360.00	0.00058	651475.00	4186385.00	0.00044
651500.00	4186385.00	0.00047	651525.00	4186385.00	0.00049
651550.00	4186385.00	0.00052	651575.00	4186385.00	0.00055
651600.00	4186385.00	0.00058	651475.00	4186410.00	0.00044
651500.00	4186410.00	0.00047	651525.00	4186410.00	0.00049
651550.00	4186410.00	0.00052	651575.00	4186410.00	0.00055
651600.00	4186410.00	0.00058	651475.00	4186435.00	0.00044
651500.00	4186435.00	0.00047	651525.00	4186435.00	0.00049
651550.00	4186435.00	0.00052	651575.00	4186435.00	0.00055
651600.00	4186435.00	0.00058	651475.00	4186460.00	0.00044
651500.00	4186460.00	0.00047	651525.00	4186460.00	0.00049
651550.00	4186460.00	0.00052	651575.00	4186460.00	0.00055
651600.00	4186460.00	0.00059	651475.00	4186485.00	0.00044
651500.00	4186485.00	0.00047	651525.00	4186485.00	0.00049
651550.00	4186485.00	0.00052	651575.00	4186485.00	0.00055
651600.00	4186485.00	0.00059	651475.00	4186510.00	0.00044
651500.00	4186510.00	0.00047	651525.00	4186510.00	0.00049
651550.00	4186510.00	0.00052	651575.00	4186510.00	0.00055
651600.00	4186510.00	0.00059	651625.00	4186510.00	0.00063
651650.00	4186510.00	0.00067	651675.00	4186510.00	0.00073
651700.00	4186510.00	0.00080	651725.00	4186510.00	0.00088
651475.00	4186535.00	0.00044	651500.00	4186535.00	0.00047
651525.00	4186535.00	0.00049	651550.00	4186535.00	0.00052
651575.00	4186535.00	0.00055	651600.00	4186535.00	0.00059
651625.00	4186535.00	0.00063	651650.00	4186535.00	0.00067
651675.00	4186535.00	0.00073	651700.00	4186535.00	0.00080
651725.00	4186535.00	0.00088	651750.00	4186535.00	0.00099
651475.00	4186560.00	0.00045	651500.00	4186560.00	0.00047
651525.00	4186560.00	0.00049	651550.00	4186560.00	0.00052
651575.00	4186560.00	0.00055	651600.00	4186560.00	0.00059

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651625.00	4186560.00	0.00063	651650.00	4186560.00	0.00067
651675.00	4186560.00	0.00073	651700.00	4186560.00	0.00080
651725.00	4186560.00	0.00088	651750.00	4186560.00	0.00099
651775.00	4186560.00	0.00112	651475.00	4186585.00	0.00045
651500.00	4186585.00	0.00047	651525.00	4186585.00	0.00049
651550.00	4186585.00	0.00052	651575.00	4186585.00	0.00055
651625.00	4186585.00	0.00063	651650.00	4186585.00	0.00068
651675.00	4186585.00	0.00073	651700.00	4186585.00	0.00080
651725.00	4186585.00	0.00088	651750.00	4186585.00	0.00099
651775.00	4186585.00	0.00112	651475.00	4186610.00	0.00045
651500.00	4186610.00	0.00047	651525.00	4186610.00	0.00049
651550.00	4186610.00	0.00052	651600.00	4186610.00	0.00059
651625.00	4186610.00	0.00063	651650.00	4186610.00	0.00067
651675.00	4186610.00	0.00073	651700.00	4186610.00	0.00080
651725.00	4186610.00	0.00088	651750.00	4186610.00	0.00099
651775.00	4186610.00	0.00113	651475.00	4186635.00	0.00045
651500.00	4186635.00	0.00047	651525.00	4186635.00	0.00049
651550.00	4186635.00	0.00052	651575.00	4186635.00	0.00055
651600.00	4186635.00	0.00059	651625.00	4186635.00	0.00063
651650.00	4186635.00	0.00068	651675.00	4186635.00	0.00073
651700.00	4186635.00	0.00080	651725.00	4186635.00	0.00088
651750.00	4186635.00	0.00099	651775.00	4186635.00	0.00113
651475.00	4186660.00	0.00045	651500.00	4186660.00	0.00047
651525.00	4186660.00	0.00049	651700.00	4186660.00	0.00080
651725.00	4186660.00	0.00088	651750.00	4186660.00	0.00099
651775.00	4186660.00	0.00112	651475.00	4186685.00	0.00045
651500.00	4186685.00	0.00047	651525.00	4186685.00	0.00049
651575.00	4186685.00	0.00055	651600.00	4186685.00	0.00059
651625.00	4186685.00	0.00063	651650.00	4186685.00	0.00068
651675.00	4186685.00	0.00073	651700.00	4186685.00	0.00080
651725.00	4186685.00	0.00088	651750.00	4186685.00	0.00099
651775.00	4186685.00	0.00113	651475.00	4186710.00	0.00045
651500.00	4186710.00	0.00047	651525.00	4186710.00	0.00049
651575.00	4186710.00	0.00055	651600.00	4186710.00	0.00059
651625.00	4186710.00	0.00063	651650.00	4186710.00	0.00068
651675.00	4186710.00	0.00073	651700.00	4186710.00	0.00080
651725.00	4186710.00	0.00089	651750.00	4186710.00	0.00099
651775.00	4186710.00	0.00114	651700.00	4186735.00	0.00080
651725.00	4186735.00	0.00089	651750.00	4186735.00	0.00099
651775.00	4186735.00	0.00113	651475.00	4186760.00	0.00045

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651500.00	4186760.00	0.00047	651525.00	4186760.00	0.00049
651575.00	4186760.00	0.00055	651600.00	4186760.00	0.00059
651625.00	4186760.00	0.00063	651650.00	4186760.00	0.00068
651675.00	4186760.00	0.00073	651700.00	4186760.00	0.00080
651725.00	4186760.00	0.00089	651750.00	4186760.00	0.00099
651775.00	4186760.00	0.00113	651475.00	4186785.00	0.00045
651500.00	4186785.00	0.00047	651525.00	4186785.00	0.00049
651575.00	4186785.00	0.00055	651600.00	4186785.00	0.00059
651625.00	4186785.00	0.00063	651650.00	4186785.00	0.00068
651675.00	4186785.00	0.00073	651700.00	4186785.00	0.00080
651725.00	4186785.00	0.00089	651750.00	4186785.00	0.00099
651775.00	4186785.00	0.00114	651575.00	4186835.00	0.00055
651625.00	4186835.00	0.00063	651650.00	4186835.00	0.00068
651675.00	4186835.00	0.00073	651700.00	4186835.00	0.00080
651750.00	4186835.00	0.00099	651775.00	4186835.00	0.00113
651575.00	4186860.00	0.00055	651625.00	4186860.00	0.00063
651650.00	4186860.00	0.00068	651675.00	4186860.00	0.00073
651700.00	4186860.00	0.00080	651750.00	4186860.00	0.00099
651775.00	4186860.00	0.00114	651575.00	4186885.00	0.00055
651625.00	4186885.00	0.00063	651650.00	4186885.00	0.00068
651675.00	4186885.00	0.00073	651700.00	4186885.00	0.00080
651750.00	4186885.00	0.00100	651775.00	4186885.00	0.00114
651575.00	4186910.00	0.00055	651625.00	4186910.00	0.00063
651650.00	4186910.00	0.00068	651675.00	4186910.00	0.00073
651700.00	4186910.00	0.00080	651750.00	4186910.00	0.00100
651775.00	4186910.00	0.00113	651575.00	4186935.00	0.00055
651625.00	4186935.00	0.00063	651650.00	4186935.00	0.00068
651675.00	4186935.00	0.00073	651700.00	4186935.00	0.00080
651750.00	4186935.00	0.00099	651775.00	4186935.00	0.00113
651575.00	4186960.00	0.00055	651625.00	4186960.00	0.00063
651650.00	4186960.00	0.00068	651675.00	4186960.00	0.00073
651700.00	4186960.00	0.00080	651750.00	4186960.00	0.00100
651575.00	4186985.00	0.00055	651625.00	4186985.00	0.00063
651650.00	4186985.00	0.00068	651675.00	4186985.00	0.00074
651700.00	4186985.00	0.00080	651750.00	4186985.00	0.00100
651575.00	4187010.00	0.00055	651625.00	4187010.00	0.00063
651650.00	4187010.00	0.00068	651675.00	4187010.00	0.00074
651700.00	4187010.00	0.00081	651750.00	4187010.00	0.00100
651575.00	4187035.00	0.00055	651625.00	4187035.00	0.00063
651650.00	4187035.00	0.00068	651675.00	4187035.00	0.00074

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651700.00	4187035.00	0.00081	651750.00	4187035.00	0.00100
651575.00	4187060.00	0.00055	651625.00	4187060.00	0.00063
651650.00	4187060.00	0.00068	651675.00	4187060.00	0.00074
651700.00	4187060.00	0.00081	651750.00	4187060.00	0.00100
651575.00	4187085.00	0.00055	651625.00	4187085.00	0.00063
651650.00	4187085.00	0.00068	651675.00	4187085.00	0.00074
651700.00	4187085.00	0.00081	651750.00	4187085.00	0.00100
651475.00	4187135.00	0.00045	651500.00	4187135.00	0.00047
651525.00	4187135.00	0.00049	651550.00	4187135.00	0.00052
651575.00	4187135.00	0.00055	651625.00	4187135.00	0.00063
651650.00	4187135.00	0.00068	651475.00	4187160.00	0.00045
651500.00	4187160.00	0.00047	651525.00	4187160.00	0.00049
651550.00	4187160.00	0.00052	651575.00	4187160.00	0.00055
651625.00	4187160.00	0.00063	651650.00	4187160.00	0.00068
651475.00	4187185.00	0.00045	651500.00	4187185.00	0.00047
651525.00	4187185.00	0.00049	651550.00	4187185.00	0.00052
651575.00	4187185.00	0.00055	651625.00	4187185.00	0.00063
651650.00	4187185.00	0.00068	651475.00	4187210.00	0.00045
651500.00	4187210.00	0.00047	651525.00	4187210.00	0.00049
651550.00	4187210.00	0.00052	651575.00	4187210.00	0.00055
651625.00	4187210.00	0.00063	651650.00	4187210.00	0.00068
651475.00	4187235.00	0.00045	651500.00	4187235.00	0.00047
651525.00	4187235.00	0.00049	651550.00	4187235.00	0.00052
651575.00	4187235.00	0.00055	651625.00	4187235.00	0.00063
651650.00	4187235.00	0.00068	651475.00	4187260.00	0.00045
651500.00	4187260.00	0.00047	651525.00	4187260.00	0.00049
651550.00	4187260.00	0.00052	651575.00	4187260.00	0.00055
651625.00	4187260.00	0.00063	651650.00	4187260.00	0.00068
651675.00	4187260.00	0.00074	651700.00	4187260.00	0.00081
651475.00	4187285.00	0.00045	651500.00	4187285.00	0.00047
651525.00	4187285.00	0.00049	651550.00	4187285.00	0.00052
651575.00	4187285.00	0.00055	651625.00	4187285.00	0.00063
651650.00	4187285.00	0.00068	651675.00	4187285.00	0.00074
651700.00	4187285.00	0.00081	651475.00	4187310.00	0.00045
651500.00	4187310.00	0.00047	651525.00	4187310.00	0.00049
651550.00	4187310.00	0.00052	651575.00	4187310.00	0.00055
651625.00	4187310.00	0.00063	651650.00	4187310.00	0.00068
651675.00	4187310.00	0.00074	651700.00	4187310.00	0.00081
651475.00	4187335.00	0.00045	651500.00	4187335.00	0.00047
651525.00	4187335.00	0.00049	651550.00	4187335.00	0.00052

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651575.00	4187335.00	0.00055	651625.00	4187335.00	0.00063
651650.00	4187335.00	0.00068	651675.00	4187335.00	0.00074
651700.00	4187335.00	0.00081	651475.00	4187360.00	0.00044
651500.00	4187360.00	0.00047	651525.00	4187360.00	0.00049
651550.00	4187360.00	0.00052	651575.00	4187360.00	0.00055
651625.00	4187360.00	0.00063	651650.00	4187360.00	0.00068
651675.00	4187360.00	0.00074	651700.00	4187360.00	0.00081
651475.00	4187385.00	0.00044	651500.00	4187385.00	0.00047
651525.00	4187385.00	0.00049	651550.00	4187385.00	0.00052
651575.00	4187385.00	0.00055	651625.00	4187385.00	0.00063
651650.00	4187385.00	0.00068	651675.00	4187385.00	0.00074
651700.00	4187385.00	0.00081	651475.00	4187410.00	0.00044
651500.00	4187410.00	0.00047	651525.00	4187410.00	0.00049
651550.00	4187410.00	0.00052	651575.00	4187410.00	0.00055
651625.00	4187410.00	0.00063	651650.00	4187410.00	0.00068
651675.00	4187410.00	0.00074	651700.00	4187410.00	0.00081
651475.00	4187435.00	0.00044	651500.00	4187435.00	0.00047
651525.00	4187435.00	0.00049	651550.00	4187435.00	0.00052
651575.00	4187435.00	0.00055	651625.00	4187435.00	0.00063
651650.00	4187435.00	0.00068	651675.00	4187435.00	0.00074
651700.00	4187435.00	0.00081	651475.00	4187460.00	0.00044
651500.00	4187460.00	0.00047	651525.00	4187460.00	0.00049
651550.00	4187460.00	0.00052	651575.00	4187460.00	0.00055
651625.00	4187460.00	0.00063	651650.00	4187460.00	0.00068
651675.00	4187460.00	0.00074	651700.00	4187460.00	0.00081
651475.00	4187485.00	0.00044	651500.00	4187485.00	0.00047
651525.00	4187485.00	0.00049	651550.00	4187485.00	0.00052
651575.00	4187485.00	0.00055	651625.00	4187485.00	0.00063
651650.00	4187485.00	0.00068	651675.00	4187485.00	0.00074
651700.00	4187485.00	0.00081	651475.00	4187510.00	0.00044
651500.00	4187510.00	0.00047	651525.00	4187510.00	0.00049
651550.00	4187510.00	0.00052	651575.00	4187510.00	0.00055
651625.00	4187510.00	0.00063	651650.00	4187510.00	0.00068
651675.00	4187510.00	0.00074	651700.00	4187510.00	0.00081
651475.00	4187535.00	0.00044	651500.00	4187535.00	0.00047
651525.00	4187535.00	0.00049	651550.00	4187535.00	0.00052
651575.00	4187535.00	0.00055	651625.00	4187535.00	0.00063
651650.00	4187535.00	0.00068	651675.00	4187535.00	0.00074
651700.00	4187535.00	0.00081	651475.00	4187560.00	0.00044
651500.00	4187560.00	0.00047	651525.00	4187560.00	0.00049

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651550.00	4187560.00	0.00052	651575.00	4187560.00	0.00055
651625.00	4187560.00	0.00063	651650.00	4187560.00	0.00068
651675.00	4187560.00	0.00074	651700.00	4187560.00	0.00081
651725.00	4187560.00	0.00090	651750.00	4187560.00	0.00100
651475.00	4187585.00	0.00044	651500.00	4187585.00	0.00047
651525.00	4187585.00	0.00049	651550.00	4187585.00	0.00052
651575.00	4187585.00	0.00055	651625.00	4187585.00	0.00063
651650.00	4187585.00	0.00068	651675.00	4187585.00	0.00074
651700.00	4187585.00	0.00081	651725.00	4187585.00	0.00090
651750.00	4187585.00	0.00101	651475.00	4187610.00	0.00044
651500.00	4187610.00	0.00047	651525.00	4187610.00	0.00049
651550.00	4187610.00	0.00052	651575.00	4187610.00	0.00055
651625.00	4187610.00	0.00063	651650.00	4187610.00	0.00068
651675.00	4187610.00	0.00074	651700.00	4187610.00	0.00081
651725.00	4187610.00	0.00090	651750.00	4187610.00	0.00101
651475.00	4187635.00	0.00045	651500.00	4187635.00	0.00047
651525.00	4187635.00	0.00049	651550.00	4187635.00	0.00052
651575.00	4187635.00	0.00055	651625.00	4187635.00	0.00063
651650.00	4187635.00	0.00068	651675.00	4187635.00	0.00074
651700.00	4187635.00	0.00081	651725.00	4187635.00	0.00090
651750.00	4187635.00	0.00101	651475.00	4187660.00	0.00045
651500.00	4187660.00	0.00047	651525.00	4187660.00	0.00049
651550.00	4187660.00	0.00052	651575.00	4187660.00	0.00055
651625.00	4187660.00	0.00063	651650.00	4187660.00	0.00068
651675.00	4187660.00	0.00074	651700.00	4187660.00	0.00081
651725.00	4187660.00	0.00089	651750.00	4187660.00	0.00101
651475.00	4187685.00	0.00045	651500.00	4187685.00	0.00047
651525.00	4187685.00	0.00049	651550.00	4187685.00	0.00052
651575.00	4187685.00	0.00055	651625.00	4187685.00	0.00063
651650.00	4187685.00	0.00068	651675.00	4187685.00	0.00074
651700.00	4187685.00	0.00081	651725.00	4187685.00	0.00089
651750.00	4187685.00	0.00101	651475.00	4187710.00	0.00045
651500.00	4187710.00	0.00047	651525.00	4187710.00	0.00049
651550.00	4187710.00	0.00052	651575.00	4187710.00	0.00055
651625.00	4187710.00	0.00063	651650.00	4187710.00	0.00068
651675.00	4187710.00	0.00073	651700.00	4187710.00	0.00080
651725.00	4187710.00	0.00089	651750.00	4187710.00	0.00101
651475.00	4187735.00	0.00045	651500.00	4187735.00	0.00047
651525.00	4187735.00	0.00049	651550.00	4187735.00	0.00052
651575.00	4187735.00	0.00055	651625.00	4187735.00	0.00063

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651650.00	4187735.00	0.00067	651675.00	4187735.00	0.00073
651700.00	4187735.00	0.00080	651725.00	4187735.00	0.00089
651750.00	4187735.00	0.00100	651475.00	4187760.00	0.00045
651500.00	4187760.00	0.00047	651525.00	4187760.00	0.00049
651550.00	4187760.00	0.00052	651575.00	4187760.00	0.00055
651625.00	4187760.00	0.00063	651650.00	4187760.00	0.00067
651675.00	4187760.00	0.00073	651700.00	4187760.00	0.00080
651725.00	4187760.00	0.00088	651750.00	4187760.00	0.00100
651475.00	4187785.00	0.00045	651500.00	4187785.00	0.00047
651525.00	4187785.00	0.00049	651550.00	4187785.00	0.00052
651575.00	4187785.00	0.00055	651625.00	4187785.00	0.00062
651650.00	4187785.00	0.00067	651675.00	4187785.00	0.00072
651700.00	4187785.00	0.00079	651725.00	4187785.00	0.00087
651750.00	4187785.00	0.00099	651475.00	4187810.00	0.00044
651500.00	4187810.00	0.00047	651525.00	4187810.00	0.00049
651550.00	4187810.00	0.00052	651575.00	4187810.00	0.00055
651625.00	4187810.00	0.00062	651650.00	4187810.00	0.00067
651675.00	4187810.00	0.00072	651700.00	4187810.00	0.00079
651725.00	4187810.00	0.00087	651750.00	4187810.00	0.00098
651475.00	4187835.00	0.00044	651500.00	4187835.00	0.00047
651525.00	4187835.00	0.00049	651550.00	4187835.00	0.00052
651575.00	4187835.00	0.00055	651625.00	4187835.00	0.00062
651650.00	4187835.00	0.00067	651675.00	4187835.00	0.00072
651700.00	4187835.00	0.00079	651725.00	4187835.00	0.00087
651750.00	4187835.00	0.00098	651475.00	4187860.00	0.00044
651500.00	4187860.00	0.00046	651525.00	4187860.00	0.00049
651550.00	4187860.00	0.00051	651575.00	4187860.00	0.00055
651625.00	4187860.00	0.00062	651650.00	4187860.00	0.00067
651675.00	4187860.00	0.00072	651700.00	4187860.00	0.00079
651725.00	4187860.00	0.00088	651750.00	4187860.00	0.00099
651475.00	4187885.00	0.00044	651500.00	4187885.00	0.00046
651525.00	4187885.00	0.00049	651550.00	4187885.00	0.00051
651575.00	4187885.00	0.00054	651625.00	4187885.00	0.00062
651650.00	4187885.00	0.00067	651675.00	4187885.00	0.00072
651700.00	4187885.00	0.00079	651725.00	4187885.00	0.00088
651750.00	4187885.00	0.00100	651475.00	4187910.00	0.00044
651500.00	4187910.00	0.00046	651525.00	4187910.00	0.00049
651550.00	4187910.00	0.00051	651575.00	4187910.00	0.00054
651625.00	4187910.00	0.00062	651650.00	4187910.00	0.00067
651675.00	4187910.00	0.00072	651700.00	4187910.00	0.00079

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651725.00	4187910.00	0.00088	651750.00	4187910.00	0.00100
651475.00	4187935.00	0.00044	651500.00	4187935.00	0.00046
651525.00	4187935.00	0.00049	651550.00	4187935.00	0.00051
651575.00	4187935.00	0.00054	651625.00	4187935.00	0.00062
651650.00	4187935.00	0.00067	651675.00	4187935.00	0.00072
651700.00	4187935.00	0.00079	651725.00	4187935.00	0.00088
651750.00	4187935.00	0.00099	648793.96	4183823.03	0.00049
648814.54	4183840.55	0.00048	648821.39	4183860.36	0.00046
648751.30	4183835.22	0.00046	648764.25	4183851.98	0.00045
648774.15	4183867.98	0.00044	648789.39	4183882.46	0.00044
648791.68	4183768.17	0.00055	648813.01	4183771.98	0.00056
648829.77	4183781.88	0.00056	648711.68	4183866.46	0.00042
648682.72	4183885.51	0.00039	648664.44	4183896.93	0.00038

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00114	AT (651775.00, 4186885.00, 6.78, 6.78, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00114	AT (651775.00, 4186785.00, 6.78, 6.78, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00114	AT (651775.00, 4186710.00, 6.77, 6.77, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00114	AT (651775.00, 4186860.00, 6.78, 6.78, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00113	AT (651775.00, 4186610.00, 6.76, 6.76, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00113	AT (651775.00, 4186910.00, 6.78, 6.78, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00113	AT (651775.00, 4186685.00, 6.77, 6.77, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00113	AT (651775.00, 4186935.00, 6.79, 6.79, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00113	AT (651775.00, 4186635.00, 6.76, 6.76, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00113	AT (651775.00, 4186760.00, 6.77, 6.77, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   1 Warning Message(s)
A Total of   1738 Informational Message(s)

A Total of   43848 Hours Were Processed

A Total of   1156 Calm Hours Identified

A Total of   582 Missing Hours Identified (1.33 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
ME W186   1411   MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used   0.50

   ****
   *** AERMOD Finishes Successfully ***
   ****

```
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE Valley Link: Tracy-Lathrop Segment S2, 2040 Annual Operation DPM
   MODELOPT CONC FASTAREA
   AVERTIME ANNUAL
   URBANOPT 538000 Modesto
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL Tracy-Lathrop_S2_operation_2040_DPM.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ----------------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = TRALATH_S2_D
** DESCRSRC Tracy-Lathrop Segment - Part 2, Day Time
** PREFIX
** Length of Side = 9.10
** Ratio = 10
** Vertical Dimension = 1.37
** Emission Rate = 1.7156E-08
** Nodes = 16
** 648413.228, 4183389.729, 8.03, 5.87
** 649061.665, 4183628.627, 8.93, 5.87
** 649846.614, 4183913.028, 5.22, 5.87
** 650301.657, 4184072.294, 6.61, 5.87
** 650711.196, 4184220.183, 5.39, 5.87
** 650972.846, 4184333.943, 7.33, 5.87
** 651188.991, 4184504.584, 5.82, 5.87
** 651416.513, 4184697.978, 7.28, 5.87
** 651575.778, 4184925.499, 5.82, 5.87
** 651700.915, 4185164.397, 6.94, 5.87
** 651803.299, 4185460.175, 7.41, 5.87
** 651826.051, 4185596.688, 7.54, 5.87
** 651848.804, 4185801.457, 5.77, 5.87
** 651837.427, 4186484.022, 6.81, 5.87
** 651826.051, 4188543.092, 6.82, 5.87
** 651791.923, 4190260.879, 6.81, 5.87
** ----------------------------------------------------------------------
   LOCATION A0000001     AREA     648414.801 4183385.460 8.24
   LOCATION A0000002     AREA     648495.856 4183415.322 8.25
   LOCATION A0000003     AREA     648576.910 4183445.184 8.27
   LOCATION A0000004     AREA     648657.965 4183475.046 8.73
   LOCATION A0000005     AREA     648739.020 4183504.908 9.24
   LOCATION A0000006     AREA     648820.074 4183534.771 9.02
   LOCATION A0000007     AREA     648901.129 4183564.633 10.03
   LOCATION A0000008     AREA     648982.183 4183594.495 1.43
   LOCATION A0000009     AREA     649063.215 4183624.349 9.09
   LOCATION A0000010     AREA     649141.710 4183652.789 8.39
   LOCATION A0000011     AREA     649220.205 4183681.229 8.52
   LOCATION A0000012     AREA     649298.700 4183709.669 8.89
   LOCATION A0000013     AREA     649377.194 4183738.109 7.18
   LOCATION A0000014     AREA     649455.689 4183766.550 8.28
   LOCATION A0000015     AREA     649534.184 4183794.990 9.25
   LOCATION A0000016     AREA     649612.679 4183823.430 8.14
   LOCATION A0000017     AREA     649691.174 4183851.870 7.87
   LOCATION A0000018     AREA     649769.669 4183880.310 6.85
   LOCATION A0000019     AREA     649848.117 4183908.734 6.63
   LOCATION A0000020     AREA     649923.958 4183935.278 6.33
   LOCATION A0000021     AREA     649999.798 4183961.822 7.07
   LOCATION A0000022     AREA     650075.639 4183988.366 6.49
   LOCATION A0000023     AREA     650151.479 4184014.911 7.70
   LOCATION A0000024     AREA     650227.320 4184041.455 7.77
   LOCATION A0000025     AREA     650303.203 4184068.014 7.46
   LOCATION A0000026     AREA     650385.110 4184097.592 6.77
   LOCATION A0000027     AREA     650467.018 4184127.170 6.43
   LOCATION A0000028     AREA     650548.926 4184156.747 6.62
   LOCATION A0000029     AREA     650630.834 4184186.325 6.65
   LOCATION A0000030     AREA     650713.010 4184216.010 6.14
   LOCATION A0000031     AREA     650778.423 4184244.450 6.04
   LOCATION A0000032     AREA     650843.835 4184272.890 6.37
   LOCATION A0000033     AREA     650909.247 4184301.330 6.86
   LOCATION A0000034     AREA     650975.665 4184330.372 7.11
   LOCATION A0000035     AREA     651029.701 4184373.032 7.01
   LOCATION A0000036     AREA     651083.738 4184415.693 6.36
   LOCATION A0000037     AREA     651137.774 4184458.353 5.81
   LOCATION A0000038     AREA     651191.938 4184501.118 6.26
   LOCATION A0000039     AREA     651248.818 4184549.466 5.76
   LOCATION A0000040     AREA     651305.699 4184597.814 5.90
   LOCATION A0000041     AREA     651362.579 4184646.163 7.69
   LOCATION A0000042     AREA     651420.240 4184695.369 6.89
   LOCATION A0000043     AREA     651460.056 4184752.249 6.24
   LOCATION A0000044     AREA     651499.873 4184809.129 5.53
   LOCATION A0000045     AREA     651539.689 4184866.010 5.53
```

```
   LOCATION A0000046     AREA     651579.808 4184923.388 5.85
   LOCATION A0000047     AREA     651621.520 4185003.021 6.51
   LOCATION A0000048     AREA     651663.233 4185082.653 6.60
   LOCATION A0000049     AREA     651705.214 4185162.909 7.45
   LOCATION A0000050     AREA     651730.810 4185236.853 7.27
   LOCATION A0000051     AREA     651756.407 4185310.798 7.37
   LOCATION A0000052     AREA     651782.003 4185384.742 8.00
   LOCATION A0000053     AREA     651807.787 4185459.427 6.71
   LOCATION A0000054     AREA     651819.163 4185527.683 7.47
   LOCATION A0000055     AREA     651830.574 4185596.185 7.18
   LOCATION A0000056     AREA     651838.158 4185664.442 6.14
   LOCATION A0000057     AREA     651845.742 4185732.698 5.78
   LOCATION A0000058     AREA     651853.353 4185801.533 5.57
   LOCATION A0000059     AREA     651851.931 4185886.854 5.73
   LOCATION A0000060     AREA     651850.509 4185972.174 6.07
   LOCATION A0000061     AREA     651849.087 4186057.495 6.39
   LOCATION A0000062     AREA     651847.665 4186142.815 6.48
   LOCATION A0000063     AREA     651846.243 4186228.136 6.60
   LOCATION A0000064     AREA     651844.821 4186313.456 6.83
   LOCATION A0000065     AREA     651843.399 4186398.777 6.81
   LOCATION A0000066     AREA     651841.977 4186484.047 6.81
   LOCATION A0000067     AREA     651841.483 4186573.572 6.81
   LOCATION A0000068     AREA     651840.988 4186663.096 6.81
   LOCATION A0000069     AREA     651840.494 4186752.621 6.81
   LOCATION A0000070     AREA     651839.999 4186842.146 6.81
   LOCATION A0000071     AREA     651839.504 4186931.671 6.81
   LOCATION A0000072     AREA     651839.010 4187021.196 6.81
   LOCATION A0000073     AREA     651838.515 4187110.720 6.81
   LOCATION A0000074     AREA     651838.020 4187200.245 6.81
   LOCATION A0000075     AREA     651837.526 4187289.770 6.81
   LOCATION A0000076     AREA     651837.031 4187379.295 6.82
   LOCATION A0000077     AREA     651836.537 4187468.819 6.81
   LOCATION A0000078     AREA     651836.042 4187558.344 6.81
   LOCATION A0000079     AREA     651835.547 4187647.869 6.81
   LOCATION A0000080     AREA     651835.053 4187737.394 6.81
   LOCATION A0000081     AREA     651834.558 4187826.919 6.81
   LOCATION A0000082     AREA     651834.064 4187916.443 6.81
   LOCATION A0000083     AREA     651833.569 4188005.968 6.81
   LOCATION A0000084     AREA     651833.074 4188095.493 6.81
   LOCATION A0000085     AREA     651832.580 4188185.018 6.81
   LOCATION A0000086     AREA     651832.085 4188274.542 6.81
   LOCATION A0000087     AREA     651831.591 4188364.067 6.81
   LOCATION A0000088     AREA     651831.096 4188453.592 6.81
   LOCATION A0000089     AREA     651830.600 4188543.182 6.81
   LOCATION A0000090     AREA     651828.804 4188633.592 6.81
   LOCATION A0000091     AREA     651827.008 4188724.002 6.81
   LOCATION A0000092     AREA     651825.212 4188814.412 6.81
   LOCATION A0000093     AREA     651823.416 4188904.821 6.81
   LOCATION A0000094     AREA     651821.619 4188995.231 6.81
   LOCATION A0000095     AREA     651819.823 4189085.641 6.81
   LOCATION A0000096     AREA     651818.027 4189176.051 6.81
   LOCATION A0000097     AREA     651816.231 4189266.461 6.81
   LOCATION A0000098     AREA     651814.434 4189356.871 6.81
   LOCATION A0000099     AREA     651812.638 4189447.281 6.81
   LOCATION A0000100     AREA     651810.842 4189537.691 6.81
   LOCATION A0000101     AREA     651809.046 4189628.100 6.81
   LOCATION A0000102     AREA     651807.250 4189718.510 6.81
   LOCATION A0000103     AREA     651805.453 4189808.920 6.81
   LOCATION A0000104     AREA     651803.657 4189899.330 6.81
   LOCATION A0000105     AREA     651801.861 4189989.740 6.81
   LOCATION A0000106     AREA     651800.065 4190080.150 6.81
   LOCATION A0000107     AREA     651798.268 4190170.560 6.81
** End of LINE AREA Source ID = TRALATH_S2_D
** ------------------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = TRALATH_S2_N
** DESCRSRC Tracy-Lathrop Segment - Part 2, Night Time
** PREFIX
** Length of Side = 9.10
** Ratio = 10
** Vertical Dimension = 2.55
** Emission Rate = 1.7156E-08
** Nodes = 16
** 648413.228, 4183389.729, 8.03, 10.98
** 649061.665, 4183628.627, 8.93, 10.98
** 649846.614, 4183913.028, 5.22, 10.98
** 650301.657, 4184072.294, 6.61, 10.98
** 650711.196, 4184220.183, 5.39, 10.98
** 650972.846, 4184333.943, 7.33, 10.98
** 651188.991, 4184504.584, 5.82, 10.98
** 651416.513, 4184697.978, 7.28, 10.98
** 651575.778, 4184925.499, 5.82, 10.98
** 651700.915, 4185164.397, 6.94, 10.98
** 651803.299, 4185460.175, 7.41, 10.98
** 651826.051, 4185596.688, 7.54, 10.98
** 651848.804, 4185801.457, 5.77, 10.98
** 651837.427, 4186484.022, 6.81, 10.98
** 651826.051, 4188543.092, 6.82, 10.98
** 651791.923, 4190260.879, 6.81, 10.98
** ------------------------------------------------------------------------
   LOCATION A0000108     AREA     648414.801 4183385.460 8.24
   LOCATION A0000109     AREA     648495.856 4183415.322 8.25
   LOCATION A0000110     AREA     648576.910 4183445.184 8.27
   LOCATION A0000111     AREA     648657.965 4183475.046 8.73
   LOCATION A0000112     AREA     648739.020 4183504.908 9.24
```

LOCATION A0000113 AREA 648820.074 4183534.771 9.02
LOCATION A0000114 AREA 648901.129 4183564.633 10.03
LOCATION A0000115 AREA 648982.183 4183594.495 1.43
LOCATION A0000116 AREA 649063.215 4183624.349 9.09
LOCATION A0000117 AREA 649141.710 4183652.789 8.39
LOCATION A0000118 AREA 649220.205 4183681.229 8.52
LOCATION A0000119 AREA 649298.700 4183709.669 8.89
LOCATION A0000120 AREA 649377.194 4183738.109 7.18
LOCATION A0000121 AREA 649455.689 4183766.550 8.28
LOCATION A0000122 AREA 649534.184 4183794.990 9.25
LOCATION A0000123 AREA 649612.679 4183823.430 8.14
LOCATION A0000124 AREA 649691.174 4183851.870 7.87
LOCATION A0000125 AREA 649769.669 4183880.310 6.85
LOCATION A0000126 AREA 649848.117 4183908.734 6.63
LOCATION A0000127 AREA 649923.958 4183935.278 6.33
LOCATION A0000128 AREA 649999.798 4183961.822 7.07
LOCATION A0000129 AREA 650075.639 4183988.366 6.49
LOCATION A0000130 AREA 650151.479 4184014.911 7.70
LOCATION A0000131 AREA 650227.320 4184041.455 7.77
LOCATION A0000132 AREA 650303.203 4184068.014 7.46
LOCATION A0000133 AREA 650385.110 4184097.592 6.77
LOCATION A0000134 AREA 650467.018 4184127.170 6.43
LOCATION A0000135 AREA 650548.926 4184156.747 6.62
LOCATION A0000136 AREA 650630.834 4184186.325 6.65
LOCATION A0000137 AREA 650713.010 4184216.010 6.14
LOCATION A0000138 AREA 650778.423 4184244.450 6.04
LOCATION A0000139 AREA 650843.835 4184272.890 6.37
LOCATION A0000140 AREA 650909.247 4184301.330 6.86
LOCATION A0000141 AREA 650975.665 4184330.372 7.11
LOCATION A0000142 AREA 651029.701 4184373.032 7.01
LOCATION A0000143 AREA 651083.738 4184415.693 6.36
LOCATION A0000144 AREA 651137.774 4184458.353 5.81
LOCATION A0000145 AREA 651191.938 4184501.118 6.26
LOCATION A0000146 AREA 651248.818 4184549.466 5.76
LOCATION A0000147 AREA 651305.699 4184597.814 5.90
LOCATION A0000148 AREA 651362.579 4184646.163 7.69
LOCATION A0000149 AREA 651420.240 4184695.369 6.89
LOCATION A0000150 AREA 651460.056 4184752.249 6.24
LOCATION A0000151 AREA 651499.873 4184809.129 5.53
LOCATION A0000152 AREA 651539.689 4184866.010 5.53
LOCATION A0000153 AREA 651579.808 4184923.388 5.85
LOCATION A0000154 AREA 651621.520 4185003.021 6.51
LOCATION A0000155 AREA 651663.233 4185082.653 6.60
LOCATION A0000156 AREA 651705.214 4185162.909 7.45
LOCATION A0000157 AREA 651730.810 4185236.853 7.27
LOCATION A0000158 AREA 651756.407 4185310.798 7.37
LOCATION A0000159 AREA 651782.003 4185384.742 8.00
LOCATION A0000160 AREA 651807.787 4185459.427 6.71
LOCATION A0000161 AREA 651819.163 4185527.683 7.47
LOCATION A0000162 AREA 651830.574 4185596.185 7.18
LOCATION A0000163 AREA 651838.158 4185664.442 6.14
LOCATION A0000164 AREA 651845.742 4185732.698 5.78
LOCATION A0000165 AREA 651853.353 4185801.533 5.57
LOCATION A0000166 AREA 651851.931 4185886.854 5.73
LOCATION A0000167 AREA 651850.509 4185972.174 6.07
LOCATION A0000168 AREA 651849.087 4186057.495 6.39
LOCATION A0000169 AREA 651847.665 4186142.815 6.48
LOCATION A0000170 AREA 651846.243 4186228.136 6.60
LOCATION A0000171 AREA 651844.821 4186313.456 6.83
LOCATION A0000172 AREA 651843.399 4186398.777 6.81
LOCATION A0000173 AREA 651841.977 4186484.047 6.81
LOCATION A0000174 AREA 651841.483 4186573.572 6.81
LOCATION A0000175 AREA 651840.988 4186663.096 6.81
LOCATION A0000176 AREA 651840.494 4186752.621 6.81
LOCATION A0000177 AREA 651839.999 4186842.146 6.81
LOCATION A0000178 AREA 651839.504 4186931.671 6.81
LOCATION A0000179 AREA 651839.010 4187021.196 6.81
LOCATION A0000180 AREA 651838.515 4187110.720 6.81
LOCATION A0000181 AREA 651838.020 4187200.245 6.81
LOCATION A0000182 AREA 651837.526 4187289.770 6.81
LOCATION A0000183 AREA 651837.031 4187379.295 6.82
LOCATION A0000184 AREA 651836.537 4187468.819 6.81
LOCATION A0000185 AREA 651836.042 4187558.344 6.81
LOCATION A0000186 AREA 651835.547 4187647.869 6.81
LOCATION A0000187 AREA 651835.053 4187737.394 6.81
LOCATION A0000188 AREA 651834.558 4187826.919 6.81
LOCATION A0000189 AREA 651834.064 4187916.443 6.81
LOCATION A0000190 AREA 651833.569 4188005.968 6.81
LOCATION A0000191 AREA 651833.074 4188095.493 6.81
LOCATION A0000192 AREA 651832.580 4188185.018 6.81
LOCATION A0000193 AREA 651832.085 4188274.542 6.81
LOCATION A0000194 AREA 651831.591 4188364.067 6.81
LOCATION A0000195 AREA 651831.096 4188453.592 6.81
LOCATION A0000196 AREA 651830.600 4188543.182 6.81
LOCATION A0000197 AREA 651828.804 4188633.592 6.81
LOCATION A0000198 AREA 651827.008 4188724.002 6.81
LOCATION A0000199 AREA 651825.212 4188814.412 6.81
LOCATION A0000200 AREA 651823.416 4188904.821 6.81
LOCATION A0000201 AREA 651821.619 4188995.231 6.81
LOCATION A0000202 AREA 651819.823 4189085.641 6.81
LOCATION A0000203 AREA 651818.027 4189176.051 6.81
LOCATION A0000204 AREA 651816.231 4189266.461 6.81
LOCATION A0000205 AREA 651814.434 4189356.871 6.81
LOCATION A0000206 AREA 651812.638 4189447.281 6.81
LOCATION A0000207 AREA 651810.842 4189537.691 6.81

```
   LOCATION A0000208     AREA     651809.046 4189628.100 6.81
   LOCATION A0000209     AREA     651807.250 4189718.510 6.81
   LOCATION A0000210     AREA     651805.453 4189808.920 6.81
   LOCATION A0000211     AREA     651803.657 4189899.330 6.81
   LOCATION A0000212     AREA     651801.861 4189989.740 6.81
   LOCATION A0000213     AREA     651800.065 4190080.150 6.81
   LOCATION A0000214     AREA     651798.268 4190170.560 6.81
** End of LINE AREA Source ID = TRALATH_S2_N
** Source Parameters **
** LINE AREA Source ID = TRALATH_S2_D
   SRCPARAM A0000001     1.7156E-08     5.870    86.380     9.100   -20.225     1.370
   SRCPARAM A0000002     1.7156E-08     5.870    86.380     9.100   -20.225     1.370
   SRCPARAM A0000003     1.7156E-08     5.870    86.380     9.100   -20.225     1.370
   SRCPARAM A0000004     1.7156E-08     5.870    86.380     9.100   -20.225     1.370
   SRCPARAM A0000005     1.7156E-08     5.870    86.380     9.100   -20.225     1.370
   SRCPARAM A0000006     1.7156E-08     5.870    86.380     9.100   -20.225     1.370
   SRCPARAM A0000007     1.7156E-08     5.870    86.380     9.100   -20.225     1.370
   SRCPARAM A0000008     1.7156E-08     5.870    86.380     9.100   -20.225     1.370
   SRCPARAM A0000009     1.7156E-08     5.870    83.488     9.100   -19.916     1.370
   SRCPARAM A0000010     1.7156E-08     5.870    83.488     9.100   -19.916     1.370
   SRCPARAM A0000011     1.7156E-08     5.870    83.488     9.100   -19.916     1.370
   SRCPARAM A0000012     1.7156E-08     5.870    83.488     9.100   -19.916     1.370
   SRCPARAM A0000013     1.7156E-08     5.870    83.488     9.100   -19.916     1.370
   SRCPARAM A0000014     1.7156E-08     5.870    83.488     9.100   -19.916     1.370
   SRCPARAM A0000015     1.7156E-08     5.870    83.488     9.100   -19.916     1.370
   SRCPARAM A0000016     1.7156E-08     5.870    83.488     9.100   -19.916     1.370
   SRCPARAM A0000017     1.7156E-08     5.870    83.488     9.100   -19.916     1.370
   SRCPARAM A0000018     1.7156E-08     5.870    83.488     9.100   -19.916     1.370
   SRCPARAM A0000019     1.7156E-08     5.870    80.352     9.100   -19.290     1.370
   SRCPARAM A0000020     1.7156E-08     5.870    80.352     9.100   -19.290     1.370
   SRCPARAM A0000021     1.7156E-08     5.870    80.352     9.100   -19.290     1.370
   SRCPARAM A0000022     1.7156E-08     5.870    80.352     9.100   -19.290     1.370
   SRCPARAM A0000023     1.7156E-08     5.870    80.352     9.100   -19.290     1.370
   SRCPARAM A0000024     1.7156E-08     5.870    80.352     9.100   -19.290     1.370
   SRCPARAM A0000025     1.7156E-08     5.870    87.085     9.100   -19.855     1.370
   SRCPARAM A0000026     1.7156E-08     5.870    87.085     9.100   -19.855     1.370
   SRCPARAM A0000027     1.7156E-08     5.870    87.085     9.100   -19.855     1.370
   SRCPARAM A0000028     1.7156E-08     5.870    87.085     9.100   -19.855     1.370
   SRCPARAM A0000029     1.7156E-08     5.870    87.085     9.100   -19.855     1.370
   SRCPARAM A0000030     1.7156E-08     5.870    71.328     9.100   -23.499     1.370
   SRCPARAM A0000031     1.7156E-08     5.870    71.328     9.100   -23.499     1.370
   SRCPARAM A0000032     1.7156E-08     5.870    71.328     9.100   -23.499     1.370
   SRCPARAM A0000033     1.7156E-08     5.870    71.328     9.100   -23.499     1.370
   SRCPARAM A0000034     1.7156E-08     5.870    68.846     9.100   -38.290     1.370
   SRCPARAM A0000035     1.7156E-08     5.870    68.846     9.100   -38.290     1.370
   SRCPARAM A0000036     1.7156E-08     5.870    68.846     9.100   -38.290     1.370
   SRCPARAM A0000037     1.7156E-08     5.870    68.846     9.100   -38.290     1.370
   SRCPARAM A0000038     1.7156E-08     5.870    74.652     9.100   -40.365     1.370
   SRCPARAM A0000039     1.7156E-08     5.870    74.652     9.100   -40.365     1.370
   SRCPARAM A0000040     1.7156E-08     5.870    74.652     9.100   -40.365     1.370
   SRCPARAM A0000041     1.7156E-08     5.870    74.652     9.100   -40.365     1.370
   SRCPARAM A0000042     1.7156E-08     5.870    69.431     9.100   -55.008     1.370
   SRCPARAM A0000043     1.7156E-08     5.870    69.431     9.100   -55.008     1.370
   SRCPARAM A0000044     1.7156E-08     5.870    69.431     9.100   -55.008     1.370
   SRCPARAM A0000045     1.7156E-08     5.870    69.431     9.100   -55.008     1.370
   SRCPARAM A0000046     1.7156E-08     5.870    89.896     9.100   -62.354     1.370
   SRCPARAM A0000047     1.7156E-08     5.870    89.896     9.100   -62.354     1.370
   SRCPARAM A0000048     1.7156E-08     5.870    89.896     9.100   -62.354     1.370
   SRCPARAM A0000049     1.7156E-08     5.870    78.249     9.100   -70.907     1.370
   SRCPARAM A0000050     1.7156E-08     5.870    78.249     9.100   -70.907     1.370
   SRCPARAM A0000051     1.7156E-08     5.870    78.249     9.100   -70.907     1.370
   SRCPARAM A0000052     1.7156E-08     5.870    78.249     9.100   -70.907     1.370
   SRCPARAM A0000053     1.7156E-08     5.870    69.198     9.100   -80.538     1.370
   SRCPARAM A0000054     1.7156E-08     5.870    69.198     9.100   -80.538     1.370
   SRCPARAM A0000055     1.7156E-08     5.870    68.677     9.100   -83.660     1.370
   SRCPARAM A0000056     1.7156E-08     5.870    68.677     9.100   -83.660     1.370
   SRCPARAM A0000057     1.7156E-08     5.870    68.677     9.100   -83.660     1.370
   SRCPARAM A0000058     1.7156E-08     5.870    85.332     9.100   -90.955     1.370
   SRCPARAM A0000059     1.7156E-08     5.870    85.332     9.100   -90.955     1.370
   SRCPARAM A0000060     1.7156E-08     5.870    85.332     9.100   -90.955     1.370
   SRCPARAM A0000061     1.7156E-08     5.870    85.332     9.100   -90.955     1.370
   SRCPARAM A0000062     1.7156E-08     5.870    85.332     9.100   -90.955     1.370
   SRCPARAM A0000063     1.7156E-08     5.870    85.332     9.100   -90.955     1.370
   SRCPARAM A0000064     1.7156E-08     5.870    85.332     9.100   -90.955     1.370
   SRCPARAM A0000065     1.7156E-08     5.870    85.332     9.100   -90.955     1.370
   SRCPARAM A0000066     1.7156E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000067     1.7156E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000068     1.7156E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000069     1.7156E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000070     1.7156E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000071     1.7156E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000072     1.7156E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000073     1.7156E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000074     1.7156E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000075     1.7156E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000076     1.7156E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000077     1.7156E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000078     1.7156E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000079     1.7156E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000080     1.7156E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000081     1.7156E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000082     1.7156E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000083     1.7156E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000084     1.7156E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000085     1.7156E-08     5.870    89.526     9.100   -90.317     1.370
```

```
   SRCPARAM A0000086     1.7156E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000087     1.7156E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000088     1.7156E-08     5.870    89.526     9.100   -90.317     1.370
   SRCPARAM A0000089     1.7156E-08     5.870    90.428     9.100   -91.138     1.370
   SRCPARAM A0000090     1.7156E-08     5.870    90.428     9.100   -91.138     1.370
   SRCPARAM A0000091     1.7156E-08     5.870    90.428     9.100   -91.138     1.370
   SRCPARAM A0000092     1.7156E-08     5.870    90.428     9.100   -91.138     1.370
   SRCPARAM A0000093     1.7156E-08     5.870    90.428     9.100   -91.138     1.370
   SRCPARAM A0000094     1.7156E-08     5.870    90.428     9.100   -91.138     1.370
   SRCPARAM A0000095     1.7156E-08     5.870    90.428     9.100   -91.138     1.370
   SRCPARAM A0000096     1.7156E-08     5.870    90.428     9.100   -91.138     1.370
   SRCPARAM A0000097     1.7156E-08     5.870    90.428     9.100   -91.138     1.370
   SRCPARAM A0000098     1.7156E-08     5.870    90.428     9.100   -91.138     1.370
   SRCPARAM A0000099     1.7156E-08     5.870    90.428     9.100   -91.138     1.370
   SRCPARAM A0000100     1.7156E-08     5.870    90.428     9.100   -91.138     1.370
   SRCPARAM A0000101     1.7156E-08     5.870    90.428     9.100   -91.138     1.370
   SRCPARAM A0000102     1.7156E-08     5.870    90.428     9.100   -91.138     1.370
   SRCPARAM A0000103     1.7156E-08     5.870    90.428     9.100   -91.138     1.370
   SRCPARAM A0000104     1.7156E-08     5.870    90.428     9.100   -91.138     1.370
   SRCPARAM A0000105     1.7156E-08     5.870    90.428     9.100   -91.138     1.370
   SRCPARAM A0000106     1.7156E-08     5.870    90.428     9.100   -91.138     1.370
   SRCPARAM A0000107     1.7156E-08     5.870    90.428     9.100   -91.138     1.370
** ------------------------------------------------------------------
** LINE AREA Source ID = TRALATH_S2_N
   SRCPARAM A0000108     1.7156E-08    10.980    86.380     9.100   -20.225     2.550
   SRCPARAM A0000109     1.7156E-08    10.980    86.380     9.100   -20.225     2.550
   SRCPARAM A0000110     1.7156E-08    10.980    86.380     9.100   -20.225     2.550
   SRCPARAM A0000111     1.7156E-08    10.980    86.380     9.100   -20.225     2.550
   SRCPARAM A0000112     1.7156E-08    10.980    86.380     9.100   -20.225     2.550
   SRCPARAM A0000113     1.7156E-08    10.980    86.380     9.100   -20.225     2.550
   SRCPARAM A0000114     1.7156E-08    10.980    86.380     9.100   -20.225     2.550
   SRCPARAM A0000115     1.7156E-08    10.980    86.380     9.100   -20.225     2.550
   SRCPARAM A0000116     1.7156E-08    10.980    83.488     9.100   -19.916     2.550
   SRCPARAM A0000117     1.7156E-08    10.980    83.488     9.100   -19.916     2.550
   SRCPARAM A0000118     1.7156E-08    10.980    83.488     9.100   -19.916     2.550
   SRCPARAM A0000119     1.7156E-08    10.980    83.488     9.100   -19.916     2.550
   SRCPARAM A0000120     1.7156E-08    10.980    83.488     9.100   -19.916     2.550
   SRCPARAM A0000121     1.7156E-08    10.980    83.488     9.100   -19.916     2.550
   SRCPARAM A0000122     1.7156E-08    10.980    83.488     9.100   -19.916     2.550
   SRCPARAM A0000123     1.7156E-08    10.980    83.488     9.100   -19.916     2.550
   SRCPARAM A0000124     1.7156E-08    10.980    83.488     9.100   -19.916     2.550
   SRCPARAM A0000125     1.7156E-08    10.980    83.488     9.100   -19.916     2.550
   SRCPARAM A0000126     1.7156E-08    10.980    80.352     9.100   -19.290     2.550
   SRCPARAM A0000127     1.7156E-08    10.980    80.352     9.100   -19.290     2.550
   SRCPARAM A0000128     1.7156E-08    10.980    80.352     9.100   -19.290     2.550
   SRCPARAM A0000129     1.7156E-08    10.980    80.352     9.100   -19.290     2.550
   SRCPARAM A0000130     1.7156E-08    10.980    80.352     9.100   -19.290     2.550
   SRCPARAM A0000131     1.7156E-08    10.980    80.352     9.100   -19.290     2.550
   SRCPARAM A0000132     1.7156E-08    10.980    87.085     9.100   -19.855     2.550
   SRCPARAM A0000133     1.7156E-08    10.980    87.085     9.100   -19.855     2.550
   SRCPARAM A0000134     1.7156E-08    10.980    87.085     9.100   -19.855     2.550
   SRCPARAM A0000135     1.7156E-08    10.980    87.085     9.100   -19.855     2.550
   SRCPARAM A0000136     1.7156E-08    10.980    87.085     9.100   -19.855     2.550
   SRCPARAM A0000137     1.7156E-08    10.980    71.328     9.100   -23.499     2.550
   SRCPARAM A0000138     1.7156E-08    10.980    71.328     9.100   -23.499     2.550
   SRCPARAM A0000139     1.7156E-08    10.980    71.328     9.100   -23.499     2.550
   SRCPARAM A0000140     1.7156E-08    10.980    71.328     9.100   -23.499     2.550
   SRCPARAM A0000141     1.7156E-08    10.980    68.846     9.100   -38.290     2.550
   SRCPARAM A0000142     1.7156E-08    10.980    68.846     9.100   -38.290     2.550
   SRCPARAM A0000143     1.7156E-08    10.980    68.846     9.100   -38.290     2.550
   SRCPARAM A0000144     1.7156E-08    10.980    68.846     9.100   -38.290     2.550
   SRCPARAM A0000145     1.7156E-08    10.980    74.652     9.100   -40.365     2.550
   SRCPARAM A0000146     1.7156E-08    10.980    74.652     9.100   -40.365     2.550
   SRCPARAM A0000147     1.7156E-08    10.980    74.652     9.100   -40.365     2.550
   SRCPARAM A0000148     1.7156E-08    10.980    74.652     9.100   -40.365     2.550
   SRCPARAM A0000149     1.7156E-08    10.980    69.431     9.100   -55.008     2.550
   SRCPARAM A0000150     1.7156E-08    10.980    69.431     9.100   -55.008     2.550
   SRCPARAM A0000151     1.7156E-08    10.980    69.431     9.100   -55.008     2.550
   SRCPARAM A0000152     1.7156E-08    10.980    69.431     9.100   -55.008     2.550
   SRCPARAM A0000153     1.7156E-08    10.980    89.896     9.100   -62.354     2.550
   SRCPARAM A0000154     1.7156E-08    10.980    89.896     9.100   -62.354     2.550
   SRCPARAM A0000155     1.7156E-08    10.980    89.896     9.100   -62.354     2.550
   SRCPARAM A0000156     1.7156E-08    10.980    78.249     9.100   -70.907     2.550
   SRCPARAM A0000157     1.7156E-08    10.980    78.249     9.100   -70.907     2.550
   SRCPARAM A0000158     1.7156E-08    10.980    78.249     9.100   -70.907     2.550
   SRCPARAM A0000159     1.7156E-08    10.980    78.249     9.100   -70.907     2.550
   SRCPARAM A0000160     1.7156E-08    10.980    69.198     9.100   -80.538     2.550
   SRCPARAM A0000161     1.7156E-08    10.980    69.198     9.100   -80.538     2.550
   SRCPARAM A0000162     1.7156E-08    10.980    68.677     9.100   -83.660     2.550
   SRCPARAM A0000163     1.7156E-08    10.980    68.677     9.100   -83.660     2.550
   SRCPARAM A0000164     1.7156E-08    10.980    68.677     9.100   -83.660     2.550
   SRCPARAM A0000165     1.7156E-08    10.980    85.332     9.100   -90.955     2.550
   SRCPARAM A0000166     1.7156E-08    10.980    85.332     9.100   -90.955     2.550
   SRCPARAM A0000167     1.7156E-08    10.980    85.332     9.100   -90.955     2.550
   SRCPARAM A0000168     1.7156E-08    10.980    85.332     9.100   -90.955     2.550
   SRCPARAM A0000169     1.7156E-08    10.980    85.332     9.100   -90.955     2.550
   SRCPARAM A0000170     1.7156E-08    10.980    85.332     9.100   -90.955     2.550
   SRCPARAM A0000171     1.7156E-08    10.980    85.332     9.100   -90.955     2.550
   SRCPARAM A0000172     1.7156E-08    10.980    85.332     9.100   -90.955     2.550
   SRCPARAM A0000173     1.7156E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000174     1.7156E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000175     1.7156E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000176     1.7156E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000177     1.7156E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000178     1.7156E-08    10.980    89.526     9.100   -90.317     2.550
```

```
   SRCPARAM A0000179     1.7156E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000180     1.7156E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000181     1.7156E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000182     1.7156E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000183     1.7156E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000184     1.7156E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000185     1.7156E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000186     1.7156E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000187     1.7156E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000188     1.7156E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000189     1.7156E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000190     1.7156E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000191     1.7156E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000192     1.7156E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000193     1.7156E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000194     1.7156E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000195     1.7156E-08    10.980    89.526     9.100   -90.317     2.550
   SRCPARAM A0000196     1.7156E-08    10.980    90.428     9.100   -91.138     2.550
   SRCPARAM A0000197     1.7156E-08    10.980    90.428     9.100   -91.138     2.550
   SRCPARAM A0000198     1.7156E-08    10.980    90.428     9.100   -91.138     2.550
   SRCPARAM A0000199     1.7156E-08    10.980    90.428     9.100   -91.138     2.550
   SRCPARAM A0000200     1.7156E-08    10.980    90.428     9.100   -91.138     2.550
   SRCPARAM A0000201     1.7156E-08    10.980    90.428     9.100   -91.138     2.550
   SRCPARAM A0000202     1.7156E-08    10.980    90.428     9.100   -91.138     2.550
   SRCPARAM A0000203     1.7156E-08    10.980    90.428     9.100   -91.138     2.550
   SRCPARAM A0000204     1.7156E-08    10.980    90.428     9.100   -91.138     2.550
   SRCPARAM A0000205     1.7156E-08    10.980    90.428     9.100   -91.138     2.550
   SRCPARAM A0000206     1.7156E-08    10.980    90.428     9.100   -91.138     2.550
   SRCPARAM A0000207     1.7156E-08    10.980    90.428     9.100   -91.138     2.550
   SRCPARAM A0000208     1.7156E-08    10.980    90.428     9.100   -91.138     2.550
   SRCPARAM A0000209     1.7156E-08    10.980    90.428     9.100   -91.138     2.550
   SRCPARAM A0000210     1.7156E-08    10.980    90.428     9.100   -91.138     2.550
   SRCPARAM A0000211     1.7156E-08    10.980    90.428     9.100   -91.138     2.550
   SRCPARAM A0000212     1.7156E-08    10.980    90.428     9.100   -91.138     2.550
   SRCPARAM A0000213     1.7156E-08    10.980    90.428     9.100   -91.138     2.550
   SRCPARAM A0000214     1.7156E-08    10.980    90.428     9.100   -91.138     2.550
** ------------------------------------------------------------------
   URBANSRC ALL

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Day"
   EMISFACT A0000001     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000001     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000001     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000001     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000002     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000002     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000002     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000002     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000003     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000003     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000003     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000003     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000004     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000004     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000004     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000004     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000005     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000005     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000005     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000005     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000006     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000006     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000006     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000006     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000007     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000007     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000007     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000007     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000008     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000008     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000008     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000008     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000009     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000009     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000009     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000009     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000010     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000010     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000010     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000010     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000011     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000011     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000011     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000011     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000012     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000012     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000013     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000013     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
```

```
EMISFACT A0000014     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000014     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000015     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000015     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000015     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000015     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000016     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000016     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000016     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000016     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000017     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000017     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000017     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000017     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000018     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000018     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000018     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000018     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000019     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000019     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000019     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000019     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000020     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000020     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000020     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000020     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000021     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000021     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000021     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000021     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000022     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000022     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000022     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000022     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000023     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000023     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000023     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000023     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000024     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000024     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000024     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000024     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000025     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000025     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000025     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000025     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000026     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000026     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000026     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000026     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000027     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000027     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000027     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000027     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000028     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000028     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000028     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000028     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000029     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000029     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000029     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000029     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000030     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000030     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000030     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000030     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000031     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000031     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000031     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000031     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000032     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000032     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000032     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000032     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000033     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000033     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000033     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000033     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000034     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000034     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000034     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000034     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000035     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000035     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000035     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000035     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000036     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000036     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000036     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000036     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000037     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000037     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000037     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000037     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000038     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT A0000038     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000038     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000038     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000039     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000039     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000039     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000039     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000040     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000040     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000040     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000040     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000041     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000041     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000041     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000041     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000042     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000042     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000042     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000042     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000043     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000043     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000043     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000043     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000044     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000044     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000044     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000044     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000045     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000045     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000045     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000045     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000046     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000046     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000046     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000046     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000047     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000047     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000047     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000047     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000048     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000048     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000048     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000048     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000049     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000049     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000049     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000049     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000050     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000050     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000050     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000050     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000051     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000051     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000051     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000051     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000052     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000052     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000052     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000052     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000053     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000053     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000053     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000053     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000054     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000054     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000054     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000054     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000055     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000055     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000055     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000055     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000056     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000056     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000056     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000056     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000057     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000057     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000057     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000057     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000058     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000058     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000058     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000058     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000059     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000059     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000059     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000059     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000060     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000060     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000060     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000060     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000061     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000061     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000061     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000061     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT A0000062     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000062     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000062     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000062     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000063     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000063     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000063     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000063     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000064     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000064     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000064     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000064     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000065     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000065     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000065     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000065     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000066     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000066     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000066     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000066     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000067     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000067     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000067     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000067     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000068     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000068     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000068     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000068     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000069     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000069     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000069     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000069     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000070     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000070     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000070     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000070     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000071     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000071     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000071     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000071     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000072     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000072     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000072     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000072     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000073     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000073     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000073     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000073     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000074     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000074     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000074     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000074     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000075     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000075     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000075     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000075     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000076     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000076     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000076     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000076     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000077     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000077     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000077     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000077     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000078     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000078     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000078     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000078     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000079     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000079     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000079     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000079     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000080     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000080     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000080     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000080     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000081     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000081     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000081     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000081     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000082     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000082     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000082     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000082     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000083     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000083     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000083     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000083     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000084     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000084     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000084     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000084     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000085     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000085     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000085     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
```

```
   EMISFACT A0000085     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000086     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000086     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000086     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000086     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000087     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000087     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000087     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000087     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000088     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000088     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000088     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000088     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000089     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000089     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000089     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000089     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000090     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000090     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000090     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000090     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000091     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000091     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000091     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000091     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000092     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000092     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000092     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000092     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000093     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000093     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000093     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000093     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000094     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000094     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000094     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000094     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000095     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000095     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000095     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000095     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000096     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000096     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000096     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000096     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000097     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000097     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000097     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000097     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000098     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000098     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000098     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000098     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000099     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000099     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000099     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000099     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000100     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000100     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000100     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000100     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000101     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000101     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000101     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000101     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000102     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000102     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000102     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000102     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000103     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000103     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000103     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000103     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000104     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000104     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000104     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000104     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000105     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000105     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000105     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000105     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000106     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000106     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000106     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000106     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000107     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000107     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000107     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000107     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Night"
   EMISFACT A0000108     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000108     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000108     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
```

```
EMISFACT A0000108     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000109     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000109     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000109     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000109     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000110     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000110     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000110     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000110     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000111     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000111     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000111     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000111     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000112     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000112     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000112     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000112     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000113     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000113     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000113     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000113     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000114     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000114     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000114     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000114     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000115     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000115     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000115     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000115     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000116     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000116     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000116     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000116     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000117     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000117     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000117     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000117     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000118     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000118     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000118     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000118     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000119     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000119     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000119     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000119     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000120     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000120     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000120     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000120     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000121     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000121     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000121     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000121     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000122     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000122     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000122     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000122     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000123     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000123     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000123     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000123     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000124     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000124     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000124     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000124     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000125     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000125     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000125     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000125     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000126     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000126     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000126     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000126     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000127     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000127     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000127     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000127     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000128     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000128     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000128     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000128     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000129     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000129     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000129     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000129     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000130     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000130     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000130     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000130     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000131     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000131     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000131     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000131     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000132     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000132     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
```

```
EMISFACT A0000132     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000132     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000133     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000133     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000133     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000133     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000134     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000134     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000134     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000134     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000135     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000135     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000135     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000135     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000136     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000136     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000136     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000136     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000137     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000137     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000137     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000137     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000138     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000138     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000138     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000138     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000139     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000139     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000139     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000139     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000140     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000140     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000140     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000140     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000141     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000141     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000141     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000141     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000142     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000142     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000142     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000142     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000143     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000143     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000143     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000143     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000144     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000144     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000144     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000144     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000145     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000145     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000145     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000145     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000146     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000146     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000146     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000146     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000147     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000147     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000147     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000147     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000148     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000148     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000148     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000148     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000149     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000149     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000149     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000149     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000150     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000150     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000150     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000150     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000151     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000151     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000151     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000151     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000152     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000152     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000152     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000152     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000153     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000153     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000153     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000153     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000154     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000154     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000154     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000154     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000155     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000155     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000155     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000155     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000156     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
```

```
EMISFACT A0000156     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000156     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000156     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000157     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000157     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000157     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000157     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000158     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000158     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000158     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000158     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000159     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000159     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000159     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000159     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000160     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000160     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000160     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000160     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000161     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000161     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000161     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000161     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000162     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000162     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000162     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000162     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000163     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000163     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000163     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000163     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000164     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000164     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000164     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000164     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000165     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000165     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000165     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000165     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000166     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000166     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000166     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000166     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000167     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000167     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000167     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000167     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000168     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000168     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000168     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000168     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000169     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000169     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000169     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000169     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000170     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000170     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000170     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000170     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000171     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000171     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000171     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000171     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000172     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000172     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000172     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000172     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000173     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000173     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000173     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000173     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000174     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000174     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000174     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000174     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000175     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000175     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000175     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000175     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000176     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000176     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000176     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000176     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000177     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000177     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000177     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000177     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000178     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000178     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000178     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000178     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000179     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000179     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000179     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000179     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
```

```
EMISFACT A0000180     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000180     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000180     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000180     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000181     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000181     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000181     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000181     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000182     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000182     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000182     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000182     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000183     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000183     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000183     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000183     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000184     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000184     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000184     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000184     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000185     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000185     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000185     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000185     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000186     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000186     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000186     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000186     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000187     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000187     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000187     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000187     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000188     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000188     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000188     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000188     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000189     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000189     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000189     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000189     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000190     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000190     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000190     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000190     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000191     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000191     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000191     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000191     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000192     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000192     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000192     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000192     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000193     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000193     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000193     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000193     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000194     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000194     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000194     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000194     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000195     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000195     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000195     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000195     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000196     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000196     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000196     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000196     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000197     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000197     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000197     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000197     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000198     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000198     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000198     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000198     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000199     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000199     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000199     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000199     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000200     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000200     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000200     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000200     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000201     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000201     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000201     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000201     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000202     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000202     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000202     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000202     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000203     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000203     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000203     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
```

```
   EMISFACT A0000203     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000204     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000204     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000204     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000204     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000205     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000205     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000205     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000205     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000206     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000206     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000206     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000206     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000207     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000207     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000207     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000207     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000208     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000208     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000208     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000208     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000209     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000209     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000209     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000209     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000210     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000210     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000210     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000210     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000211     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000211     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000211     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000211     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000212     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000212     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000212     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000212     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000213     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000213     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000213     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000213     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000214     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000214     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000214     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000214     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
**********************************
** AERMOD Receptor Pathway
**********************************
**
**
RE STARTING
   INCLUDED Tracy-Lathrop_S2_operation_2040_DPM.rou
RE FINISHED
**
**********************************
** AERMOD Meteorology Pathway
**********************************
**
**
ME STARTING
   SURFFILE ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Modesto_23258\Modesto_12-16.SFC
   PROFFILE ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Modesto_23258\Modesto_12-16.PFL
   SURFDATA 23258 2012
   UAIRDATA 23230 2012 OAKLAND/WSO_AP
   PROFBASE 30.0 METERS
ME FINISHED
**
**********************************
** AERMOD Output Pathway
**********************************
**
**
OU STARTING
   PLOTFILE ANNUAL ALL TRACY-LATHROP_S2_OPERATION_2040_DPM.AD\Tracy-Lathrop_S2_operation_2040_annual_DPM.PLT 31
   SUMMFILE Tracy-Lathrop_S2_operation_2040_DPM.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
```

```
ME W186    1411       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50

**********************************
*** SETUP Finishes Successfully ***
**********************************
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

**Model Is Setup For Calculation of Average CONCentration Values.

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for   214 Source(s),
  for Total of   1 Urban Area(s):
  Urban Population =   538000.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Full Conversion Assumed for NO2.
        6. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:
        FASTAREA - Use hybrid approach to optimize AREA sources;
                   also applies to LINE sources (formerly TOXICS option)
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 214 Source(s);   1 Source Group(s); and   1466 Receptor(s)

               with: 0 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 0 VOLUME source(s)
                and: 214 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with   0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   30.00 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   3.8 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: Tracy-Lathrop_S2_operation_2040_DPM.err
**File for Summary of Results: Tracy-Lathrop_S2_operation_2040_DPM.sum

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000001	0	0.17156E-07	648414.8	4183385.5	8.2	5.87	86.38	9.10	-20.22	1.37	YES	HROFDY
A0000002	0	0.17156E-07	648495.9	4183415.3	8.2	5.87	86.38	9.10	-20.22	1.37	YES	HROFDY
A0000003	0	0.17156E-07	648576.9	4183445.2	8.3	5.87	86.38	9.10	-20.22	1.37	YES	HROFDY
A0000004	0	0.17156E-07	648658.0	4183475.0	8.7	5.87	86.38	9.10	-20.22	1.37	YES	HROFDY
A0000005	0	0.17156E-07	648739.0	4183504.9	9.2	5.87	86.38	9.10	-20.22	1.37	YES	HROFDY
A0000006	0	0.17156E-07	648820.1	4183534.8	9.0	5.87	86.38	9.10	-20.22	1.37	YES	HROFDY
A0000007	0	0.17156E-07	648901.1	4183564.6	10.0	5.87	86.38	9.10	-20.22	1.37	YES	HROFDY
A0000008	0	0.17156E-07	648982.2	4183594.5	1.4	5.87	86.38	9.10	-20.22	1.37	YES	HROFDY
A0000009	0	0.17156E-07	649063.2	4183624.3	9.1	5.87	83.49	9.10	-19.92	1.37	YES	HROFDY
A0000010	0	0.17156E-07	649141.7	4183652.8	8.4	5.87	83.49	9.10	-19.92	1.37	YES	HROFDY
A0000011	0	0.17156E-07	649220.2	4183681.2	8.5	5.87	83.49	9.10	-19.92	1.37	YES	HROFDY
A0000012	0	0.17156E-07	649298.7	4183709.7	8.9	5.87	83.49	9.10	-19.92	1.37	YES	HROFDY
A0000013	0	0.17156E-07	649377.2	4183738.1	7.2	5.87	83.49	9.10	-19.92	1.37	YES	HROFDY
A0000014	0	0.17156E-07	649455.7	4183766.5	8.3	5.87	83.49	9.10	-19.92	1.37	YES	HROFDY
A0000015	0	0.17156E-07	649534.2	4183795.0	9.2	5.87	83.49	9.10	-19.92	1.37	YES	HROFDY
A0000016	0	0.17156E-07	649612.7	4183823.4	8.1	5.87	83.49	9.10	-19.92	1.37	YES	HROFDY
A0000017	0	0.17156E-07	649691.2	4183851.9	7.9	5.87	83.49	9.10	-19.92	1.37	YES	HROFDY
A0000018	0	0.17156E-07	649769.7	4183880.3	6.8	5.87	83.49	9.10	-19.92	1.37	YES	HROFDY
A0000019	0	0.17156E-07	649848.1	4183908.7	6.6	5.87	80.35	9.10	-19.29	1.37	YES	HROFDY
A0000020	0	0.17156E-07	649924.0	4183935.3	6.3	5.87	80.35	9.10	-19.29	1.37	YES	HROFDY
A0000021	0	0.17156E-07	649999.8	4183961.8	7.1	5.87	80.35	9.10	-19.29	1.37	YES	HROFDY
A0000022	0	0.17156E-07	650075.6	4183988.4	6.5	5.87	80.35	9.10	-19.29	1.37	YES	HROFDY
A0000023	0	0.17156E-07	650151.5	4184014.9	7.7	5.87	80.35	9.10	-19.29	1.37	YES	HROFDY
A0000024	0	0.17156E-07	650227.3	4184041.5	7.8	5.87	80.35	9.10	-19.29	1.37	YES	HROFDY
A0000025	0	0.17156E-07	650303.2	4184068.0	7.5	5.87	87.08	9.10	-19.86	1.37	YES	HROFDY
A0000026	0	0.17156E-07	650385.1	4184097.6	6.8	5.87	87.08	9.10	-19.86	1.37	YES	HROFDY
A0000027	0	0.17156E-07	650467.0	4184127.2	6.4	5.87	87.08	9.10	-19.86	1.37	YES	HROFDY
A0000028	0	0.17156E-07	650548.9	4184156.7	6.6	5.87	87.08	9.10	-19.86	1.37	YES	HROFDY
A0000029	0	0.17156E-07	650630.8	4184186.3	6.6	5.87	87.08	9.10	-19.86	1.37	YES	HROFDY
A0000030	0	0.17156E-07	650713.0	4184216.0	6.1	5.87	71.33	9.10	-23.50	1.37	YES	HROFDY
A0000031	0	0.17156E-07	650778.4	4184244.4	6.0	5.87	71.33	9.10	-23.50	1.37	YES	HROFDY
A0000032	0	0.17156E-07	650843.8	4184272.9	6.4	5.87	71.33	9.10	-23.50	1.37	YES	HROFDY
A0000033	0	0.17156E-07	650909.2	4184301.3	6.9	5.87	71.33	9.10	-23.50	1.37	YES	HROFDY
A0000034	0	0.17156E-07	650975.7	4184330.4	7.1	5.87	68.85	9.10	-38.29	1.37	YES	HROFDY
A0000035	0	0.17156E-07	651029.7	4184373.0	7.0	5.87	68.85	9.10	-38.29	1.37	YES	HROFDY
A0000036	0	0.17156E-07	651083.7	4184415.7	6.4	5.87	68.85	9.10	-38.29	1.37	YES	HROFDY
A0000037	0	0.17156E-07	651137.8	4184458.4	5.8	5.87	68.85	9.10	-38.29	1.37	YES	HROFDY
A0000038	0	0.17156E-07	651191.9	4184501.1	6.3	5.87	74.65	9.10	-40.37	1.37	YES	HROFDY
A0000039	0	0.17156E-07	651248.8	4184549.5	5.8	5.87	74.65	9.10	-40.37	1.37	YES	HROFDY
A0000040	0	0.17156E-07	651305.7	4184597.8	5.9	5.87	74.65	9.10	-40.37	1.37	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000041	0	0.17156E-07	651362.6	4184646.2	7.7	5.87	74.65	9.10	-40.37	1.37	YES	HROFDY
A0000042	0	0.17156E-07	651420.2	4184695.4	6.9	5.87	69.43	9.10	-55.01	1.37	YES	HROFDY
A0000043	0	0.17156E-07	651460.1	4184752.2	6.2	5.87	69.43	9.10	-55.01	1.37	YES	HROFDY
A0000044	0	0.17156E-07	651499.9	4184809.1	5.5	5.87	69.43	9.10	-55.01	1.37	YES	HROFDY
A0000045	0	0.17156E-07	651539.7	4184866.0	5.5	5.87	69.43	9.10	-55.01	1.37	YES	HROFDY
A0000046	0	0.17156E-07	651579.8	4184923.4	5.8	5.87	89.90	9.10	-62.35	1.37	YES	HROFDY
A0000047	0	0.17156E-07	651621.5	4185003.0	6.5	5.87	89.90	9.10	-62.35	1.37	YES	HROFDY
A0000048	0	0.17156E-07	651663.2	4185082.7	6.6	5.87	89.90	9.10	-62.35	1.37	YES	HROFDY
A0000049	0	0.17156E-07	651705.2	4185162.9	7.5	5.87	78.25	9.10	-70.91	1.37	YES	HROFDY
A0000050	0	0.17156E-07	651730.8	4185236.9	7.3	5.87	78.25	9.10	-70.91	1.37	YES	HROFDY
A0000051	0	0.17156E-07	651756.4	4185310.8	7.4	5.87	78.25	9.10	-70.91	1.37	YES	HROFDY
A0000052	0	0.17156E-07	651782.0	4185384.7	8.0	5.87	78.25	9.10	-70.91	1.37	YES	HROFDY
A0000053	0	0.17156E-07	651807.8	4185459.4	6.7	5.87	69.20	9.10	-80.54	1.37	YES	HROFDY
A0000054	0	0.17156E-07	651819.2	4185527.7	7.5	5.87	69.20	9.10	-80.54	1.37	YES	HROFDY
A0000055	0	0.17156E-07	651830.6	4185596.2	7.2	5.87	68.68	9.10	-83.66	1.37	YES	HROFDY
A0000056	0	0.17156E-07	651838.2	4185664.4	6.1	5.87	68.68	9.10	-83.66	1.37	YES	HROFDY
A0000057	0	0.17156E-07	651845.7	4185732.7	5.8	5.87	68.68	9.10	-83.66	1.37	YES	HROFDY
A0000058	0	0.17156E-07	651853.4	4185801.5	5.6	5.87	85.33	9.10	-90.95	1.37	YES	HROFDY
A0000059	0	0.17156E-07	651851.9	4185886.9	5.7	5.87	85.33	9.10	-90.95	1.37	YES	HROFDY
A0000060	0	0.17156E-07	651850.5	4185972.2	6.1	5.87	85.33	9.10	-90.95	1.37	YES	HROFDY
A0000061	0	0.17156E-07	651849.1	4186057.5	6.4	5.87	85.33	9.10	-90.95	1.37	YES	HROFDY
A0000062	0	0.17156E-07	651847.7	4186142.8	6.5	5.87	85.33	9.10	-90.95	1.37	YES	HROFDY
A0000063	0	0.17156E-07	651846.2	4186228.1	6.6	5.87	85.33	9.10	-90.95	1.37	YES	HROFDY
A0000064	0	0.17156E-07	651844.8	4186313.5	6.8	5.87	85.33	9.10	-90.95	1.37	YES	HROFDY
A0000065	0	0.17156E-07	651843.4	4186398.8	6.8	5.87	85.33	9.10	-90.95	1.37	YES	HROFDY
A0000066	0	0.17156E-07	651842.0	4186484.0	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000067	0	0.17156E-07	651841.5	4186573.6	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000068	0	0.17156E-07	651841.0	4186663.1	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000069	0	0.17156E-07	651840.5	4186752.6	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000070	0	0.17156E-07	651840.0	4186842.1	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000071	0	0.17156E-07	651839.5	4186931.7	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000072	0	0.17156E-07	651839.0	4187021.2	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000073	0	0.17156E-07	651838.5	4187110.7	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000074	0	0.17156E-07	651838.0	4187200.2	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000075	0	0.17156E-07	651837.5	4187289.8	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000076	0	0.17156E-07	651837.0	4187379.3	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000077	0	0.17156E-07	651836.5	4187468.8	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000078	0	0.17156E-07	651836.0	4187558.3	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000079	0	0.17156E-07	651835.5	4187647.9	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000080	0	0.17156E-07	651835.1	4187737.4	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000081	0	0.17156E-07	651834.6	4187826.9	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000082	0	0.17156E-07	651834.1	4187916.4	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000083	0	0.17156E-07	651833.6	4188006.0	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000084	0	0.17156E-07	651833.1	4188095.5	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000085	0	0.17156E-07	651832.6	4188185.0	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000086	0	0.17156E-07	651832.1	4188274.5	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000087	0	0.17156E-07	651831.6	4188364.1	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000088	0	0.17156E-07	651831.1	4188453.6	6.8	5.87	89.53	9.10	-90.32	1.37	YES	HROFDY
A0000089	0	0.17156E-07	651830.6	4188543.2	6.8	5.87	90.43	9.10	-91.14	1.37	YES	HROFDY
A0000090	0	0.17156E-07	651828.8	4188633.6	6.8	5.87	90.43	9.10	-91.14	1.37	YES	HROFDY
A0000091	0	0.17156E-07	651827.0	4188724.0	6.8	5.87	90.43	9.10	-91.14	1.37	YES	HROFDY
A0000092	0	0.17156E-07	651825.2	4188814.4	6.8	5.87	90.43	9.10	-91.14	1.37	YES	HROFDY
A0000093	0	0.17156E-07	651823.4	4188904.8	6.8	5.87	90.43	9.10	-91.14	1.37	YES	HROFDY
A0000094	0	0.17156E-07	651821.6	4188995.2	6.8	5.87	90.43	9.10	-91.14	1.37	YES	HROFDY
A0000095	0	0.17156E-07	651819.8	4189085.6	6.8	5.87	90.43	9.10	-91.14	1.37	YES	HROFDY
A0000096	0	0.17156E-07	651818.0	4189176.1	6.8	5.87	90.43	9.10	-91.14	1.37	YES	HROFDY
A0000097	0	0.17156E-07	651816.2	4189266.5	6.8	5.87	90.43	9.10	-91.14	1.37	YES	HROFDY
A0000098	0	0.17156E-07	651814.4	4189356.9	6.8	5.87	90.43	9.10	-91.14	1.37	YES	HROFDY
A0000099	0	0.17156E-07	651812.6	4189447.3	6.8	5.87	90.43	9.10	-91.14	1.37	YES	HROFDY
A0000100	0	0.17156E-07	651810.8	4189537.7	6.8	5.87	90.43	9.10	-91.14	1.37	YES	HROFDY
A0000101	0	0.17156E-07	651809.0	4189628.1	6.8	5.87	90.43	9.10	-91.14	1.37	YES	HROFDY
A0000102	0	0.17156E-07	651807.2	4189718.5	6.8	5.87	90.43	9.10	-91.14	1.37	YES	HROFDY
A0000103	0	0.17156E-07	651805.5	4189808.9	6.8	5.87	90.43	9.10	-91.14	1.37	YES	HROFDY
A0000104	0	0.17156E-07	651803.7	4189899.3	6.8	5.87	90.43	9.10	-91.14	1.37	YES	HROFDY
A0000105	0	0.17156E-07	651801.9	4189989.7	6.8	5.87	90.43	9.10	-91.14	1.37	YES	HROFDY
A0000106	0	0.17156E-07	651800.1	4190080.1	6.8	5.87	90.43	9.10	-91.14	1.37	YES	HROFDY
A0000107	0	0.17156E-07	651798.3	4190170.6	6.8	5.87	90.43	9.10	-91.14	1.37	YES	HROFDY
A0000108	0	0.17156E-07	648414.8	4183385.5	8.2	10.98	86.38	9.10	-20.22	2.55	YES	HROFDY
A0000109	0	0.17156E-07	648495.9	4183415.3	8.2	10.98	86.38	9.10	-20.22	2.55	YES	HROFDY
A0000110	0	0.17156E-07	648576.9	4183445.2	8.3	10.98	86.38	9.10	-20.22	2.55	YES	HROFDY
A0000111	0	0.17156E-07	648658.0	4183475.0	8.7	10.98	86.38	9.10	-20.22	2.55	YES	HROFDY
A0000112	0	0.17156E-07	648739.0	4183504.9	9.2	10.98	86.38	9.10	-20.22	2.55	YES	HROFDY
A0000113	0	0.17156E-07	648820.1	4183534.8	9.0	10.98	86.38	9.10	-20.22	2.55	YES	HROFDY
A0000114	0	0.17156E-07	648901.1	4183564.6	10.0	10.98	86.38	9.10	-20.22	2.55	YES	HROFDY
A0000115	0	0.17156E-07	648982.2	4183594.5	1.4	10.98	86.38	9.10	-20.22	2.55	YES	HROFDY
A0000116	0	0.17156E-07	649063.2	4183624.3	9.1	10.98	83.49	9.10	-19.92	2.55	YES	HROFDY
A0000117	0	0.17156E-07	649141.7	4183652.8	8.4	10.98	83.49	9.10	-19.92	2.55	YES	HROFDY
A0000118	0	0.17156E-07	649220.2	4183681.2	8.5	10.98	83.49	9.10	-19.92	2.55	YES	HROFDY
A0000119	0	0.17156E-07	649298.7	4183709.7	8.9	10.98	83.49	9.10	-19.92	2.55	YES	HROFDY
A0000120	0	0.17156E-07	649377.2	4183738.1	7.2	10.98	83.49	9.10	-19.92	2.55	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000121	0	0.17156E-07	649455.7	4183766.5	8.3	10.98	83.49	9.10	-19.92	2.55	YES	HROFDY
A0000122	0	0.17156E-07	649534.2	4183795.0	9.2	10.98	83.49	9.10	-19.92	2.55	YES	HROFDY
A0000123	0	0.17156E-07	649612.7	4183823.4	8.1	10.98	83.49	9.10	-19.92	2.55	YES	HROFDY
A0000124	0	0.17156E-07	649691.2	4183851.9	7.9	10.98	83.49	9.10	-19.92	2.55	YES	HROFDY
A0000125	0	0.17156E-07	649769.7	4183880.3	6.8	10.98	83.49	9.10	-19.92	2.55	YES	HROFDY
A0000126	0	0.17156E-07	649848.1	4183908.7	6.6	10.98	80.35	9.10	-19.29	2.55	YES	HROFDY
A0000127	0	0.17156E-07	649924.0	4183935.3	6.3	10.98	80.35	9.10	-19.29	2.55	YES	HROFDY
A0000128	0	0.17156E-07	649999.8	4183961.8	7.1	10.98	80.35	9.10	-19.29	2.55	YES	HROFDY
A0000129	0	0.17156E-07	650075.6	4183988.4	6.5	10.98	80.35	9.10	-19.29	2.55	YES	HROFDY
A0000130	0	0.17156E-07	650151.5	4184014.9	7.7	10.98	80.35	9.10	-19.29	2.55	YES	HROFDY
A0000131	0	0.17156E-07	650227.3	4184041.5	7.8	10.98	80.35	9.10	-19.29	2.55	YES	HROFDY
A0000132	0	0.17156E-07	650303.2	4184068.0	7.5	10.98	87.08	9.10	-19.86	2.55	YES	HROFDY
A0000133	0	0.17156E-07	650385.1	4184097.6	6.8	10.98	87.08	9.10	-19.86	2.55	YES	HROFDY
A0000134	0	0.17156E-07	650467.0	4184127.2	6.4	10.98	87.08	9.10	-19.86	2.55	YES	HROFDY
A0000135	0	0.17156E-07	650548.9	4184156.7	6.6	10.98	87.08	9.10	-19.86	2.55	YES	HROFDY
A0000136	0	0.17156E-07	650630.8	4184186.3	6.6	10.98	87.08	9.10	-19.86	2.55	YES	HROFDY
A0000137	0	0.17156E-07	650713.0	4184216.0	6.1	10.98	71.33	9.10	-23.50	2.55	YES	HROFDY
A0000138	0	0.17156E-07	650778.4	4184244.4	6.0	10.98	71.33	9.10	-23.50	2.55	YES	HROFDY
A0000139	0	0.17156E-07	650843.8	4184272.9	6.4	10.98	71.33	9.10	-23.50	2.55	YES	HROFDY
A0000140	0	0.17156E-07	650909.2	4184301.3	6.9	10.98	71.33	9.10	-23.50	2.55	YES	HROFDY
A0000141	0	0.17156E-07	650975.7	4184330.4	7.1	10.98	68.85	9.10	-38.29	2.55	YES	HROFDY
A0000142	0	0.17156E-07	651029.7	4184373.0	7.0	10.98	68.85	9.10	-38.29	2.55	YES	HROFDY
A0000143	0	0.17156E-07	651083.7	4184415.7	6.4	10.98	68.85	9.10	-38.29	2.55	YES	HROFDY
A0000144	0	0.17156E-07	651137.8	4184458.4	5.8	10.98	68.85	9.10	-38.29	2.55	YES	HROFDY
A0000145	0	0.17156E-07	651191.9	4184501.1	6.3	10.98	74.65	9.10	-40.37	2.55	YES	HROFDY
A0000146	0	0.17156E-07	651248.8	4184549.5	5.8	10.98	74.65	9.10	-40.37	2.55	YES	HROFDY
A0000147	0	0.17156E-07	651305.7	4184597.8	5.9	10.98	74.65	9.10	-40.37	2.55	YES	HROFDY
A0000148	0	0.17156E-07	651362.6	4184646.2	7.7	10.98	74.65	9.10	-40.37	2.55	YES	HROFDY
A0000149	0	0.17156E-07	651420.2	4184695.4	6.9	10.98	69.43	9.10	-55.01	2.55	YES	HROFDY
A0000150	0	0.17156E-07	651460.1	4184752.2	6.2	10.98	69.43	9.10	-55.01	2.55	YES	HROFDY
A0000151	0	0.17156E-07	651499.9	4184809.1	5.5	10.98	69.43	9.10	-55.01	2.55	YES	HROFDY
A0000152	0	0.17156E-07	651539.7	4184866.0	5.5	10.98	69.43	9.10	-55.01	2.55	YES	HROFDY
A0000153	0	0.17156E-07	651579.8	4184923.4	5.8	10.98	89.90	9.10	-62.35	2.55	YES	HROFDY
A0000154	0	0.17156E-07	651621.5	4185003.0	6.5	10.98	89.90	9.10	-62.35	2.55	YES	HROFDY
A0000155	0	0.17156E-07	651663.2	4185082.7	6.6	10.98	89.90	9.10	-62.35	2.55	YES	HROFDY
A0000156	0	0.17156E-07	651705.2	4185162.9	7.5	10.98	78.25	9.10	-70.91	2.55	YES	HROFDY
A0000157	0	0.17156E-07	651730.8	4185236.9	7.3	10.98	78.25	9.10	-70.91	2.55	YES	HROFDY
A0000158	0	0.17156E-07	651756.4	4185310.8	7.4	10.98	78.25	9.10	-70.91	2.55	YES	HROFDY
A0000159	0	0.17156E-07	651782.0	4185384.7	8.0	10.98	78.25	9.10	-70.91	2.55	YES	HROFDY
A0000160	0	0.17156E-07	651807.8	4185459.4	6.7	10.98	69.20	9.10	-80.54	2.55	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000161	0	0.17156E-07	651819.2	4185527.7	7.5	10.98	69.20	9.10	-80.54	2.55	YES	HROFDY
A0000162	0	0.17156E-07	651830.6	4185596.2	7.2	10.98	68.68	9.10	-83.66	2.55	YES	HROFDY
A0000163	0	0.17156E-07	651838.2	4185664.4	6.1	10.98	68.68	9.10	-83.66	2.55	YES	HROFDY
A0000164	0	0.17156E-07	651845.7	4185732.7	5.8	10.98	68.68	9.10	-83.66	2.55	YES	HROFDY
A0000165	0	0.17156E-07	651853.4	4185801.5	5.6	10.98	85.33	9.10	-90.95	2.55	YES	HROFDY
A0000166	0	0.17156E-07	651851.9	4185886.9	5.7	10.98	85.33	9.10	-90.95	2.55	YES	HROFDY
A0000167	0	0.17156E-07	651850.5	4185972.2	6.1	10.98	85.33	9.10	-90.95	2.55	YES	HROFDY
A0000168	0	0.17156E-07	651849.1	4186057.5	6.4	10.98	85.33	9.10	-90.95	2.55	YES	HROFDY
A0000169	0	0.17156E-07	651847.7	4186142.8	6.5	10.98	85.33	9.10	-90.95	2.55	YES	HROFDY
A0000170	0	0.17156E-07	651846.2	4186228.1	6.6	10.98	85.33	9.10	-90.95	2.55	YES	HROFDY
A0000171	0	0.17156E-07	651844.8	4186313.5	6.8	10.98	85.33	9.10	-90.95	2.55	YES	HROFDY
A0000172	0	0.17156E-07	651843.4	4186398.8	6.8	10.98	85.33	9.10	-90.95	2.55	YES	HROFDY
A0000173	0	0.17156E-07	651842.0	4186484.0	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000174	0	0.17156E-07	651841.5	4186573.6	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000175	0	0.17156E-07	651841.0	4186663.1	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000176	0	0.17156E-07	651840.5	4186752.6	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000177	0	0.17156E-07	651840.0	4186842.1	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000178	0	0.17156E-07	651839.5	4186931.7	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000179	0	0.17156E-07	651839.0	4187021.2	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000180	0	0.17156E-07	651838.5	4187110.7	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000181	0	0.17156E-07	651838.0	4187200.2	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000182	0	0.17156E-07	651837.5	4187289.8	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000183	0	0.17156E-07	651837.0	4187379.3	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000184	0	0.17156E-07	651836.5	4187468.8	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000185	0	0.17156E-07	651836.0	4187558.3	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000186	0	0.17156E-07	651835.5	4187647.9	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000187	0	0.17156E-07	651835.1	4187737.4	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000188	0	0.17156E-07	651834.6	4187826.9	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000189	0	0.17156E-07	651834.1	4187916.4	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000190	0	0.17156E-07	651833.6	4188006.0	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000191	0	0.17156E-07	651833.1	4188095.5	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000192	0	0.17156E-07	651832.6	4188185.0	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000193	0	0.17156E-07	651832.1	4188274.5	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000194	0	0.17156E-07	651831.6	4188364.1	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000195	0	0.17156E-07	651831.1	4188453.6	6.8	10.98	89.53	9.10	-90.32	2.55	YES	HROFDY
A0000196	0	0.17156E-07	651830.6	4188543.2	6.8	10.98	90.43	9.10	-91.14	2.55	YES	HROFDY
A0000197	0	0.17156E-07	651828.8	4188633.6	6.8	10.98	90.43	9.10	-91.14	2.55	YES	HROFDY
A0000198	0	0.17156E-07	651827.0	4188724.0	6.8	10.98	90.43	9.10	-91.14	2.55	YES	HROFDY
A0000199	0	0.17156E-07	651825.2	4188814.4	6.8	10.98	90.43	9.10	-91.14	2.55	YES	HROFDY
A0000200	0	0.17156E-07	651823.4	4188904.8	6.8	10.98	90.43	9.10	-91.14	2.55	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000201	0	0.17156E-07	651821.6	4188995.2	6.8	10.98	90.43	9.10	-91.14	2.55	YES	HROFDY
A0000202	0	0.17156E-07	651819.8	4189085.6	6.8	10.98	90.43	9.10	-91.14	2.55	YES	HROFDY
A0000203	0	0.17156E-07	651818.0	4189176.1	6.8	10.98	90.43	9.10	-91.14	2.55	YES	HROFDY
A0000204	0	0.17156E-07	651816.2	4189266.5	6.8	10.98	90.43	9.10	-91.14	2.55	YES	HROFDY
A0000205	0	0.17156E-07	651814.4	4189356.9	6.8	10.98	90.43	9.10	-91.14	2.55	YES	HROFDY
A0000206	0	0.17156E-07	651812.6	4189447.3	6.8	10.98	90.43	9.10	-91.14	2.55	YES	HROFDY
A0000207	0	0.17156E-07	651810.8	4189537.7	6.8	10.98	90.43	9.10	-91.14	2.55	YES	HROFDY
A0000208	0	0.17156E-07	651809.0	4189628.1	6.8	10.98	90.43	9.10	-91.14	2.55	YES	HROFDY
A0000209	0	0.17156E-07	651807.2	4189718.5	6.8	10.98	90.43	9.10	-91.14	2.55	YES	HROFDY
A0000210	0	0.17156E-07	651805.5	4189808.9	6.8	10.98	90.43	9.10	-91.14	2.55	YES	HROFDY
A0000211	0	0.17156E-07	651803.7	4189899.3	6.8	10.98	90.43	9.10	-91.14	2.55	YES	HROFDY
A0000212	0	0.17156E-07	651801.9	4189989.7	6.8	10.98	90.43	9.10	-91.14	2.55	YES	HROFDY
A0000213	0	0.17156E-07	651800.1	4190080.1	6.8	10.98	90.43	9.10	-91.14	2.55	YES	HROFDY
A0000214	0	0.17156E-07	651798.3	4190170.6	6.8	10.98	90.43	9.10	-91.14	2.55	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	A0000001 , A0000002 , A0000003 , A0000004 , A0000005 , A0000006 , A0000007 , A0000008 ,
	A0000009 , A0000010 , A0000011 , A0000012 , A0000013 , A0000014 , A0000015 , A0000016 ,
	A0000017 , A0000018 , A0000019 , A0000020 , A0000021 , A0000022 , A0000023 , A0000024 ,
	A0000025 , A0000026 , A0000027 , A0000028 , A0000029 , A0000030 , A0000031 , A0000032 ,
	A0000033 , A0000034 , A0000035 , A0000036 , A0000037 , A0000038 , A0000039 , A0000040 ,
	A0000041 , A0000042 , A0000043 , A0000044 , A0000045 , A0000046 , A0000047 , A0000048 ,
	A0000049 , A0000050 , A0000051 , A0000052 , A0000053 , A0000054 , A0000055 , A0000056 ,
	A0000057 , A0000058 , A0000059 , A0000060 , A0000061 , A0000062 , A0000063 , A0000064 ,
	A0000065 , A0000066 , A0000067 , A0000068 , A0000069 , A0000070 , A0000071 , A0000072 ,
	A0000073 , A0000074 , A0000075 , A0000076 , A0000077 , A0000078 , A0000079 , A0000080 ,
	A0000081 , A0000082 , A0000083 , A0000084 , A0000085 , A0000086 , A0000087 , A0000088 ,
	A0000089 , A0000090 , A0000091 , A0000092 , A0000093 , A0000094 , A0000095 , A0000096 ,
	A0000097 , A0000098 , A0000099 , A0000100 , A0000101 , A0000102 , A0000103 , A0000104 ,
	A0000105 , A0000106 , A0000107 , A0000108 , A0000109 , A0000110 , A0000111 , A0000112 ,
	A0000113 , A0000114 , A0000115 , A0000116 , A0000117 , A0000118 , A0000119 , A0000120 ,
	A0000121 , A0000122 , A0000123 , A0000124 , A0000125 , A0000126 , A0000127 , A0000128 ,
	A0000129 , A0000130 , A0000131 , A0000132 , A0000133 , A0000134 , A0000135 , A0000136 ,
	A0000137 , A0000138 , A0000139 , A0000140 , A0000141 , A0000142 , A0000143 , A0000144 ,
	A0000145 , A0000146 , A0000147 , A0000148 , A0000149 , A0000150 , A0000151 , A0000152 ,
	A0000153 , A0000154 , A0000155 , A0000156 , A0000157 , A0000158 , A0000159 , A0000160 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	A0000161 , A0000162 , A0000163 , A0000164 , A0000165 , A0000166 , A0000167 , A0000168 ,
	A0000169 , A0000170 , A0000171 , A0000172 , A0000173 , A0000174 , A0000175 , A0000176 ,
	A0000177 , A0000178 , A0000179 , A0000180 , A0000181 , A0000182 , A0000183 , A0000184 ,
	A0000185 , A0000186 , A0000187 , A0000188 , A0000189 , A0000190 , A0000191 , A0000192 ,
	A0000193 , A0000194 , A0000195 , A0000196 , A0000197 , A0000198 , A0000199 , A0000200 ,
	A0000201 , A0000202 , A0000203 , A0000204 , A0000205 , A0000206 , A0000207 , A0000208 ,
	A0000209 , A0000210 , A0000211 , A0000212 , A0000213 , A0000214 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	538000.	A0000001 , A0000002 , A0000003 , A0000004 , A0000005 , A0000006 , A0000007 , A0000008 ,
		A0000009 , A0000010 , A0000011 , A0000012 , A0000013 , A0000014 , A0000015 , A0000016 ,
		A0000017 , A0000018 , A0000019 , A0000020 , A0000021 , A0000022 , A0000023 , A0000024 ,
		A0000025 , A0000026 , A0000027 , A0000028 , A0000029 , A0000030 , A0000031 , A0000032 ,
		A0000033 , A0000034 , A0000035 , A0000036 , A0000037 , A0000038 , A0000039 , A0000040 ,
		A0000041 , A0000042 , A0000043 , A0000044 , A0000045 , A0000046 , A0000047 , A0000048 ,
		A0000049 , A0000050 , A0000051 , A0000052 , A0000053 , A0000054 , A0000055 , A0000056 ,
		A0000057 , A0000058 , A0000059 , A0000060 , A0000061 , A0000062 , A0000063 , A0000064 ,
		A0000065 , A0000066 , A0000067 , A0000068 , A0000069 , A0000070 , A0000071 , A0000072 ,
		A0000073 , A0000074 , A0000075 , A0000076 , A0000077 , A0000078 , A0000079 , A0000080 ,
		A0000081 , A0000082 , A0000083 , A0000084 , A0000085 , A0000086 , A0000087 , A0000088 ,
		A0000089 , A0000090 , A0000091 , A0000092 , A0000093 , A0000094 , A0000095 , A0000096 ,
		A0000097 , A0000098 , A0000099 , A0000100 , A0000101 , A0000102 , A0000103 , A0000104 ,
		A0000105 , A0000106 , A0000107 , A0000108 , A0000109 , A0000110 , A0000111 , A0000112 ,
		A0000113 , A0000114 , A0000115 , A0000116 , A0000117 , A0000118 , A0000119 , A0000120 ,
		A0000121 , A0000122 , A0000123 , A0000124 , A0000125 , A0000126 , A0000127 , A0000128 ,
		A0000129 , A0000130 , A0000131 , A0000132 , A0000133 , A0000134 , A0000135 , A0000136 ,
		A0000137 , A0000138 , A0000139 , A0000140 , A0000141 , A0000142 , A0000143 , A0000144 ,
		A0000145 , A0000146 , A0000147 , A0000148 , A0000149 , A0000150 , A0000151 , A0000152 ,
		A0000153 , A0000154 , A0000155 , A0000156 , A0000157 , A0000158 , A0000159 , A0000160 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
		A0000161 , A0000162 , A0000163 , A0000164 , A0000165 , A0000166 , A0000167 , A0000168 ,
		A0000169 , A0000170 , A0000171 , A0000172 , A0000173 , A0000174 , A0000175 , A0000176 ,
		A0000177 , A0000178 , A0000179 , A0000180 , A0000181 , A0000182 , A0000183 , A0000184 ,
		A0000185 , A0000186 , A0000187 , A0000188 , A0000189 , A0000190 , A0000191 , A0000192 ,
		A0000193 , A0000194 , A0000195 , A0000196 , A0000197 , A0000198 , A0000199 , A0000200 ,
		A0000201 , A0000202 , A0000203 , A0000204 , A0000205 , A0000206 , A0000207 , A0000208 ,
		A0000209 , A0000210 , A0000211 , A0000212 , A0000213 , A0000214 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000001 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000002 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000003 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000004 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000005 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000006 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000007 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000008 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000009 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000010 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000011 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000012 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000013 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000014 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000015 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000016 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000017 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000018 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000019 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000020 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000021 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000022 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000023 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000024 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000025 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000026 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000027 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000028 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000029 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000030 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000031 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000032 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000033 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000034 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000035 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000036 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000037 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000038 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000039 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000040 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000041 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000042 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000043 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000044 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000045 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000046 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000047 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000048 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000049 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000050 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000051 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000052 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000053 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000054 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000055 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000056 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000057 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000058 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000059 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000060 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000061 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000062 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000063 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000064 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000065 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000066 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000067 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000068 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000069 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000070 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000071 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000072 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000073 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000074 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000075 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000076 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000077 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000078 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000079 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000080 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000081 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000082 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000083 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000084 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000085 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000086 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000087 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000088 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000089 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000090 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000091 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000092 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000093 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000094 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000095 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000096 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000097 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000098 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000099 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000100 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000101 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000102 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000103 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000104 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000105 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000106 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000107 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000108 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000109 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000110 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000111 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000112 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000113 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000114 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000115 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000116 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000117 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000118 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000119 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000120 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000121 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000122 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000123 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000124 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000125 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000126 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000127 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000128 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000129 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000130 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000131 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000132 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000133 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000134 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000135 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000136 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000137 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000138 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000139 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000140 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000141 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000142 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000143 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000144 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000145 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000146 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000147 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000148 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000149 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000150 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000151 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000152 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000153 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000154 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000155 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000156 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000157 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000158 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000159 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000160 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000161 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000162 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000163 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000164 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000165 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000166 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000167 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000168 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000169 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000170 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000171 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000172 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000173 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000174 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000175 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000176 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000177 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000178 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000179 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000180 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000181 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000182 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000183 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000184 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000185 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000186 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000187 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000188 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000189 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000190 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000191 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000192 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000193 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000194 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000195 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000196 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000197 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000198 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000199 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000200 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000201 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000202 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000203 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000204 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000205 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000206 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000207 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000208 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000209 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000210 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000211 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000212 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000213 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000214 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	651550.0,	4188000.0,	5.3,	5.3,	0.0);	(651575.0,	4188000.0,	5.3,	5.3,	0.0);
(	651600.0,	4188000.0,	5.3,	5.3,	0.0);	(651625.0,	4188000.0,	5.3,	5.3,	0.0);
(	651650.0,	4188000.0,	5.3,	5.3,	0.0);	(651675.0,	4188000.0,	5.3,	5.3,	0.0);
(	651700.0,	4188000.0,	5.3,	5.3,	0.0);	(651725.0,	4188000.0,	5.3,	5.3,	0.0);
(	651550.0,	4188025.0,	5.3,	5.3,	0.0);	(651575.0,	4188025.0,	5.3,	5.3,	0.0);
(	651600.0,	4188025.0,	5.3,	5.3,	0.0);	(651625.0,	4188025.0,	5.3,	5.3,	0.0);
(	651650.0,	4188025.0,	5.3,	5.3,	0.0);	(651675.0,	4188025.0,	5.3,	5.3,	0.0);
(	651700.0,	4188025.0,	5.3,	5.3,	0.0);	(651725.0,	4188025.0,	5.3,	5.3,	0.0);
(	651550.0,	4188050.0,	5.3,	5.3,	0.0);	(651575.0,	4188050.0,	5.3,	5.3,	0.0);
(	651600.0,	4188050.0,	5.3,	5.3,	0.0);	(651625.0,	4188050.0,	5.3,	5.3,	0.0);
(	651650.0,	4188050.0,	5.3,	5.3,	0.0);	(651675.0,	4188050.0,	5.3,	5.3,	0.0);
(	651700.0,	4188050.0,	5.3,	5.3,	0.0);	(651725.0,	4188050.0,	5.3,	5.3,	0.0);
(	651425.0,	4188075.0,	5.3,	5.3,	0.0);	(651450.0,	4188075.0,	5.3,	5.3,	0.0);
(	651475.0,	4188075.0,	5.3,	5.3,	0.0);	(651500.0,	4188075.0,	5.3,	5.3,	0.0);
(	651525.0,	4188075.0,	5.3,	5.3,	0.0);	(651550.0,	4188075.0,	5.3,	5.3,	0.0);
(	651575.0,	4188075.0,	5.3,	5.3,	0.0);	(651600.0,	4188075.0,	5.3,	5.3,	0.0);
(	651625.0,	4188075.0,	5.3,	5.3,	0.0);	(651650.0,	4188075.0,	5.3,	5.3,	0.0);
(	651675.0,	4188075.0,	5.3,	5.3,	0.0);	(651700.0,	4188075.0,	5.3,	5.3,	0.0);
(	651725.0,	4188075.0,	5.3,	5.3,	0.0);	(651425.0,	4188100.0,	5.3,	5.3,	0.0);
(	651450.0,	4188100.0,	5.3,	5.3,	0.0);	(651475.0,	4188100.0,	5.3,	5.3,	0.0);
(	651500.0,	4188100.0,	5.3,	5.3,	0.0);	(651525.0,	4188100.0,	5.3,	5.3,	0.0);
(	651550.0,	4188100.0,	5.3,	5.3,	0.0);	(651575.0,	4188100.0,	5.3,	5.3,	0.0);
(	651600.0,	4188100.0,	5.3,	5.3,	0.0);	(651625.0,	4188100.0,	5.3,	5.3,	0.0);
(	651650.0,	4188100.0,	5.3,	5.3,	0.0);	(651675.0,	4188100.0,	5.3,	5.3,	0.0);
(	651700.0,	4188100.0,	5.3,	5.3,	0.0);	(651725.0,	4188100.0,	5.3,	5.3,	0.0);
(	651425.0,	4188125.0,	5.3,	5.3,	0.0);	(651450.0,	4188125.0,	5.3,	5.3,	0.0);
(	651475.0,	4188125.0,	5.3,	5.3,	0.0);	(651500.0,	4188125.0,	5.3,	5.3,	0.0);
(	651525.0,	4188125.0,	5.3,	5.3,	0.0);	(651550.0,	4188125.0,	5.3,	5.3,	0.0);
(	651575.0,	4188125.0,	5.3,	5.3,	0.0);	(651600.0,	4188125.0,	5.3,	5.3,	0.0);
(	651625.0,	4188125.0,	5.3,	5.3,	0.0);	(651650.0,	4188125.0,	5.3,	5.3,	0.0);
(	651675.0,	4188125.0,	5.3,	5.3,	0.0);	(651700.0,	4188125.0,	5.3,	5.3,	0.0);
(	651725.0,	4188125.0,	5.3,	5.3,	0.0);	(651425.0,	4188150.0,	5.3,	5.3,	0.0);
(	651450.0,	4188150.0,	5.3,	5.3,	0.0);	(651475.0,	4188150.0,	5.3,	5.3,	0.0);
(	651500.0,	4188150.0,	5.3,	5.3,	0.0);	(651525.0,	4188150.0,	5.3,	5.3,	0.0);
(	651550.0,	4188150.0,	5.3,	5.3,	0.0);	(651575.0,	4188150.0,	5.3,	5.3,	0.0);
(	651600.0,	4188150.0,	5.3,	5.3,	0.0);	(651625.0,	4188150.0,	5.3,	5.3,	0.0);
(	651650.0,	4188150.0,	5.3,	5.3,	0.0);	(651675.0,	4188150.0,	5.3,	5.3,	0.0);
(	651700.0,	4188150.0,	5.3,	5.3,	0.0);	(651725.0,	4188150.0,	5.3,	5.3,	0.0);
(	651425.0,	4188175.0,	5.3,	5.3,	0.0);	(651450.0,	4188175.0,	5.3,	5.3,	0.0);
(	651475.0,	4188175.0,	5.3,	5.3,	0.0);	(651500.0,	4188175.0,	5.3,	5.3,	0.0);
(	651525.0,	4188175.0,	5.3,	5.3,	0.0);	(651550.0,	4188175.0,	5.3,	5.3,	0.0);
(	651575.0,	4188175.0,	5.3,	5.3,	0.0);	(651600.0,	4188175.0,	5.3,	5.3,	0.0);
(	651625.0,	4188175.0,	5.3,	5.3,	0.0);	(651650.0,	4188175.0,	5.3,	5.3,	0.0);
(	651675.0,	4188175.0,	5.3,	5.3,	0.0);	(651700.0,	4188175.0,	5.3,	5.3,	0.0);
(	651725.0,	4188175.0,	5.3,	5.3,	0.0);	(651425.0,	4188200.0,	5.3,	5.3,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(651450.0,	4188200.0,	5.3,	5.3,	0.0);	(651475.0,	4188200.0,	5.3,	5.3,	0.0);
(651500.0,	4188200.0,	5.3,	5.3,	0.0);	(651525.0,	4188200.0,	5.4,	5.4,	0.0);
(651550.0,	4188200.0,	5.4,	5.4,	0.0);	(651575.0,	4188200.0,	5.4,	5.4,	0.0);
(651600.0,	4188200.0,	5.4,	5.4,	0.0);	(651625.0,	4188200.0,	5.4,	5.4,	0.0);
(651650.0,	4188200.0,	5.4,	5.4,	0.0);	(651675.0,	4188200.0,	5.5,	5.5,	0.0);
(651700.0,	4188200.0,	5.5,	5.5,	0.0);	(651725.0,	4188200.0,	5.6,	5.6,	0.0);
(651425.0,	4188225.0,	5.5,	5.5,	0.0);	(651450.0,	4188225.0,	5.5,	5.5,	0.0);
(651475.0,	4188225.0,	5.5,	5.5,	0.0);	(651500.0,	4188225.0,	5.5,	5.5,	0.0);
(651525.0,	4188225.0,	5.6,	5.6,	0.0);	(651550.0,	4188225.0,	5.6,	5.6,	0.0);
(651575.0,	4188225.0,	5.6,	5.6,	0.0);	(651600.0,	4188225.0,	5.6,	5.6,	0.0);
(651625.0,	4188225.0,	5.7,	5.7,	0.0);	(651650.0,	4188225.0,	5.7,	5.7,	0.0);
(651675.0,	4188225.0,	5.7,	5.7,	0.0);	(651700.0,	4188225.0,	5.8,	5.8,	0.0);
(651725.0,	4188225.0,	6.1,	6.1,	0.0);	(651425.0,	4188250.0,	5.6,	5.6,	0.0);
(651450.0,	4188250.0,	5.6,	5.6,	0.0);	(651475.0,	4188250.0,	5.6,	5.6,	0.0);
(651500.0,	4188250.0,	5.7,	5.7,	0.0);	(651525.0,	4188250.0,	5.7,	5.7,	0.0);
(651550.0,	4188250.0,	5.7,	5.7,	0.0);	(651575.0,	4188250.0,	5.8,	5.8,	0.0);
(651600.0,	4188250.0,	5.8,	5.8,	0.0);	(651625.0,	4188250.0,	5.9,	5.9,	0.0);
(651650.0,	4188250.0,	5.9,	5.9,	0.0);	(651675.0,	4188250.0,	6.0,	6.0,	0.0);
(651700.0,	4188250.0,	6.1,	6.1,	0.0);	(651725.0,	4188250.0,	6.3,	6.3,	0.0);
(651425.0,	4188275.0,	5.6,	5.6,	0.0);	(651450.0,	4188275.0,	5.7,	5.7,	0.0);
(651475.0,	4188275.0,	5.7,	5.7,	0.0);	(651500.0,	4188275.0,	5.7,	5.7,	0.0);
(651525.0,	4188275.0,	5.8,	5.8,	0.0);	(651550.0,	4188275.0,	5.8,	5.8,	0.0);
(651575.0,	4188275.0,	5.9,	5.9,	0.0);	(651600.0,	4188275.0,	6.0,	6.0,	0.0);
(651625.0,	4188275.0,	6.0,	6.0,	0.0);	(651650.0,	4188275.0,	6.1,	6.1,	0.0);
(651675.0,	4188275.0,	6.2,	6.2,	0.0);	(651700.0,	4188275.0,	6.3,	6.3,	0.0);
(651725.0,	4188275.0,	6.4,	6.4,	0.0);	(651425.0,	4188300.0,	5.7,	5.7,	0.0);
(651450.0,	4188300.0,	5.7,	5.7,	0.0);	(651475.0,	4188300.0,	5.7,	5.7,	0.0);
(651500.0,	4188300.0,	5.8,	5.8,	0.0);	(651525.0,	4188300.0,	5.8,	5.8,	0.0);
(651550.0,	4188300.0,	5.9,	5.9,	0.0);	(651575.0,	4188300.0,	6.0,	6.0,	0.0);
(651600.0,	4188300.0,	6.0,	6.0,	0.0);	(651625.0,	4188300.0,	6.1,	6.1,	0.0);
(651650.0,	4188300.0,	6.2,	6.2,	0.0);	(651675.0,	4188300.0,	6.3,	6.3,	0.0);
(651700.0,	4188300.0,	6.3,	6.3,	0.0);	(651725.0,	4188300.0,	6.4,	6.4,	0.0);
(651425.0,	4188325.0,	5.7,	5.7,	0.0);	(651450.0,	4188325.0,	5.7,	5.7,	0.0);
(651475.0,	4188325.0,	5.7,	5.7,	0.0);	(651500.0,	4188325.0,	5.8,	5.8,	0.0);
(651525.0,	4188325.0,	5.8,	5.8,	0.0);	(651550.0,	4188325.0,	5.9,	5.9,	0.0);
(651575.0,	4188325.0,	6.0,	6.0,	0.0);	(651600.0,	4188325.0,	6.0,	6.0,	0.0);
(651625.0,	4188325.0,	6.1,	6.1,	0.0);	(651650.0,	4188325.0,	6.2,	6.2,	0.0);
(651675.0,	4188325.0,	6.3,	6.3,	0.0);	(651700.0,	4188325.0,	6.4,	6.4,	0.0);
(651725.0,	4188325.0,	6.4,	6.4,	0.0);	(651425.0,	4188350.0,	5.6,	5.6,	0.0);
(651450.0,	4188350.0,	5.7,	5.7,	0.0);	(651475.0,	4188350.0,	5.7,	5.7,	0.0);
(651500.0,	4188350.0,	5.8,	5.8,	0.0);	(651525.0,	4188350.0,	5.8,	5.8,	0.0);
(651550.0,	4188350.0,	5.8,	5.8,	0.0);	(651575.0,	4188350.0,	5.9,	5.9,	0.0);
(651600.0,	4188350.0,	6.0,	6.0,	0.0);	(651625.0,	4188350.0,	6.1,	6.1,	0.0);
(651650.0,	4188350.0,	6.1,	6.1,	0.0);	(651675.0,	4188350.0,	6.2,	6.2,	0.0);
(651700.0,	4188350.0,	6.3,	6.3,	0.0);	(651725.0,	4188350.0,	6.4,	6.4,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	651425.0,	4188375.0,	5.6,	5.6,	0.0);	(651450.0,	4188375.0,	5.6,	5.6,	0.0);
(	651475.0,	4188375.0,	5.7,	5.7,	0.0);	(651500.0,	4188375.0,	5.7,	5.7,	0.0);
(	651525.0,	4188375.0,	5.7,	5.7,	0.0);	(651550.0,	4188375.0,	5.8,	5.8,	0.0);
(	651575.0,	4188375.0,	5.8,	5.8,	0.0);	(651600.0,	4188375.0,	5.9,	5.9,	0.0);
(	651625.0,	4188375.0,	5.9,	5.9,	0.0);	(651650.0,	4188375.0,	6.0,	6.0,	0.0);
(	651675.0,	4188375.0,	6.1,	6.1,	0.0);	(651700.0,	4188375.0,	6.2,	6.2,	0.0);
(	651725.0,	4188375.0,	6.3,	6.3,	0.0);	(651425.0,	4188400.0,	5.5,	5.5,	0.0);
(	651450.0,	4188400.0,	5.5,	5.5,	0.0);	(651475.0,	4188400.0,	5.6,	5.6,	0.0);
(	651500.0,	4188400.0,	5.6,	5.6,	0.0);	(651525.0,	4188400.0,	5.6,	5.6,	0.0);
(	651550.0,	4188400.0,	5.6,	5.6,	0.0);	(651575.0,	4188400.0,	5.6,	5.6,	0.0);
(	651600.0,	4188400.0,	5.7,	5.7,	0.0);	(651625.0,	4188400.0,	5.7,	5.7,	0.0);
(	651650.0,	4188400.0,	5.8,	5.8,	0.0);	(651675.0,	4188400.0,	5.8,	5.8,	0.0);
(	651700.0,	4188400.0,	5.9,	5.9,	0.0);	(651725.0,	4188400.0,	6.1,	6.1,	0.0);
(	651425.0,	4188425.0,	5.4,	5.4,	0.0);	(651450.0,	4188425.0,	5.4,	5.4,	0.0);
(	651475.0,	4188425.0,	5.4,	5.4,	0.0);	(651500.0,	4188425.0,	5.4,	5.4,	0.0);
(	651525.0,	4188425.0,	5.4,	5.4,	0.0);	(651550.0,	4188425.0,	5.4,	5.4,	0.0);
(	651575.0,	4188425.0,	5.4,	5.4,	0.0);	(651600.0,	4188425.0,	5.5,	5.5,	0.0);
(	651625.0,	4188425.0,	5.5,	5.5,	0.0);	(651650.0,	4188425.0,	5.5,	5.5,	0.0);
(	651675.0,	4188425.0,	5.5,	5.5,	0.0);	(651700.0,	4188425.0,	5.6,	5.6,	0.0);
(	651725.0,	4188425.0,	5.8,	5.8,	0.0);	(651425.0,	4188450.0,	5.3,	5.3,	0.0);
(	651450.0,	4188450.0,	5.3,	5.3,	0.0);	(651475.0,	4188450.0,	5.3,	5.3,	0.0);
(	651500.0,	4188450.0,	5.3,	5.3,	0.0);	(651525.0,	4188450.0,	5.3,	5.3,	0.0);
(	651550.0,	4188450.0,	5.3,	5.3,	0.0);	(651575.0,	4188450.0,	5.3,	5.3,	0.0);
(	651600.0,	4188450.0,	5.3,	5.3,	0.0);	(651625.0,	4188450.0,	5.3,	5.3,	0.0);
(	651650.0,	4188450.0,	5.3,	5.3,	0.0);	(651675.0,	4188450.0,	5.3,	5.3,	0.0);
(	651700.0,	4188450.0,	5.3,	5.3,	0.0);	(651725.0,	4188450.0,	5.4,	5.4,	0.0);
(	651425.0,	4188475.0,	5.2,	5.2,	0.0);	(651450.0,	4188475.0,	5.2,	5.2,	0.0);
(	651475.0,	4188475.0,	5.2,	5.2,	0.0);	(651500.0,	4188475.0,	5.2,	5.2,	0.0);
(	651525.0,	4188475.0,	5.2,	5.2,	0.0);	(651550.0,	4188475.0,	5.2,	5.2,	0.0);
(	651575.0,	4188475.0,	5.3,	5.3,	0.0);	(651600.0,	4188475.0,	5.3,	5.3,	0.0);
(	651625.0,	4188475.0,	5.3,	5.3,	0.0);	(651650.0,	4188475.0,	5.3,	5.3,	0.0);
(	651675.0,	4188475.0,	5.3,	5.3,	0.0);	(651700.0,	4188475.0,	5.3,	5.3,	0.0);
(	651725.0,	4188475.0,	5.3,	5.3,	0.0);	(651425.0,	4188500.0,	5.2,	5.2,	0.0);
(	651450.0,	4188500.0,	5.2,	5.2,	0.0);	(651475.0,	4188500.0,	5.2,	5.2,	0.0);
(	651500.0,	4188500.0,	5.2,	5.2,	0.0);	(651525.0,	4188500.0,	5.2,	5.2,	0.0);
(	651550.0,	4188500.0,	5.2,	5.2,	0.0);	(651575.0,	4188500.0,	5.2,	5.2,	0.0);
(	651600.0,	4188500.0,	5.2,	5.2,	0.0);	(651625.0,	4188500.0,	5.2,	5.2,	0.0);
(	651650.0,	4188500.0,	5.2,	5.2,	0.0);	(651675.0,	4188500.0,	5.2,	5.2,	0.0);
(	651700.0,	4188500.0,	5.2,	5.2,	0.0);	(651725.0,	4188500.0,	5.2,	5.2,	0.0);
(	651425.0,	4188525.0,	5.1,	5.1,	0.0);	(651450.0,	4188525.0,	5.1,	5.1,	0.0);
(	651475.0,	4188525.0,	5.1,	5.1,	0.0);	(651500.0,	4188525.0,	5.1,	5.1,	0.0);
(	651525.0,	4188525.0,	5.2,	5.2,	0.0);	(651550.0,	4188525.0,	5.2,	5.2,	0.0);
(	651575.0,	4188525.0,	5.2,	5.2,	0.0);	(651600.0,	4188525.0,	5.2,	5.2,	0.0);
(	651625.0,	4188525.0,	5.2,	5.2,	0.0);	(651650.0,	4188525.0,	5.2,	5.2,	0.0);
(	651675.0,	4188525.0,	5.2,	5.2,	0.0);	(651700.0,	4188525.0,	5.2,	5.2,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(651725.0,	4188525.0,	5.2,	5.2,	0.0);	(651425.0,	4188550.0,	5.1,	5.1,	0.0);
(651450.0,	4188550.0,	5.1,	5.1,	0.0);	(651475.0,	4188550.0,	5.1,	5.1,	0.0);
(651500.0,	4188550.0,	5.1,	5.1,	0.0);	(651525.0,	4188550.0,	5.1,	5.1,	0.0);
(651550.0,	4188550.0,	5.1,	5.1,	0.0);	(651575.0,	4188550.0,	5.1,	5.1,	0.0);
(651600.0,	4188550.0,	5.1,	5.1,	0.0);	(651625.0,	4188550.0,	5.2,	5.2,	0.0);
(651650.0,	4188550.0,	5.2,	5.2,	0.0);	(651675.0,	4188550.0,	5.2,	5.2,	0.0);
(651700.0,	4188550.0,	5.2,	5.2,	0.0);	(651725.0,	4188550.0,	5.2,	5.2,	0.0);
(651425.0,	4188575.0,	5.1,	5.1,	0.0);	(651450.0,	4188575.0,	5.1,	5.1,	0.0);
(651475.0,	4188575.0,	5.1,	5.1,	0.0);	(651500.0,	4188575.0,	5.1,	5.1,	0.0);
(651525.0,	4188575.0,	5.1,	5.1,	0.0);	(651550.0,	4188575.0,	5.1,	5.1,	0.0);
(651575.0,	4188575.0,	5.1,	5.1,	0.0);	(651600.0,	4188575.0,	5.1,	5.1,	0.0);
(651625.0,	4188575.0,	5.1,	5.1,	0.0);	(651650.0,	4188575.0,	5.1,	5.1,	0.0);
(651675.0,	4188575.0,	5.2,	5.2,	0.0);	(651700.0,	4188575.0,	5.2,	5.2,	0.0);
(651725.0,	4188575.0,	5.2,	5.2,	0.0);	(651425.0,	4188600.0,	5.1,	5.1,	0.0);
(651450.0,	4188600.0,	5.1,	5.1,	0.0);	(651475.0,	4188600.0,	5.1,	5.1,	0.0);
(651500.0,	4188600.0,	5.1,	5.1,	0.0);	(651525.0,	4188600.0,	5.1,	5.1,	0.0);
(651550.0,	4188600.0,	5.1,	5.1,	0.0);	(651575.0,	4188600.0,	5.1,	5.1,	0.0);
(651600.0,	4188600.0,	5.1,	5.1,	0.0);	(651625.0,	4188600.0,	5.1,	5.1,	0.0);
(651650.0,	4188600.0,	5.1,	5.1,	0.0);	(651675.0,	4188600.0,	5.1,	5.1,	0.0);
(651700.0,	4188600.0,	5.2,	5.2,	0.0);	(651725.0,	4188600.0,	5.2,	5.2,	0.0);
(651425.0,	4188625.0,	5.1,	5.1,	0.0);	(651450.0,	4188625.0,	5.1,	5.1,	0.0);
(651475.0,	4188625.0,	5.1,	5.1,	0.0);	(651500.0,	4188625.0,	5.1,	5.1,	0.0);
(651525.0,	4188625.0,	5.1,	5.1,	0.0);	(651550.0,	4188625.0,	5.1,	5.1,	0.0);
(651575.0,	4188625.0,	5.1,	5.1,	0.0);	(651600.0,	4188625.0,	5.1,	5.1,	0.0);
(651625.0,	4188625.0,	5.1,	5.1,	0.0);	(651650.0,	4188625.0,	5.1,	5.1,	0.0);
(651675.0,	4188625.0,	5.1,	5.1,	0.0);	(651700.0,	4188625.0,	5.2,	5.2,	0.0);
(651725.0,	4188625.0,	5.2,	5.2,	0.0);	(651425.0,	4188650.0,	5.1,	5.1,	0.0);
(651450.0,	4188650.0,	5.1,	5.1,	0.0);	(651475.0,	4188650.0,	5.1,	5.1,	0.0);
(651500.0,	4188650.0,	5.1,	5.1,	0.0);	(651525.0,	4188650.0,	5.1,	5.1,	0.0);
(651550.0,	4188650.0,	5.1,	5.1,	0.0);	(651575.0,	4188650.0,	5.1,	5.1,	0.0);
(651600.0,	4188650.0,	5.1,	5.1,	0.0);	(651625.0,	4188650.0,	5.1,	5.1,	0.0);
(651650.0,	4188650.0,	5.1,	5.1,	0.0);	(651675.0,	4188650.0,	5.1,	5.1,	0.0);
(651700.0,	4188650.0,	5.1,	5.1,	0.0);	(651725.0,	4188650.0,	5.2,	5.2,	0.0);
(651425.0,	4188675.0,	5.1,	5.1,	0.0);	(651450.0,	4188675.0,	5.1,	5.1,	0.0);
(651475.0,	4188675.0,	5.1,	5.1,	0.0);	(651500.0,	4188675.0,	5.1,	5.1,	0.0);
(651525.0,	4188675.0,	5.1,	5.1,	0.0);	(651550.0,	4188675.0,	5.1,	5.1,	0.0);
(651575.0,	4188675.0,	5.1,	5.1,	0.0);	(651600.0,	4188675.0,	5.1,	5.1,	0.0);
(651625.0,	4188675.0,	5.1,	5.1,	0.0);	(651650.0,	4188675.0,	5.2,	5.2,	0.0);
(651675.0,	4188675.0,	5.2,	5.2,	0.0);	(651700.0,	4188675.0,	5.2,	5.2,	0.0);
(651725.0,	4188675.0,	5.2,	5.2,	0.0);	(651425.0,	4188700.0,	5.2,	5.2,	0.0);
(651450.0,	4188700.0,	5.2,	5.2,	0.0);	(651475.0,	4188700.0,	5.2,	5.2,	0.0);
(651500.0,	4188700.0,	5.2,	5.2,	0.0);	(651525.0,	4188700.0,	5.2,	5.2,	0.0);
(651550.0,	4188700.0,	5.2,	5.2,	0.0);	(651575.0,	4188700.0,	5.2,	5.2,	0.0);
(651600.0,	4188700.0,	5.2,	5.2,	0.0);	(651625.0,	4188700.0,	5.2,	5.2,	0.0);
(651650.0,	4188700.0,	5.2,	5.2,	0.0);	(651675.0,	4188700.0,	5.2,	5.2,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(651700.0,	4188700.0,	5.2,	5.2,	0.0);	(651725.0,	4188700.0,	5.2,	5.2,	0.0);
(651425.0,	4188725.0,	5.3,	5.3,	0.0);	(651450.0,	4188725.0,	5.3,	5.3,	0.0);
(651475.0,	4188725.0,	5.3,	5.3,	0.0);	(651500.0,	4188725.0,	5.3,	5.3,	0.0);
(651525.0,	4188725.0,	5.3,	5.3,	0.0);	(651550.0,	4188725.0,	5.3,	5.3,	0.0);
(651575.0,	4188725.0,	5.3,	5.3,	0.0);	(651600.0,	4188725.0,	5.3,	5.3,	0.0);
(651625.0,	4188725.0,	5.3,	5.3,	0.0);	(651650.0,	4188725.0,	5.3,	5.3,	0.0);
(651675.0,	4188725.0,	5.3,	5.3,	0.0);	(651700.0,	4188725.0,	5.2,	5.2,	0.0);
(651725.0,	4188725.0,	5.2,	5.2,	0.0);	(651425.0,	4188750.0,	5.3,	5.3,	0.0);
(651450.0,	4188750.0,	5.3,	5.3,	0.0);	(651475.0,	4188750.0,	5.3,	5.3,	0.0);
(651500.0,	4188750.0,	5.3,	5.3,	0.0);	(651525.0,	4188750.0,	5.3,	5.3,	0.0);
(651550.0,	4188750.0,	5.3,	5.3,	0.0);	(651575.0,	4188750.0,	5.3,	5.3,	0.0);
(651600.0,	4188750.0,	5.3,	5.3,	0.0);	(651625.0,	4188750.0,	5.3,	5.3,	0.0);
(651650.0,	4188750.0,	5.3,	5.3,	0.0);	(651675.0,	4188750.0,	5.3,	5.3,	0.0);
(651700.0,	4188750.0,	5.3,	5.3,	0.0);	(651725.0,	4188750.0,	5.4,	5.4,	0.0);
(651425.0,	4188775.0,	5.3,	5.3,	0.0);	(651450.0,	4188775.0,	5.3,	5.3,	0.0);
(651475.0,	4188775.0,	5.3,	5.3,	0.0);	(651500.0,	4188775.0,	5.3,	5.3,	0.0);
(651525.0,	4188775.0,	5.3,	5.3,	0.0);	(651550.0,	4188775.0,	5.3,	5.3,	0.0);
(651575.0,	4188775.0,	5.3,	5.3,	0.0);	(651600.0,	4188775.0,	5.3,	5.3,	0.0);
(651625.0,	4188775.0,	5.3,	5.3,	0.0);	(651650.0,	4188775.0,	5.3,	5.3,	0.0);
(651675.0,	4188775.0,	5.3,	5.3,	0.0);	(651700.0,	4188775.0,	5.3,	5.3,	0.0);
(651725.0,	4188775.0,	5.4,	5.4,	0.0);	(651425.0,	4188800.0,	5.3,	5.3,	0.0);
(651450.0,	4188800.0,	5.3,	5.3,	0.0);	(651475.0,	4188800.0,	5.3,	5.3,	0.0);
(651500.0,	4188800.0,	5.3,	5.3,	0.0);	(651525.0,	4188800.0,	5.3,	5.3,	0.0);
(651550.0,	4188800.0,	5.3,	5.3,	0.0);	(651575.0,	4188800.0,	5.3,	5.3,	0.0);
(651600.0,	4188800.0,	5.3,	5.3,	0.0);	(651625.0,	4188800.0,	5.3,	5.3,	0.0);
(651650.0,	4188800.0,	5.2,	5.2,	0.0);	(651675.0,	4188800.0,	5.2,	5.2,	0.0);
(651700.0,	4188800.0,	5.2,	5.2,	0.0);	(651725.0,	4188800.0,	5.2,	5.2,	0.0);
(651425.0,	4188825.0,	5.3,	5.3,	0.0);	(651450.0,	4188825.0,	5.3,	5.3,	0.0);
(651475.0,	4188825.0,	5.3,	5.3,	0.0);	(651500.0,	4188825.0,	5.3,	5.3,	0.0);
(651525.0,	4188825.0,	5.3,	5.3,	0.0);	(651550.0,	4188825.0,	5.3,	5.3,	0.0);
(651575.0,	4188825.0,	5.3,	5.3,	0.0);	(651600.0,	4188825.0,	5.2,	5.2,	0.0);
(651625.0,	4188825.0,	5.2,	5.2,	0.0);	(651650.0,	4188825.0,	5.2,	5.2,	0.0);
(651675.0,	4188825.0,	5.2,	5.2,	0.0);	(651700.0,	4188825.0,	5.2,	5.2,	0.0);
(651725.0,	4188825.0,	5.2,	5.2,	0.0);	(651425.0,	4188850.0,	5.2,	5.2,	0.0);
(651450.0,	4188850.0,	5.3,	5.3,	0.0);	(651475.0,	4188850.0,	5.3,	5.3,	0.0);
(651500.0,	4188850.0,	5.3,	5.3,	0.0);	(651525.0,	4188850.0,	5.2,	5.2,	0.0);
(651550.0,	4188850.0,	5.2,	5.2,	0.0);	(651575.0,	4188850.0,	5.2,	5.2,	0.0);
(651600.0,	4188850.0,	5.2,	5.2,	0.0);	(651625.0,	4188850.0,	5.2,	5.2,	0.0);
(651650.0,	4188850.0,	5.2,	5.2,	0.0);	(651675.0,	4188850.0,	5.2,	5.2,	0.0);
(651700.0,	4188850.0,	5.2,	5.2,	0.0);	(651725.0,	4188850.0,	5.2,	5.2,	0.0);
(651425.0,	4188875.0,	5.2,	5.2,	0.0);	(651450.0,	4188875.0,	5.2,	5.2,	0.0);
(651475.0,	4188875.0,	5.2,	5.2,	0.0);	(651500.0,	4188875.0,	5.2,	5.2,	0.0);
(651525.0,	4188875.0,	5.2,	5.2,	0.0);	(651550.0,	4188875.0,	5.2,	5.2,	0.0);
(651575.0,	4188875.0,	5.2,	5.2,	0.0);	(651600.0,	4188875.0,	5.2,	5.2,	0.0);
(651625.0,	4188875.0,	5.2,	5.2,	0.0);	(651650.0,	4188875.0,	5.2,	5.2,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	651675.0,	4188875.0,	5.2,	5.2,	0.0);	(651700.0,	4188875.0,	5.2,	5.2,	0.0);
(	651725.0,	4188875.0,	5.2,	5.2,	0.0);	(651425.0,	4188900.0,	5.1,	5.1,	0.0);
(	651450.0,	4188900.0,	5.1,	5.1,	0.0);	(651475.0,	4188900.0,	5.1,	5.1,	0.0);
(	651500.0,	4188900.0,	5.1,	5.1,	0.0);	(651525.0,	4188900.0,	5.1,	5.1,	0.0);
(	651550.0,	4188900.0,	5.1,	5.1,	0.0);	(651575.0,	4188900.0,	5.2,	5.2,	0.0);
(	651600.0,	4188900.0,	5.2,	5.2,	0.0);	(651625.0,	4188900.0,	5.2,	5.2,	0.0);
(	651650.0,	4188900.0,	5.2,	5.2,	0.0);	(651675.0,	4188900.0,	5.2,	5.2,	0.0);
(	651700.0,	4188900.0,	5.2,	5.2,	0.0);	(651725.0,	4188900.0,	5.2,	5.2,	0.0);
(	651425.0,	4188925.0,	5.1,	5.1,	0.0);	(651450.0,	4188925.0,	5.1,	5.1,	0.0);
(	651475.0,	4188925.0,	5.1,	5.1,	0.0);	(651500.0,	4188925.0,	5.1,	5.1,	0.0);
(	651525.0,	4188925.0,	5.1,	5.1,	0.0);	(651550.0,	4188925.0,	5.2,	5.2,	0.0);
(	651575.0,	4188925.0,	5.2,	5.2,	0.0);	(651600.0,	4188925.0,	5.2,	5.2,	0.0);
(	651625.0,	4188925.0,	5.2,	5.2,	0.0);	(651650.0,	4188925.0,	5.2,	5.2,	0.0);
(	651675.0,	4188925.0,	5.2,	5.2,	0.0);	(651700.0,	4188925.0,	5.2,	5.2,	0.0);
(	651725.0,	4188925.0,	5.2,	5.2,	0.0);	(651425.0,	4188950.0,	5.0,	5.0,	0.0);
(	651450.0,	4188950.0,	5.0,	5.0,	0.0);	(651475.0,	4188950.0,	5.0,	5.0,	0.0);
(	651500.0,	4188950.0,	5.1,	5.1,	0.0);	(651525.0,	4188950.0,	5.1,	5.1,	0.0);
(	651550.0,	4188950.0,	5.2,	5.2,	0.0);	(651575.0,	4188950.0,	5.3,	5.3,	0.0);
(	651600.0,	4188950.0,	5.3,	5.3,	0.0);	(651625.0,	4188950.0,	5.3,	5.3,	0.0);
(	651650.0,	4188950.0,	5.3,	5.3,	0.0);	(651675.0,	4188950.0,	5.2,	5.2,	0.0);
(	651700.0,	4188950.0,	5.2,	5.2,	0.0);	(651725.0,	4188950.0,	5.2,	5.2,	0.0);
(	651425.0,	4188975.0,	5.0,	5.0,	0.0);	(651450.0,	4188975.0,	5.0,	5.0,	0.0);
(	651475.0,	4188975.0,	5.0,	5.0,	0.0);	(651500.0,	4188975.0,	5.1,	5.1,	0.0);
(	651525.0,	4188975.0,	5.2,	5.2,	0.0);	(651550.0,	4188975.0,	5.2,	5.2,	0.0);
(	651575.0,	4188975.0,	5.3,	5.3,	0.0);	(651600.0,	4188975.0,	5.4,	5.4,	0.0);
(	651625.0,	4188975.0,	5.4,	5.4,	0.0);	(651650.0,	4188975.0,	5.3,	5.3,	0.0);
(	651675.0,	4188975.0,	5.3,	5.3,	0.0);	(651700.0,	4188975.0,	5.3,	5.3,	0.0);
(	651725.0,	4188975.0,	5.3,	5.3,	0.0);	(651425.0,	4189000.0,	5.0,	5.0,	0.0);
(	651450.0,	4189000.0,	5.0,	5.0,	0.0);	(651475.0,	4189000.0,	5.0,	5.0,	0.0);
(	651500.0,	4189000.0,	5.1,	5.1,	0.0);	(651525.0,	4189000.0,	5.2,	5.2,	0.0);
(	651550.0,	4189000.0,	5.2,	5.2,	0.0);	(651575.0,	4189000.0,	5.3,	5.3,	0.0);
(	651600.0,	4189000.0,	5.3,	5.3,	0.0);	(651625.0,	4189000.0,	5.5,	5.5,	0.0);
(	651650.0,	4189000.0,	5.5,	5.5,	0.0);	(651675.0,	4189000.0,	5.5,	5.5,	0.0);
(	651700.0,	4189000.0,	5.6,	5.6,	0.0);	(651725.0,	4189000.0,	5.8,	5.8,	0.0);
(	651425.0,	4189025.0,	5.0,	5.0,	0.0);	(651450.0,	4189025.0,	5.0,	5.0,	0.0);
(	651475.0,	4189025.0,	5.1,	5.1,	0.0);	(651500.0,	4189025.0,	5.1,	5.1,	0.0);
(	651525.0,	4189025.0,	5.1,	5.1,	0.0);	(651550.0,	4189025.0,	5.2,	5.2,	0.0);
(	651575.0,	4189025.0,	5.2,	5.2,	0.0);	(651600.0,	4189025.0,	5.3,	5.3,	0.0);
(	651625.0,	4189025.0,	5.3,	5.3,	0.0);	(651650.0,	4189025.0,	5.5,	5.5,	0.0);
(	651675.0,	4189025.0,	5.6,	5.6,	0.0);	(651700.0,	4189025.0,	5.8,	5.8,	0.0);
(	651725.0,	4189025.0,	6.1,	6.1,	0.0);	(651425.0,	4189050.0,	5.1,	5.1,	0.0);
(	651450.0,	4189050.0,	5.1,	5.1,	0.0);	(651475.0,	4189050.0,	5.1,	5.1,	0.0);
(	651500.0,	4189050.0,	5.1,	5.1,	0.0);	(651525.0,	4189050.0,	5.2,	5.2,	0.0);
(	651550.0,	4189050.0,	5.2,	5.2,	0.0);	(651575.0,	4189050.0,	5.2,	5.2,	0.0);
(	651600.0,	4189050.0,	5.2,	5.2,	0.0);	(651625.0,	4189050.0,	5.3,	5.3,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(651650.0,	4189050.0,	5.3,	5.3,	0.0);	(651675.0,	4189050.0,	5.5,	5.5,	0.0);
(651700.0,	4189050.0,	5.5,	5.5,	0.0);	(651725.0,	4189050.0,	5.6,	5.6,	0.0);
(651425.0,	4189075.0,	5.2,	5.2,	0.0);	(651450.0,	4189075.0,	5.2,	5.2,	0.0);
(651475.0,	4189075.0,	5.2,	5.2,	0.0);	(651500.0,	4189075.0,	5.2,	5.2,	0.0);
(651525.0,	4189075.0,	5.2,	5.2,	0.0);	(651550.0,	4189075.0,	5.2,	5.2,	0.0);
(651575.0,	4189075.0,	5.2,	5.2,	0.0);	(651600.0,	4189075.0,	5.2,	5.2,	0.0);
(651625.0,	4189075.0,	5.2,	5.2,	0.0);	(651650.0,	4189075.0,	5.3,	5.3,	0.0);
(651675.0,	4189075.0,	5.3,	5.3,	0.0);	(651700.0,	4189075.0,	5.3,	5.3,	0.0);
(651725.0,	4189075.0,	5.3,	5.3,	0.0);	(651425.0,	4189100.0,	5.3,	5.3,	0.0);
(651450.0,	4189100.0,	5.3,	5.3,	0.0);	(651475.0,	4189100.0,	5.3,	5.3,	0.0);
(651500.0,	4189100.0,	5.3,	5.3,	0.0);	(651525.0,	4189100.0,	5.3,	5.3,	0.0);
(651550.0,	4189100.0,	5.3,	5.3,	0.0);	(651575.0,	4189100.0,	5.3,	5.3,	0.0);
(651600.0,	4189100.0,	5.3,	5.3,	0.0);	(651625.0,	4189100.0,	5.3,	5.3,	0.0);
(651650.0,	4189100.0,	5.3,	5.3,	0.0);	(651675.0,	4189100.0,	5.3,	5.3,	0.0);
(651700.0,	4189100.0,	5.3,	5.3,	0.0);	(651725.0,	4189100.0,	5.3,	5.3,	0.0);
(651425.0,	4189125.0,	5.4,	5.4,	0.0);	(651450.0,	4189125.0,	5.4,	5.4,	0.0);
(651475.0,	4189125.0,	5.4,	5.4,	0.0);	(651500.0,	4189125.0,	5.4,	5.4,	0.0);
(651525.0,	4189125.0,	5.4,	5.4,	0.0);	(651550.0,	4189125.0,	5.4,	5.4,	0.0);
(651575.0,	4189125.0,	5.4,	5.4,	0.0);	(651600.0,	4189125.0,	5.4,	5.4,	0.0);
(651625.0,	4189125.0,	5.3,	5.3,	0.0);	(651650.0,	4189125.0,	5.3,	5.3,	0.0);
(651675.0,	4189125.0,	5.3,	5.3,	0.0);	(651700.0,	4189125.0,	5.3,	5.3,	0.0);
(651725.0,	4189125.0,	5.3,	5.3,	0.0);	(651425.0,	4189150.0,	5.4,	5.4,	0.0);
(651450.0,	4189150.0,	5.5,	5.5,	0.0);	(651475.0,	4189150.0,	5.5,	5.5,	0.0);
(651500.0,	4189150.0,	5.5,	5.5,	0.0);	(651525.0,	4189150.0,	5.5,	5.5,	0.0);
(651550.0,	4189150.0,	5.6,	5.6,	0.0);	(651575.0,	4189150.0,	5.6,	5.6,	0.0);
(651600.0,	4189150.0,	5.6,	5.6,	0.0);	(651625.0,	4189150.0,	5.5,	5.5,	0.0);
(651650.0,	4189150.0,	5.5,	5.5,	0.0);	(651675.0,	4189150.0,	5.5,	5.5,	0.0);
(651700.0,	4189150.0,	5.5,	5.5,	0.0);	(651725.0,	4189150.0,	5.5,	5.5,	0.0);
(651425.0,	4189175.0,	5.5,	5.5,	0.0);	(651450.0,	4189175.0,	5.5,	5.5,	0.0);
(651475.0,	4189175.0,	5.6,	5.6,	0.0);	(651500.0,	4189175.0,	5.6,	5.6,	0.0);
(651525.0,	4189175.0,	5.6,	5.6,	0.0);	(651550.0,	4189175.0,	5.7,	5.7,	0.0);
(651575.0,	4189175.0,	5.7,	5.7,	0.0);	(651600.0,	4189175.0,	5.7,	5.7,	0.0);
(651625.0,	4189175.0,	5.8,	5.8,	0.0);	(651650.0,	4189175.0,	5.8,	5.8,	0.0);
(651675.0,	4189175.0,	5.8,	5.8,	0.0);	(651700.0,	4189175.0,	5.9,	5.9,	0.0);
(651725.0,	4189175.0,	6.0,	6.0,	0.0);	(651425.0,	4189200.0,	5.6,	5.6,	0.0);
(651450.0,	4189200.0,	5.6,	5.6,	0.0);	(651475.0,	4189200.0,	5.6,	5.6,	0.0);
(651500.0,	4189200.0,	5.7,	5.7,	0.0);	(651525.0,	4189200.0,	5.7,	5.7,	0.0);
(651550.0,	4189200.0,	5.8,	5.8,	0.0);	(651575.0,	4189200.0,	5.8,	5.8,	0.0);
(651600.0,	4189200.0,	5.9,	5.9,	0.0);	(651625.0,	4189200.0,	5.9,	5.9,	0.0);
(651650.0,	4189200.0,	6.0,	6.0,	0.0);	(651675.0,	4189200.0,	6.1,	6.1,	0.0);
(651700.0,	4189200.0,	6.2,	6.2,	0.0);	(651725.0,	4189200.0,	6.3,	6.3,	0.0);
(651425.0,	4189225.0,	5.6,	5.6,	0.0);	(651450.0,	4189225.0,	5.7,	5.7,	0.0);
(651475.0,	4189225.0,	5.7,	5.7,	0.0);	(651500.0,	4189225.0,	5.7,	5.7,	0.0);
(651525.0,	4189225.0,	5.8,	5.8,	0.0);	(651550.0,	4189225.0,	5.8,	5.8,	0.0);
(651575.0,	4189225.0,	5.9,	5.9,	0.0);	(651600.0,	4189225.0,	6.0,	6.0,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(651625.0,	4189225.0,	6.1,	6.1,	0.0);	(651650.0,	4189225.0,	6.2,	6.2,	0.0);
(651675.0,	4189225.0,	6.3,	6.3,	0.0);	(651700.0,	4189225.0,	6.4,	6.4,	0.0);
(651725.0,	4189225.0,	6.5,	6.5,	0.0);	(651425.0,	4189250.0,	5.7,	5.7,	0.0);
(651450.0,	4189250.0,	5.7,	5.7,	0.0);	(651475.0,	4189250.0,	5.8,	5.8,	0.0);
(651500.0,	4189250.0,	5.8,	5.8,	0.0);	(651525.0,	4189250.0,	5.9,	5.9,	0.0);
(651550.0,	4189250.0,	6.0,	6.0,	0.0);	(651575.0,	4189250.0,	6.0,	6.0,	0.0);
(651600.0,	4189250.0,	6.1,	6.1,	0.0);	(651625.0,	4189250.0,	6.2,	6.2,	0.0);
(651650.0,	4189250.0,	6.3,	6.3,	0.0);	(651675.0,	4189250.0,	6.4,	6.4,	0.0);
(651700.0,	4189250.0,	6.5,	6.5,	0.0);	(651725.0,	4189250.0,	6.5,	6.5,	0.0);
(651425.0,	4189275.0,	5.7,	5.7,	0.0);	(651450.0,	4189275.0,	5.8,	5.8,	0.0);
(651475.0,	4189275.0,	5.8,	5.8,	0.0);	(651500.0,	4189275.0,	5.9,	5.9,	0.0);
(651525.0,	4189275.0,	6.0,	6.0,	0.0);	(651550.0,	4189275.0,	6.0,	6.0,	0.0);
(651575.0,	4189275.0,	6.1,	6.1,	0.0);	(651600.0,	4189275.0,	6.2,	6.2,	0.0);
(651625.0,	4189275.0,	6.3,	6.3,	0.0);	(651650.0,	4189275.0,	6.3,	6.3,	0.0);
(651675.0,	4189275.0,	6.4,	6.4,	0.0);	(651700.0,	4189275.0,	6.5,	6.5,	0.0);
(651725.0,	4189275.0,	6.6,	6.6,	0.0);	(651425.0,	4189300.0,	5.8,	5.8,	0.0);
(651450.0,	4189300.0,	5.8,	5.8,	0.0);	(651475.0,	4189300.0,	5.9,	5.9,	0.0);
(651500.0,	4189300.0,	6.0,	6.0,	0.0);	(651525.0,	4189300.0,	6.0,	6.0,	0.0);
(651550.0,	4189300.0,	6.1,	6.1,	0.0);	(651575.0,	4189300.0,	6.2,	6.2,	0.0);
(651600.0,	4189300.0,	6.2,	6.2,	0.0);	(651625.0,	4189300.0,	6.3,	6.3,	0.0);
(651650.0,	4189300.0,	6.4,	6.4,	0.0);	(651675.0,	4189300.0,	6.5,	6.5,	0.0);
(651700.0,	4189300.0,	6.5,	6.5,	0.0);	(651725.0,	4189300.0,	6.6,	6.6,	0.0);
(651425.0,	4189325.0,	5.9,	5.9,	0.0);	(651450.0,	4189325.0,	5.9,	5.9,	0.0);
(651475.0,	4189325.0,	6.0,	6.0,	0.0);	(651500.0,	4189325.0,	6.0,	6.0,	0.0);
(651525.0,	4189325.0,	6.1,	6.1,	0.0);	(651550.0,	4189325.0,	6.1,	6.1,	0.0);
(651575.0,	4189325.0,	6.2,	6.2,	0.0);	(651600.0,	4189325.0,	6.3,	6.3,	0.0);
(651625.0,	4189325.0,	6.3,	6.3,	0.0);	(651650.0,	4189325.0,	6.4,	6.4,	0.0);
(651675.0,	4189325.0,	6.5,	6.5,	0.0);	(651700.0,	4189325.0,	6.5,	6.5,	0.0);
(651725.0,	4189325.0,	6.6,	6.6,	0.0);	(651425.0,	4189350.0,	5.9,	5.9,	0.0);
(651450.0,	4189350.0,	6.0,	6.0,	0.0);	(651475.0,	4189350.0,	6.0,	6.0,	0.0);
(651500.0,	4189350.0,	6.0,	6.0,	0.0);	(651525.0,	4189350.0,	6.1,	6.1,	0.0);
(651550.0,	4189350.0,	6.2,	6.2,	0.0);	(651575.0,	4189350.0,	6.2,	6.2,	0.0);
(651600.0,	4189350.0,	6.3,	6.3,	0.0);	(651625.0,	4189350.0,	6.4,	6.4,	0.0);
(651650.0,	4189350.0,	6.4,	6.4,	0.0);	(651675.0,	4189350.0,	6.5,	6.5,	0.0);
(651700.0,	4189350.0,	6.5,	6.5,	0.0);	(651725.0,	4189350.0,	6.6,	6.6,	0.0);
(651425.0,	4189375.0,	5.9,	5.9,	0.0);	(651450.0,	4189375.0,	6.0,	6.0,	0.0);
(651475.0,	4189375.0,	6.0,	6.0,	0.0);	(651500.0,	4189375.0,	6.1,	6.1,	0.0);
(651525.0,	4189375.0,	6.1,	6.1,	0.0);	(651550.0,	4189375.0,	6.2,	6.2,	0.0);
(651575.0,	4189375.0,	6.2,	6.2,	0.0);	(651600.0,	4189375.0,	6.3,	6.3,	0.0);
(651625.0,	4189375.0,	6.4,	6.4,	0.0);	(651650.0,	4189375.0,	6.4,	6.4,	0.0);
(651675.0,	4189375.0,	6.5,	6.5,	0.0);	(651700.0,	4189375.0,	6.5,	6.5,	0.0);
(651725.0,	4189375.0,	6.6,	6.6,	0.0);	(651425.0,	4189400.0,	6.0,	6.0,	0.0);
(651450.0,	4189400.0,	6.0,	6.0,	0.0);	(651475.0,	4189400.0,	6.0,	6.0,	0.0);
(651500.0,	4189400.0,	6.1,	6.1,	0.0);	(651525.0,	4189400.0,	6.1,	6.1,	0.0);
(651550.0,	4189400.0,	6.2,	6.2,	0.0);	(651575.0,	4189400.0,	6.2,	6.2,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(651600.0,	4189400.0,	6.3,	6.3,	0.0);	(651625.0,	4189400.0,	6.4,	6.4,	0.0);
(651650.0,	4189400.0,	6.4,	6.4,	0.0);	(651675.0,	4189400.0,	6.5,	6.5,	0.0);
(651700.0,	4189400.0,	6.5,	6.5,	0.0);	(651725.0,	4189400.0,	6.6,	6.6,	0.0);
(651425.0,	4189425.0,	6.0,	6.0,	0.0);	(651450.0,	4189425.0,	6.0,	6.0,	0.0);
(651475.0,	4189425.0,	6.0,	6.0,	0.0);	(651500.0,	4189425.0,	6.1,	6.1,	0.0);
(651525.0,	4189425.0,	6.1,	6.1,	0.0);	(651550.0,	4189425.0,	6.2,	6.2,	0.0);
(651575.0,	4189425.0,	6.2,	6.2,	0.0);	(651600.0,	4189425.0,	6.3,	6.3,	0.0);
(651625.0,	4189425.0,	6.3,	6.3,	0.0);	(651650.0,	4189425.0,	6.4,	6.4,	0.0);
(651675.0,	4189425.0,	6.5,	6.5,	0.0);	(651700.0,	4189425.0,	6.5,	6.5,	0.0);
(651725.0,	4189425.0,	6.6,	6.6,	0.0);	(651425.0,	4189450.0,	5.9,	5.9,	0.0);
(651450.0,	4189450.0,	6.0,	6.0,	0.0);	(651475.0,	4189450.0,	6.0,	6.0,	0.0);
(651500.0,	4189450.0,	6.1,	6.1,	0.0);	(651525.0,	4189450.0,	6.1,	6.1,	0.0);
(651550.0,	4189450.0,	6.1,	6.1,	0.0);	(651575.0,	4189450.0,	6.2,	6.2,	0.0);
(651600.0,	4189450.0,	6.2,	6.2,	0.0);	(651625.0,	4189450.0,	6.3,	6.3,	0.0);
(651650.0,	4189450.0,	6.3,	6.3,	0.0);	(651675.0,	4189450.0,	6.4,	6.4,	0.0);
(651700.0,	4189450.0,	6.5,	6.5,	0.0);	(651725.0,	4189450.0,	6.6,	6.6,	0.0);
(651425.0,	4189475.0,	5.9,	5.9,	0.0);	(651450.0,	4189475.0,	5.9,	5.9,	0.0);
(651475.0,	4189475.0,	6.0,	6.0,	0.0);	(651500.0,	4189475.0,	6.0,	6.0,	0.0);
(651525.0,	4189475.0,	6.0,	6.0,	0.0);	(651550.0,	4189475.0,	6.1,	6.1,	0.0);
(651575.0,	4189475.0,	6.1,	6.1,	0.0);	(651600.0,	4189475.0,	6.2,	6.2,	0.0);
(651625.0,	4189475.0,	6.2,	6.2,	0.0);	(651650.0,	4189475.0,	6.3,	6.3,	0.0);
(651675.0,	4189475.0,	6.4,	6.4,	0.0);	(651700.0,	4189475.0,	6.5,	6.5,	0.0);
(651725.0,	4189475.0,	6.6,	6.6,	0.0);	(651425.0,	4189500.0,	5.8,	5.8,	0.0);
(651450.0,	4189500.0,	5.9,	5.9,	0.0);	(651475.0,	4189500.0,	5.9,	5.9,	0.0);
(651500.0,	4189500.0,	5.9,	5.9,	0.0);	(651525.0,	4189500.0,	6.0,	6.0,	0.0);
(651550.0,	4189500.0,	6.0,	6.0,	0.0);	(651575.0,	4189500.0,	6.0,	6.0,	0.0);
(651600.0,	4189500.0,	6.1,	6.1,	0.0);	(651625.0,	4189500.0,	6.1,	6.1,	0.0);
(651650.0,	4189500.0,	6.3,	6.3,	0.0);	(651675.0,	4189500.0,	6.4,	6.4,	0.0);
(651700.0,	4189500.0,	6.5,	6.5,	0.0);	(651725.0,	4189500.0,	6.6,	6.6,	0.0);
(651425.0,	4189525.0,	5.8,	5.8,	0.0);	(651450.0,	4189525.0,	5.8,	5.8,	0.0);
(651475.0,	4189525.0,	5.8,	5.8,	0.0);	(651500.0,	4189525.0,	5.8,	5.8,	0.0);
(651525.0,	4189525.0,	5.8,	5.8,	0.0);	(651550.0,	4189525.0,	5.9,	5.9,	0.0);
(651575.0,	4189525.0,	5.9,	5.9,	0.0);	(651600.0,	4189525.0,	5.9,	5.9,	0.0);
(651625.0,	4189525.0,	6.0,	6.0,	0.0);	(651650.0,	4189525.0,	6.2,	6.2,	0.0);
(651675.0,	4189525.0,	6.3,	6.3,	0.0);	(651700.0,	4189525.0,	6.5,	6.5,	0.0);
(651725.0,	4189525.0,	6.6,	6.6,	0.0);	(651425.0,	4189550.0,	5.7,	5.7,	0.0);
(651450.0,	4189550.0,	5.7,	5.7,	0.0);	(651475.0,	4189550.0,	5.7,	5.7,	0.0);
(651500.0,	4189550.0,	5.7,	5.7,	0.0);	(651525.0,	4189550.0,	5.7,	5.7,	0.0);
(651550.0,	4189550.0,	5.7,	5.7,	0.0);	(651575.0,	4189550.0,	5.7,	5.7,	0.0);
(651600.0,	4189550.0,	5.8,	5.8,	0.0);	(651625.0,	4189550.0,	5.9,	5.9,	0.0);
(651650.0,	4189550.0,	6.1,	6.1,	0.0);	(651675.0,	4189550.0,	6.2,	6.2,	0.0);
(651700.0,	4189550.0,	6.4,	6.4,	0.0);	(651725.0,	4189550.0,	6.6,	6.6,	0.0);
(651425.0,	4189575.0,	5.5,	5.5,	0.0);	(651450.0,	4189575.0,	5.5,	5.5,	0.0);
(651475.0,	4189575.0,	5.5,	5.5,	0.0);	(651500.0,	4189575.0,	5.5,	5.5,	0.0);
(651525.0,	4189575.0,	5.5,	5.5,	0.0);	(651550.0,	4189575.0,	5.5,	5.5,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	651575.0,	4189575.0,	5.5,	5.5,	0.0);	(	651600.0,	4189575.0,	5.6,	5.6,	0.0);
(	651625.0,	4189575.0,	5.8,	5.8,	0.0);	(	651650.0,	4189575.0,	6.0,	6.0,	0.0);
(	651675.0,	4189575.0,	6.2,	6.2,	0.0);	(	651700.0,	4189575.0,	6.4,	6.4,	0.0);
(	651725.0,	4189575.0,	6.6,	6.6,	0.0);	(	651425.0,	4189600.0,	5.4,	5.4,	0.0);
(	651450.0,	4189600.0,	5.3,	5.3,	0.0);	(	651475.0,	4189600.0,	5.3,	5.3,	0.0);
(	651500.0,	4189600.0,	5.3,	5.3,	0.0);	(	651525.0,	4189600.0,	5.3,	5.3,	0.0);
(	651550.0,	4189600.0,	5.4,	5.4,	0.0);	(	651575.0,	4189600.0,	5.4,	5.4,	0.0);
(	651600.0,	4189600.0,	5.5,	5.5,	0.0);	(	651625.0,	4189600.0,	5.6,	5.6,	0.0);
(	651650.0,	4189600.0,	5.8,	5.8,	0.0);	(	651675.0,	4189600.0,	6.0,	6.0,	0.0);
(	651700.0,	4189600.0,	6.3,	6.3,	0.0);	(	651725.0,	4189600.0,	6.5,	6.5,	0.0);
(	651425.0,	4189625.0,	5.3,	5.3,	0.0);	(	651450.0,	4189625.0,	5.3,	5.3,	0.0);
(	651475.0,	4189625.0,	5.3,	5.3,	0.0);	(	651500.0,	4189625.0,	5.3,	5.3,	0.0);
(	651525.0,	4189625.0,	5.3,	5.3,	0.0);	(	651550.0,	4189625.0,	5.3,	5.3,	0.0);
(	651575.0,	4189625.0,	5.3,	5.3,	0.0);	(	651600.0,	4189625.0,	5.4,	5.4,	0.0);
(	651625.0,	4189625.0,	5.6,	5.6,	0.0);	(	651650.0,	4189625.0,	5.7,	5.7,	0.0);
(	651675.0,	4189625.0,	5.9,	5.9,	0.0);	(	651700.0,	4189625.0,	6.1,	6.1,	0.0);
(	651725.0,	4189625.0,	6.4,	6.4,	0.0);	(	651425.0,	4189650.0,	5.3,	5.3,	0.0);
(	651450.0,	4189650.0,	5.3,	5.3,	0.0);	(	651475.0,	4189650.0,	5.3,	5.3,	0.0);
(	651500.0,	4189650.0,	5.3,	5.3,	0.0);	(	651525.0,	4189650.0,	5.3,	5.3,	0.0);
(	651550.0,	4189650.0,	5.3,	5.3,	0.0);	(	651575.0,	4189650.0,	5.3,	5.3,	0.0);
(	651600.0,	4189650.0,	5.3,	5.3,	0.0);	(	651625.0,	4189650.0,	5.4,	5.4,	0.0);
(	651650.0,	4189650.0,	5.5,	5.5,	0.0);	(	651675.0,	4189650.0,	5.7,	5.7,	0.0);
(	651700.0,	4189650.0,	6.0,	6.0,	0.0);	(	651725.0,	4189650.0,	6.4,	6.4,	0.0);
(	651425.0,	4189675.0,	5.3,	5.3,	0.0);	(	651450.0,	4189675.0,	5.3,	5.3,	0.0);
(	651475.0,	4189675.0,	5.3,	5.3,	0.0);	(	651500.0,	4189675.0,	5.3,	5.3,	0.0);
(	651525.0,	4189675.0,	5.3,	5.3,	0.0);	(	651550.0,	4189675.0,	5.3,	5.3,	0.0);
(	651575.0,	4189675.0,	5.3,	5.3,	0.0);	(	651600.0,	4189675.0,	5.3,	5.3,	0.0);
(	651625.0,	4189675.0,	5.3,	5.3,	0.0);	(	651650.0,	4189675.0,	5.3,	5.3,	0.0);
(	651675.0,	4189675.0,	5.5,	5.5,	0.0);	(	651700.0,	4189675.0,	5.9,	5.9,	0.0);
(	651725.0,	4189675.0,	6.4,	6.4,	0.0);	(	651425.0,	4189700.0,	5.3,	5.3,	0.0);
(	651450.0,	4189700.0,	5.3,	5.3,	0.0);	(	651475.0,	4189700.0,	5.3,	5.3,	0.0);
(	651500.0,	4189700.0,	5.3,	5.3,	0.0);	(	651525.0,	4189700.0,	5.3,	5.3,	0.0);
(	651550.0,	4189700.0,	5.3,	5.3,	0.0);	(	651575.0,	4189700.0,	5.3,	5.3,	0.0);
(	651600.0,	4189700.0,	5.3,	5.3,	0.0);	(	651625.0,	4189700.0,	5.3,	5.3,	0.0);
(	651650.0,	4189700.0,	5.3,	5.3,	0.0);	(	651675.0,	4189700.0,	5.4,	5.4,	0.0);
(	651700.0,	4189700.0,	5.9,	5.9,	0.0);	(	651725.0,	4189700.0,	6.4,	6.4,	0.0);
(	651425.0,	4189725.0,	5.3,	5.3,	0.0);	(	651450.0,	4189725.0,	5.3,	5.3,	0.0);
(	651475.0,	4189725.0,	5.3,	5.3,	0.0);	(	651500.0,	4189725.0,	5.3,	5.3,	0.0);
(	651525.0,	4189725.0,	5.3,	5.3,	0.0);	(	651550.0,	4189725.0,	5.3,	5.3,	0.0);
(	651575.0,	4189725.0,	5.3,	5.3,	0.0);	(	651600.0,	4189725.0,	5.3,	5.3,	0.0);
(	651625.0,	4189725.0,	5.3,	5.3,	0.0);	(	651650.0,	4189725.0,	5.3,	5.3,	0.0);
(	651675.0,	4189725.0,	5.5,	5.5,	0.0);	(	651700.0,	4189725.0,	6.0,	6.0,	0.0);
(	651725.0,	4189725.0,	6.4,	6.4,	0.0);	(	651475.0,	4186360.0,	6.9,	6.9,	0.0);
(	651500.0,	4186360.0,	6.9,	6.9,	0.0);	(	651525.0,	4186360.0,	6.9,	6.9,	0.0);
(	651550.0,	4186360.0,	6.9,	6.9,	0.0);	(	651575.0,	4186360.0,	6.9,	6.9,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(651600.0,	4186360.0,	6.9,	6.9,	0.0);	(651475.0,	4186385.0,	6.8,	6.8,	0.0);
(651500.0,	4186385.0,	6.8,	6.8,	0.0);	(651525.0,	4186385.0,	6.8,	6.8,	0.0);
(651550.0,	4186385.0,	6.8,	6.8,	0.0);	(651575.0,	4186385.0,	6.8,	6.8,	0.0);
(651600.0,	4186385.0,	6.8,	6.8,	0.0);	(651475.0,	4186410.0,	6.8,	6.8,	0.0);
(651500.0,	4186410.0,	6.8,	6.8,	0.0);	(651525.0,	4186410.0,	6.8,	6.8,	0.0);
(651550.0,	4186410.0,	6.8,	6.8,	0.0);	(651575.0,	4186410.0,	6.8,	6.8,	0.0);
(651600.0,	4186410.0,	6.8,	6.8,	0.0);	(651475.0,	4186435.0,	6.7,	6.7,	0.0);
(651500.0,	4186435.0,	6.8,	6.8,	0.0);	(651525.0,	4186435.0,	6.8,	6.8,	0.0);
(651550.0,	4186435.0,	6.8,	6.8,	0.0);	(651575.0,	4186435.0,	6.8,	6.8,	0.0);
(651600.0,	4186435.0,	6.8,	6.8,	0.0);	(651475.0,	4186460.0,	6.7,	6.7,	0.0);
(651500.0,	4186460.0,	6.7,	6.7,	0.0);	(651525.0,	4186460.0,	6.7,	6.7,	0.0);
(651550.0,	4186460.0,	6.7,	6.7,	0.0);	(651575.0,	4186460.0,	6.7,	6.7,	0.0);
(651600.0,	4186460.0,	6.7,	6.7,	0.0);	(651475.0,	4186485.0,	6.6,	6.6,	0.0);
(651500.0,	4186485.0,	6.6,	6.6,	0.0);	(651525.0,	4186485.0,	6.7,	6.7,	0.0);
(651550.0,	4186485.0,	6.7,	6.7,	0.0);	(651575.0,	4186485.0,	6.7,	6.7,	0.0);
(651600.0,	4186485.0,	6.7,	6.7,	0.0);	(651475.0,	4186510.0,	6.5,	6.5,	0.0);
(651500.0,	4186510.0,	6.6,	6.6,	0.0);	(651525.0,	4186510.0,	6.6,	6.6,	0.0);
(651550.0,	4186510.0,	6.6,	6.6,	0.0);	(651575.0,	4186510.0,	6.6,	6.6,	0.0);
(651600.0,	4186510.0,	6.6,	6.6,	0.0);	(651625.0,	4186510.0,	6.6,	6.6,	0.0);
(651650.0,	4186510.0,	6.6,	6.6,	0.0);	(651675.0,	4186510.0,	6.6,	6.6,	0.0);
(651700.0,	4186510.0,	6.7,	6.7,	0.0);	(651725.0,	4186510.0,	6.7,	6.7,	0.0);
(651475.0,	4186535.0,	6.5,	6.5,	0.0);	(651500.0,	4186535.0,	6.5,	6.5,	0.0);
(651525.0,	4186535.0,	6.6,	6.6,	0.0);	(651550.0,	4186535.0,	6.6,	6.6,	0.0);
(651575.0,	4186535.0,	6.6,	6.6,	0.0);	(651600.0,	4186535.0,	6.6,	6.6,	0.0);
(651625.0,	4186535.0,	6.6,	6.6,	0.0);	(651650.0,	4186535.0,	6.6,	6.6,	0.0);
(651675.0,	4186535.0,	6.6,	6.6,	0.0);	(651700.0,	4186535.0,	6.6,	6.6,	0.0);
(651725.0,	4186535.0,	6.7,	6.7,	0.0);	(651750.0,	4186535.0,	6.7,	6.7,	0.0);
(651475.0,	4186560.0,	6.5,	6.5,	0.0);	(651500.0,	4186560.0,	6.5,	6.5,	0.0);
(651525.0,	4186560.0,	6.5,	6.5,	0.0);	(651550.0,	4186560.0,	6.5,	6.5,	0.0);
(651575.0,	4186560.0,	6.5,	6.5,	0.0);	(651600.0,	4186560.0,	6.6,	6.6,	0.0);
(651625.0,	4186560.0,	6.6,	6.6,	0.0);	(651650.0,	4186560.0,	6.6,	6.6,	0.0);
(651675.0,	4186560.0,	6.6,	6.6,	0.0);	(651700.0,	4186560.0,	6.6,	6.6,	0.0);
(651725.0,	4186560.0,	6.7,	6.7,	0.0);	(651750.0,	4186560.0,	6.7,	6.7,	0.0);
(651775.0,	4186560.0,	6.8,	6.8,	0.0);	(651475.0,	4186585.0,	6.4,	6.4,	0.0);
(651500.0,	4186585.0,	6.5,	6.5,	0.0);	(651525.0,	4186585.0,	6.5,	6.5,	0.0);
(651550.0,	4186585.0,	6.5,	6.5,	0.0);	(651575.0,	4186585.0,	6.5,	6.5,	0.0);
(651625.0,	4186585.0,	6.5,	6.5,	0.0);	(651650.0,	4186585.0,	6.6,	6.6,	0.0);
(651675.0,	4186585.0,	6.6,	6.6,	0.0);	(651700.0,	4186585.0,	6.6,	6.6,	0.0);
(651725.0,	4186585.0,	6.7,	6.7,	0.0);	(651750.0,	4186585.0,	6.7,	6.7,	0.0);
(651775.0,	4186585.0,	6.8,	6.8,	0.0);	(651475.0,	4186610.0,	6.4,	6.4,	0.0);
(651500.0,	4186610.0,	6.4,	6.4,	0.0);	(651525.0,	4186610.0,	6.5,	6.5,	0.0);
(651550.0,	4186610.0,	6.5,	6.5,	0.0);	(651600.0,	4186610.0,	6.5,	6.5,	0.0);
(651625.0,	4186610.0,	6.5,	6.5,	0.0);	(651650.0,	4186610.0,	6.5,	6.5,	0.0);
(651675.0,	4186610.0,	6.6,	6.6,	0.0);	(651700.0,	4186610.0,	6.6,	6.6,	0.0);
(651725.0,	4186610.0,	6.7,	6.7,	0.0);	(651750.0,	4186610.0,	6.7,	6.7,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(651775.0,	4186610.0,	6.8,	6.8,	0.0);	(651475.0,	4186635.0,	6.4,	6.4,	0.0);
(651500.0,	4186635.0,	6.4,	6.4,	0.0);	(651525.0,	4186635.0,	6.4,	6.4,	0.0);
(651550.0,	4186635.0,	6.5,	6.5,	0.0);	(651575.0,	4186635.0,	6.5,	6.5,	0.0);
(651600.0,	4186635.0,	6.5,	6.5,	0.0);	(651625.0,	4186635.0,	6.5,	6.5,	0.0);
(651650.0,	4186635.0,	6.5,	6.5,	0.0);	(651675.0,	4186635.0,	6.6,	6.6,	0.0);
(651700.0,	4186635.0,	6.6,	6.6,	0.0);	(651725.0,	4186635.0,	6.7,	6.7,	0.0);
(651750.0,	4186635.0,	6.7,	6.7,	0.0);	(651775.0,	4186635.0,	6.8,	6.8,	0.0);
(651475.0,	4186660.0,	6.3,	6.3,	0.0);	(651500.0,	4186660.0,	6.4,	6.4,	0.0);
(651525.0,	4186660.0,	6.4,	6.4,	0.0);	(651700.0,	4186660.0,	6.6,	6.6,	0.0);
(651725.0,	4186660.0,	6.7,	6.7,	0.0);	(651750.0,	4186660.0,	6.7,	6.7,	0.0);
(651775.0,	4186660.0,	6.8,	6.8,	0.0);	(651475.0,	4186685.0,	6.3,	6.3,	0.0);
(651500.0,	4186685.0,	6.3,	6.3,	0.0);	(651525.0,	4186685.0,	6.4,	6.4,	0.0);
(651575.0,	4186685.0,	6.4,	6.4,	0.0);	(651600.0,	4186685.0,	6.5,	6.5,	0.0);
(651625.0,	4186685.0,	6.5,	6.5,	0.0);	(651650.0,	4186685.0,	6.5,	6.5,	0.0);
(651675.0,	4186685.0,	6.6,	6.6,	0.0);	(651700.0,	4186685.0,	6.6,	6.6,	0.0);
(651725.0,	4186685.0,	6.7,	6.7,	0.0);	(651750.0,	4186685.0,	6.7,	6.7,	0.0);
(651775.0,	4186685.0,	6.8,	6.8,	0.0);	(651475.0,	4186710.0,	6.3,	6.3,	0.0);
(651500.0,	4186710.0,	6.3,	6.3,	0.0);	(651525.0,	4186710.0,	6.4,	6.4,	0.0);
(651575.0,	4186710.0,	6.4,	6.4,	0.0);	(651600.0,	4186710.0,	6.5,	6.5,	0.0);
(651625.0,	4186710.0,	6.5,	6.5,	0.0);	(651650.0,	4186710.0,	6.5,	6.5,	0.0);
(651675.0,	4186710.0,	6.6,	6.6,	0.0);	(651700.0,	4186710.0,	6.6,	6.6,	0.0);
(651725.0,	4186710.0,	6.7,	6.7,	0.0);	(651750.0,	4186710.0,	6.7,	6.7,	0.0);
(651775.0,	4186710.0,	6.8,	6.8,	0.0);	(651700.0,	4186735.0,	6.6,	6.6,	0.0);
(651725.0,	4186735.0,	6.7,	6.7,	0.0);	(651750.0,	4186735.0,	6.7,	6.7,	0.0);
(651775.0,	4186735.0,	6.8,	6.8,	0.0);	(651475.0,	4186760.0,	6.3,	6.3,	0.0);
(651500.0,	4186760.0,	6.3,	6.3,	0.0);	(651525.0,	4186760.0,	6.4,	6.4,	0.0);
(651575.0,	4186760.0,	6.5,	6.5,	0.0);	(651600.0,	4186760.0,	6.5,	6.5,	0.0);
(651625.0,	4186760.0,	6.5,	6.5,	0.0);	(651650.0,	4186760.0,	6.6,	6.6,	0.0);
(651675.0,	4186760.0,	6.6,	6.6,	0.0);	(651700.0,	4186760.0,	6.7,	6.7,	0.0);
(651725.0,	4186760.0,	6.7,	6.7,	0.0);	(651750.0,	4186760.0,	6.7,	6.7,	0.0);
(651775.0,	4186760.0,	6.8,	6.8,	0.0);	(651475.0,	4186785.0,	6.3,	6.3,	0.0);
(651500.0,	4186785.0,	6.3,	6.3,	0.0);	(651525.0,	4186785.0,	6.4,	6.4,	0.0);
(651575.0,	4186785.0,	6.5,	6.5,	0.0);	(651600.0,	4186785.0,	6.5,	6.5,	0.0);
(651625.0,	4186785.0,	6.5,	6.5,	0.0);	(651650.0,	4186785.0,	6.6,	6.6,	0.0);
(651675.0,	4186785.0,	6.6,	6.6,	0.0);	(651700.0,	4186785.0,	6.7,	6.7,	0.0);
(651725.0,	4186785.0,	6.7,	6.7,	0.0);	(651750.0,	4186785.0,	6.7,	6.7,	0.0);
(651775.0,	4186785.0,	6.8,	6.8,	0.0);	(651575.0,	4186835.0,	6.5,	6.5,	0.0);
(651625.0,	4186835.0,	6.5,	6.5,	0.0);	(651650.0,	4186835.0,	6.6,	6.6,	0.0);
(651675.0,	4186835.0,	6.6,	6.6,	0.0);	(651700.0,	4186835.0,	6.7,	6.7,	0.0);
(651750.0,	4186835.0,	6.7,	6.7,	0.0);	(651775.0,	4186835.0,	6.8,	6.8,	0.0);
(651575.0,	4186860.0,	6.5,	6.5,	0.0);	(651625.0,	4186860.0,	6.5,	6.5,	0.0);
(651650.0,	4186860.0,	6.6,	6.6,	0.0);	(651675.0,	4186860.0,	6.6,	6.6,	0.0);
(651700.0,	4186860.0,	6.7,	6.7,	0.0);	(651750.0,	4186860.0,	6.7,	6.7,	0.0);
(651775.0,	4186860.0,	6.8,	6.8,	0.0);	(651575.0,	4186885.0,	6.4,	6.4,	0.0);
(651625.0,	4186885.0,	6.5,	6.5,	0.0);	(651650.0,	4186885.0,	6.5,	6.5,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(651675.0,	4186885.0,	6.6,	6.6,	0.0);	(651700.0,	4186885.0,	6.6,	6.6,	0.0);
(651750.0,	4186885.0,	6.7,	6.7,	0.0);	(651775.0,	4186885.0,	6.8,	6.8,	0.0);
(651575.0,	4186910.0,	6.4,	6.4,	0.0);	(651625.0,	4186910.0,	6.5,	6.5,	0.0);
(651650.0,	4186910.0,	6.5,	6.5,	0.0);	(651675.0,	4186910.0,	6.6,	6.6,	0.0);
(651700.0,	4186910.0,	6.6,	6.6,	0.0);	(651750.0,	4186910.0,	6.7,	6.7,	0.0);
(651775.0,	4186910.0,	6.8,	6.8,	0.0);	(651575.0,	4186935.0,	6.4,	6.4,	0.0);
(651625.0,	4186935.0,	6.5,	6.5,	0.0);	(651650.0,	4186935.0,	6.5,	6.5,	0.0);
(651675.0,	4186935.0,	6.6,	6.6,	0.0);	(651700.0,	4186935.0,	6.6,	6.6,	0.0);
(651750.0,	4186935.0,	6.7,	6.7,	0.0);	(651775.0,	4186935.0,	6.8,	6.8,	0.0);
(651575.0,	4186960.0,	6.4,	6.4,	0.0);	(651625.0,	4186960.0,	6.5,	6.5,	0.0);
(651650.0,	4186960.0,	6.5,	6.5,	0.0);	(651675.0,	4186960.0,	6.6,	6.6,	0.0);
(651700.0,	4186960.0,	6.6,	6.6,	0.0);	(651750.0,	4186960.0,	6.8,	6.8,	0.0);
(651575.0,	4186985.0,	6.4,	6.4,	0.0);	(651625.0,	4186985.0,	6.5,	6.5,	0.0);
(651650.0,	4186985.0,	6.5,	6.5,	0.0);	(651675.0,	4186985.0,	6.6,	6.6,	0.0);
(651700.0,	4186985.0,	6.6,	6.6,	0.0);	(651750.0,	4186985.0,	6.8,	6.8,	0.0);
(651575.0,	4187010.0,	6.4,	6.4,	0.0);	(651625.0,	4187010.0,	6.5,	6.5,	0.0);
(651650.0,	4187010.0,	6.5,	6.5,	0.0);	(651675.0,	4187010.0,	6.6,	6.6,	0.0);
(651700.0,	4187010.0,	6.6,	6.6,	0.0);	(651750.0,	4187010.0,	6.8,	6.8,	0.0);
(651575.0,	4187035.0,	6.4,	6.4,	0.0);	(651625.0,	4187035.0,	6.5,	6.5,	0.0);
(651650.0,	4187035.0,	6.6,	6.6,	0.0);	(651675.0,	4187035.0,	6.6,	6.6,	0.0);
(651700.0,	4187035.0,	6.7,	6.7,	0.0);	(651750.0,	4187035.0,	6.8,	6.8,	0.0);
(651575.0,	4187060.0,	6.4,	6.4,	0.0);	(651625.0,	4187060.0,	6.5,	6.5,	0.0);
(651650.0,	4187060.0,	6.6,	6.6,	0.0);	(651675.0,	4187060.0,	6.6,	6.6,	0.0);
(651700.0,	4187060.0,	6.7,	6.7,	0.0);	(651750.0,	4187060.0,	6.8,	6.8,	0.0);
(651575.0,	4187085.0,	6.4,	6.4,	0.0);	(651625.0,	4187085.0,	6.5,	6.5,	0.0);
(651650.0,	4187085.0,	6.6,	6.6,	0.0);	(651675.0,	4187085.0,	6.6,	6.6,	0.0);
(651700.0,	4187085.0,	6.7,	6.7,	0.0);	(651750.0,	4187085.0,	6.8,	6.8,	0.0);
(651475.0,	4187135.0,	6.2,	6.2,	0.0);	(651500.0,	4187135.0,	6.2,	6.2,	0.0);
(651525.0,	4187135.0,	6.3,	6.3,	0.0);	(651550.0,	4187135.0,	6.4,	6.4,	0.0);
(651575.0,	4187135.0,	6.4,	6.4,	0.0);	(651625.0,	4187135.0,	6.5,	6.5,	0.0);
(651650.0,	4187135.0,	6.6,	6.6,	0.0);	(651475.0,	4187160.0,	6.2,	6.2,	0.0);
(651500.0,	4187160.0,	6.3,	6.3,	0.0);	(651525.0,	4187160.0,	6.3,	6.3,	0.0);
(651550.0,	4187160.0,	6.4,	6.4,	0.0);	(651575.0,	4187160.0,	6.4,	6.4,	0.0);
(651625.0,	4187160.0,	6.5,	6.5,	0.0);	(651650.0,	4187160.0,	6.5,	6.5,	0.0);
(651475.0,	4187185.0,	6.2,	6.2,	0.0);	(651500.0,	4187185.0,	6.2,	6.2,	0.0);
(651525.0,	4187185.0,	6.3,	6.3,	0.0);	(651550.0,	4187185.0,	6.3,	6.3,	0.0);
(651575.0,	4187185.0,	6.4,	6.4,	0.0);	(651625.0,	4187185.0,	6.5,	6.5,	0.0);
(651650.0,	4187185.0,	6.5,	6.5,	0.0);	(651475.0,	4187210.0,	6.2,	6.2,	0.0);
(651500.0,	4187210.0,	6.2,	6.2,	0.0);	(651525.0,	4187210.0,	6.3,	6.3,	0.0);
(651550.0,	4187210.0,	6.3,	6.3,	0.0);	(651575.0,	4187210.0,	6.4,	6.4,	0.0);
(651625.0,	4187210.0,	6.5,	6.5,	0.0);	(651650.0,	4187210.0,	6.5,	6.5,	0.0);
(651475.0,	4187235.0,	6.2,	6.2,	0.0);	(651500.0,	4187235.0,	6.2,	6.2,	0.0);
(651525.0,	4187235.0,	6.3,	6.3,	0.0);	(651550.0,	4187235.0,	6.3,	6.3,	0.0);
(651575.0,	4187235.0,	6.4,	6.4,	0.0);	(651625.0,	4187235.0,	6.5,	6.5,	0.0);
(651650.0,	4187235.0,	6.5,	6.5,	0.0);	(651475.0,	4187260.0,	6.2,	6.2,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	651500.0,	4187260.0,	6.2,	6.2,	0.0);	(	651525.0,	4187260.0,	6.3,	6.3,	0.0);
(	651550.0,	4187260.0,	6.3,	6.3,	0.0);	(	651575.0,	4187260.0,	6.4,	6.4,	0.0);
(	651625.0,	4187260.0,	6.5,	6.5,	0.0);	(	651650.0,	4187260.0,	6.5,	6.5,	0.0);
(	651675.0,	4187260.0,	6.6,	6.6,	0.0);	(	651700.0,	4187260.0,	6.6,	6.6,	0.0);
(	651475.0,	4187285.0,	6.1,	6.1,	0.0);	(	651500.0,	4187285.0,	6.2,	6.2,	0.0);
(	651525.0,	4187285.0,	6.2,	6.2,	0.0);	(	651550.0,	4187285.0,	6.3,	6.3,	0.0);
(	651575.0,	4187285.0,	6.4,	6.4,	0.0);	(	651625.0,	4187285.0,	6.5,	6.5,	0.0);
(	651650.0,	4187285.0,	6.5,	6.5,	0.0);	(	651675.0,	4187285.0,	6.6,	6.6,	0.0);
(	651700.0,	4187285.0,	6.6,	6.6,	0.0);	(	651475.0,	4187310.0,	6.1,	6.1,	0.0);
(	651500.0,	4187310.0,	6.2,	6.2,	0.0);	(	651525.0,	4187310.0,	6.2,	6.2,	0.0);
(	651550.0,	4187310.0,	6.3,	6.3,	0.0);	(	651575.0,	4187310.0,	6.3,	6.3,	0.0);
(	651625.0,	4187310.0,	6.5,	6.5,	0.0);	(	651650.0,	4187310.0,	6.5,	6.5,	0.0);
(	651675.0,	4187310.0,	6.6,	6.6,	0.0);	(	651700.0,	4187310.0,	6.6,	6.6,	0.0);
(	651475.0,	4187335.0,	6.1,	6.1,	0.0);	(	651500.0,	4187335.0,	6.1,	6.1,	0.0);
(	651525.0,	4187335.0,	6.2,	6.2,	0.0);	(	651550.0,	4187335.0,	6.3,	6.3,	0.0);
(	651575.0,	4187335.0,	6.3,	6.3,	0.0);	(	651625.0,	4187335.0,	6.5,	6.5,	0.0);
(	651650.0,	4187335.0,	6.5,	6.5,	0.0);	(	651675.0,	4187335.0,	6.5,	6.5,	0.0);
(	651700.0,	4187335.0,	6.6,	6.6,	0.0);	(	651475.0,	4187360.0,	6.1,	6.1,	0.0);
(	651500.0,	4187360.0,	6.1,	6.1,	0.0);	(	651525.0,	4187360.0,	6.2,	6.2,	0.0);
(	651550.0,	4187360.0,	6.3,	6.3,	0.0);	(	651575.0,	4187360.0,	6.3,	6.3,	0.0);
(	651625.0,	4187360.0,	6.4,	6.4,	0.0);	(	651650.0,	4187360.0,	6.5,	6.5,	0.0);
(	651675.0,	4187360.0,	6.5,	6.5,	0.0);	(	651700.0,	4187360.0,	6.6,	6.6,	0.0);
(	651475.0,	4187385.0,	6.0,	6.0,	0.0);	(	651500.0,	4187385.0,	6.1,	6.1,	0.0);
(	651525.0,	4187385.0,	6.2,	6.2,	0.0);	(	651550.0,	4187385.0,	6.2,	6.2,	0.0);
(	651575.0,	4187385.0,	6.3,	6.3,	0.0);	(	651625.0,	4187385.0,	6.4,	6.4,	0.0);
(	651650.0,	4187385.0,	6.5,	6.5,	0.0);	(	651675.0,	4187385.0,	6.5,	6.5,	0.0);
(	651700.0,	4187385.0,	6.6,	6.6,	0.0);	(	651475.0,	4187410.0,	6.0,	6.0,	0.0);
(	651500.0,	4187410.0,	6.1,	6.1,	0.0);	(	651525.0,	4187410.0,	6.1,	6.1,	0.0);
(	651550.0,	4187410.0,	6.2,	6.2,	0.0);	(	651575.0,	4187410.0,	6.3,	6.3,	0.0);
(	651625.0,	4187410.0,	6.4,	6.4,	0.0);	(	651650.0,	4187410.0,	6.5,	6.5,	0.0);
(	651675.0,	4187410.0,	6.5,	6.5,	0.0);	(	651700.0,	4187410.0,	6.6,	6.6,	0.0);
(	651475.0,	4187435.0,	6.0,	6.0,	0.0);	(	651500.0,	4187435.0,	6.0,	6.0,	0.0);
(	651525.0,	4187435.0,	6.1,	6.1,	0.0);	(	651550.0,	4187435.0,	6.2,	6.2,	0.0);
(	651575.0,	4187435.0,	6.3,	6.3,	0.0);	(	651625.0,	4187435.0,	6.4,	6.4,	0.0);
(	651650.0,	4187435.0,	6.5,	6.5,	0.0);	(	651675.0,	4187435.0,	6.5,	6.5,	0.0);
(	651700.0,	4187435.0,	6.6,	6.6,	0.0);	(	651475.0,	4187460.0,	5.9,	5.9,	0.0);
(	651500.0,	4187460.0,	6.0,	6.0,	0.0);	(	651525.0,	4187460.0,	6.1,	6.1,	0.0);
(	651550.0,	4187460.0,	6.2,	6.2,	0.0);	(	651575.0,	4187460.0,	6.3,	6.3,	0.0);
(	651625.0,	4187460.0,	6.4,	6.4,	0.0);	(	651650.0,	4187460.0,	6.5,	6.5,	0.0);
(	651675.0,	4187460.0,	6.5,	6.5,	0.0);	(	651700.0,	4187460.0,	6.6,	6.6,	0.0);
(	651475.0,	4187485.0,	5.9,	5.9,	0.0);	(	651500.0,	4187485.0,	6.0,	6.0,	0.0);
(	651525.0,	4187485.0,	6.1,	6.1,	0.0);	(	651550.0,	4187485.0,	6.2,	6.2,	0.0);
(	651575.0,	4187485.0,	6.2,	6.2,	0.0);	(	651625.0,	4187485.0,	6.4,	6.4,	0.0);
(	651650.0,	4187485.0,	6.5,	6.5,	0.0);	(	651675.0,	4187485.0,	6.5,	6.5,	0.0);
(	651700.0,	4187485.0,	6.6,	6.6,	0.0);	(	651475.0,	4187510.0,	5.9,	5.9,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(651500.0,	4187510.0,	6.0,	6.0,	0.0);	(651525.0,	4187510.0,	6.1,	6.1,	0.0);
(651550.0,	4187510.0,	6.2,	6.2,	0.0);	(651575.0,	4187510.0,	6.2,	6.2,	0.0);
(651625.0,	4187510.0,	6.4,	6.4,	0.0);	(651650.0,	4187510.0,	6.5,	6.5,	0.0);
(651675.0,	4187510.0,	6.5,	6.5,	0.0);	(651700.0,	4187510.0,	6.6,	6.6,	0.0);
(651475.0,	4187535.0,	5.9,	5.9,	0.0);	(651500.0,	4187535.0,	6.0,	6.0,	0.0);
(651525.0,	4187535.0,	6.1,	6.1,	0.0);	(651550.0,	4187535.0,	6.1,	6.1,	0.0);
(651575.0,	4187535.0,	6.2,	6.2,	0.0);	(651625.0,	4187535.0,	6.4,	6.4,	0.0);
(651650.0,	4187535.0,	6.4,	6.4,	0.0);	(651675.0,	4187535.0,	6.5,	6.5,	0.0);
(651700.0,	4187535.0,	6.6,	6.6,	0.0);	(651475.0,	4187560.0,	5.9,	5.9,	0.0);
(651500.0,	4187560.0,	6.0,	6.0,	0.0);	(651525.0,	4187560.0,	6.1,	6.1,	0.0);
(651550.0,	4187560.0,	6.1,	6.1,	0.0);	(651575.0,	4187560.0,	6.2,	6.2,	0.0);
(651625.0,	4187560.0,	6.4,	6.4,	0.0);	(651650.0,	4187560.0,	6.4,	6.4,	0.0);
(651675.0,	4187560.0,	6.5,	6.5,	0.0);	(651700.0,	4187560.0,	6.6,	6.6,	0.0);
(651725.0,	4187560.0,	6.6,	6.6,	0.0);	(651750.0,	4187560.0,	6.7,	6.7,	0.0);
(651475.0,	4187585.0,	5.9,	5.9,	0.0);	(651500.0,	4187585.0,	6.0,	6.0,	0.0);
(651525.0,	4187585.0,	6.1,	6.1,	0.0);	(651550.0,	4187585.0,	6.1,	6.1,	0.0);
(651575.0,	4187585.0,	6.2,	6.2,	0.0);	(651625.0,	4187585.0,	6.3,	6.3,	0.0);
(651650.0,	4187585.0,	6.4,	6.4,	0.0);	(651675.0,	4187585.0,	6.5,	6.5,	0.0);
(651700.0,	4187585.0,	6.5,	6.5,	0.0);	(651725.0,	4187585.0,	6.6,	6.6,	0.0);
(651750.0,	4187585.0,	6.7,	6.7,	0.0);	(651475.0,	4187610.0,	6.0,	6.0,	0.0);
(651500.0,	4187610.0,	6.1,	6.1,	0.0);	(651525.0,	4187610.0,	6.1,	6.1,	0.0);
(651550.0,	4187610.0,	6.2,	6.2,	0.0);	(651575.0,	4187610.0,	6.2,	6.2,	0.0);
(651625.0,	4187610.0,	6.3,	6.3,	0.0);	(651650.0,	4187610.0,	6.4,	6.4,	0.0);
(651675.0,	4187610.0,	6.4,	6.4,	0.0);	(651700.0,	4187610.0,	6.5,	6.5,	0.0);
(651725.0,	4187610.0,	6.6,	6.6,	0.0);	(651750.0,	4187610.0,	6.7,	6.7,	0.0);
(651475.0,	4187635.0,	6.2,	6.2,	0.0);	(651500.0,	4187635.0,	6.2,	6.2,	0.0);
(651525.0,	4187635.0,	6.2,	6.2,	0.0);	(651550.0,	4187635.0,	6.2,	6.2,	0.0);
(651575.0,	4187635.0,	6.2,	6.2,	0.0);	(651625.0,	4187635.0,	6.3,	6.3,	0.0);
(651650.0,	4187635.0,	6.3,	6.3,	0.0);	(651675.0,	4187635.0,	6.4,	6.4,	0.0);
(651700.0,	4187635.0,	6.5,	6.5,	0.0);	(651725.0,	4187635.0,	6.6,	6.6,	0.0);
(651750.0,	4187635.0,	6.7,	6.7,	0.0);	(651475.0,	4187660.0,	6.5,	6.5,	0.0);
(651500.0,	4187660.0,	6.4,	6.4,	0.0);	(651525.0,	4187660.0,	6.3,	6.3,	0.0);
(651550.0,	4187660.0,	6.2,	6.2,	0.0);	(651575.0,	4187660.0,	6.2,	6.2,	0.0);
(651625.0,	4187660.0,	6.2,	6.2,	0.0);	(651650.0,	4187660.0,	6.3,	6.3,	0.0);
(651675.0,	4187660.0,	6.4,	6.4,	0.0);	(651700.0,	4187660.0,	6.5,	6.5,	0.0);
(651725.0,	4187660.0,	6.6,	6.6,	0.0);	(651750.0,	4187660.0,	6.6,	6.6,	0.0);
(651475.0,	4187685.0,	6.8,	6.8,	0.0);	(651500.0,	4187685.0,	6.7,	6.7,	0.0);
(651525.0,	4187685.0,	6.5,	6.5,	0.0);	(651550.0,	4187685.0,	6.3,	6.3,	0.0);
(651575.0,	4187685.0,	6.2,	6.2,	0.0);	(651625.0,	4187685.0,	6.2,	6.2,	0.0);
(651650.0,	4187685.0,	6.3,	6.3,	0.0);	(651675.0,	4187685.0,	6.3,	6.3,	0.0);
(651700.0,	4187685.0,	6.4,	6.4,	0.0);	(651725.0,	4187685.0,	6.5,	6.5,	0.0);
(651750.0,	4187685.0,	6.6,	6.6,	0.0);	(651475.0,	4187710.0,	6.8,	6.8,	0.0);
(651500.0,	4187710.0,	6.8,	6.8,	0.0);	(651525.0,	4187710.0,	6.6,	6.6,	0.0);
(651550.0,	4187710.0,	6.3,	6.3,	0.0);	(651575.0,	4187710.0,	6.2,	6.2,	0.0);
(651625.0,	4187710.0,	6.1,	6.1,	0.0);	(651650.0,	4187710.0,	6.2,	6.2,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(651675.0,	4187710.0,	6.2,	6.2,	0.0);	(651700.0,	4187710.0,	6.3,	6.3,	0.0);
(651725.0,	4187710.0,	6.4,	6.4,	0.0);	(651750.0,	4187710.0,	6.6,	6.6,	0.0);
(651475.0,	4187735.0,	6.9,	6.9,	0.0);	(651500.0,	4187735.0,	6.8,	6.8,	0.0);
(651525.0,	4187735.0,	6.6,	6.6,	0.0);	(651550.0,	4187735.0,	6.3,	6.3,	0.0);
(651575.0,	4187735.0,	6.2,	6.2,	0.0);	(651625.0,	4187735.0,	6.1,	6.1,	0.0);
(651650.0,	4187735.0,	6.1,	6.1,	0.0);	(651675.0,	4187735.0,	6.1,	6.1,	0.0);
(651700.0,	4187735.0,	6.1,	6.1,	0.0);	(651725.0,	4187735.0,	6.2,	6.2,	0.0);
(651750.0,	4187735.0,	6.5,	6.5,	0.0);	(651475.0,	4187760.0,	6.8,	6.8,	0.0);
(651500.0,	4187760.0,	6.7,	6.7,	0.0);	(651525.0,	4187760.0,	6.5,	6.5,	0.0);
(651550.0,	4187760.0,	6.3,	6.3,	0.0);	(651575.0,	4187760.0,	6.1,	6.1,	0.0);
(651625.0,	4187760.0,	5.9,	5.9,	0.0);	(651650.0,	4187760.0,	5.9,	5.9,	0.0);
(651675.0,	4187760.0,	5.9,	5.9,	0.0);	(651700.0,	4187760.0,	5.8,	5.8,	0.0);
(651725.0,	4187760.0,	5.9,	5.9,	0.0);	(651750.0,	4187760.0,	6.2,	6.2,	0.0);
(651475.0,	4187785.0,	6.5,	6.5,	0.0);	(651500.0,	4187785.0,	6.5,	6.5,	0.0);
(651525.0,	4187785.0,	6.4,	6.4,	0.0);	(651550.0,	4187785.0,	6.2,	6.2,	0.0);
(651575.0,	4187785.0,	6.0,	6.0,	0.0);	(651625.0,	4187785.0,	5.8,	5.8,	0.0);
(651650.0,	4187785.0,	5.7,	5.7,	0.0);	(651675.0,	4187785.0,	5.6,	5.6,	0.0);
(651700.0,	4187785.0,	5.5,	5.5,	0.0);	(651725.0,	4187785.0,	5.5,	5.5,	0.0);
(651750.0,	4187785.0,	5.8,	5.8,	0.0);	(651475.0,	4187810.0,	6.3,	6.3,	0.0);
(651500.0,	4187810.0,	6.2,	6.2,	0.0);	(651525.0,	4187810.0,	6.1,	6.1,	0.0);
(651550.0,	4187810.0,	6.0,	6.0,	0.0);	(651575.0,	4187810.0,	5.9,	5.9,	0.0);
(651625.0,	4187810.0,	5.7,	5.7,	0.0);	(651650.0,	4187810.0,	5.5,	5.5,	0.0);
(651675.0,	4187810.0,	5.5,	5.5,	0.0);	(651700.0,	4187810.0,	5.4,	5.4,	0.0);
(651725.0,	4187810.0,	5.4,	5.4,	0.0);	(651750.0,	4187810.0,	5.6,	5.6,	0.0);
(651475.0,	4187835.0,	6.0,	6.0,	0.0);	(651500.0,	4187835.0,	6.0,	6.0,	0.0);
(651525.0,	4187835.0,	5.9,	5.9,	0.0);	(651550.0,	4187835.0,	5.8,	5.8,	0.0);
(651575.0,	4187835.0,	5.7,	5.7,	0.0);	(651625.0,	4187835.0,	5.6,	5.6,	0.0);
(651650.0,	4187835.0,	5.5,	5.5,	0.0);	(651675.0,	4187835.0,	5.5,	5.5,	0.0);
(651700.0,	4187835.0,	5.4,	5.4,	0.0);	(651725.0,	4187835.0,	5.5,	5.5,	0.0);
(651750.0,	4187835.0,	5.8,	5.8,	0.0);	(651475.0,	4187860.0,	5.8,	5.8,	0.0);
(651500.0,	4187860.0,	5.8,	5.8,	0.0);	(651525.0,	4187860.0,	5.7,	5.7,	0.0);
(651550.0,	4187860.0,	5.6,	5.6,	0.0);	(651575.0,	4187860.0,	5.5,	5.5,	0.0);
(651625.0,	4187860.0,	5.5,	5.5,	0.0);	(651650.0,	4187860.0,	5.5,	5.5,	0.0);
(651675.0,	4187860.0,	5.5,	5.5,	0.0);	(651700.0,	4187860.0,	5.6,	5.6,	0.0);
(651725.0,	4187860.0,	5.7,	5.7,	0.0);	(651750.0,	4187860.0,	6.1,	6.1,	0.0);
(651475.0,	4187885.0,	5.7,	5.7,	0.0);	(651500.0,	4187885.0,	5.6,	5.6,	0.0);
(651525.0,	4187885.0,	5.5,	5.5,	0.0);	(651550.0,	4187885.0,	5.4,	5.4,	0.0);
(651575.0,	4187885.0,	5.3,	5.3,	0.0);	(651625.0,	4187885.0,	5.4,	5.4,	0.0);
(651650.0,	4187885.0,	5.4,	5.4,	0.0);	(651675.0,	4187885.0,	5.5,	5.5,	0.0);
(651700.0,	4187885.0,	5.6,	5.6,	0.0);	(651725.0,	4187885.0,	5.9,	5.9,	0.0);
(651750.0,	4187885.0,	6.2,	6.2,	0.0);	(651475.0,	4187910.0,	5.5,	5.5,	0.0);
(651500.0,	4187910.0,	5.5,	5.5,	0.0);	(651525.0,	4187910.0,	5.4,	5.4,	0.0);
(651550.0,	4187910.0,	5.3,	5.3,	0.0);	(651575.0,	4187910.0,	5.3,	5.3,	0.0);
(651625.0,	4187910.0,	5.3,	5.3,	0.0);	(651650.0,	4187910.0,	5.3,	5.3,	0.0);
(651675.0,	4187910.0,	5.3,	5.3,	0.0);	(651700.0,	4187910.0,	5.4,	5.4,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(651725.0,	4187910.0,	5.8,	5.8,	0.0);	(651750.0,	4187910.0,	6.3,	6.3,	0.0);
(651475.0,	4187935.0,	5.4,	5.4,	0.0);	(651500.0,	4187935.0,	5.4,	5.4,	0.0);
(651525.0,	4187935.0,	5.4,	5.4,	0.0);	(651550.0,	4187935.0,	5.3,	5.3,	0.0);
(651575.0,	4187935.0,	5.3,	5.3,	0.0);	(651625.0,	4187935.0,	5.3,	5.3,	0.0);
(651650.0,	4187935.0,	5.3,	5.3,	0.0);	(651675.0,	4187935.0,	5.3,	5.3,	0.0);
(651700.0,	4187935.0,	5.4,	5.4,	0.0);	(651725.0,	4187935.0,	5.8,	5.8,	0.0);
(651750.0,	4187935.0,	6.1,	6.1,	0.0);	(648794.0,	4183823.0,	9.1,	9.1,	0.0);
(648814.5,	4183840.5,	10.0,	10.0,	0.0);	(648821.4,	4183860.4,	10.2,	10.2,	0.0);
(648751.3,	4183835.2,	7.0,	7.0,	0.0);	(648764.2,	4183852.0,	7.3,	7.3,	0.0);
(648774.2,	4183868.0,	7.9,	7.9,	0.0);	(648789.4,	4183882.5,	8.1,	8.1,	0.0);
(648791.7,	4183768.2,	8.5,	8.5,	0.0);	(648813.0,	4183772.0,	8.9,	8.9,	0.0);
(648829.8,	4183781.9,	9.1,	9.1,	0.0);	(648711.7,	4183866.5,	7.0,	7.0,	0.0);
(648682.7,	4183885.5,	6.0,	6.0,	0.0);	(648664.4,	4183896.9,	5.9,	5.9,	0.0);

```
                                           *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                            (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1

               NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.


                                 *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                                         (METERS/SEC)

                                                1.54,   3.09,   5.14,   8.23,  10.80,
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Modesto_23258\Modesto_12-16 Met Version: 16216
Profile file: ..\..\..\..\metdata\San_Joaquin_Valley\AERMET_v16216\Modesto_23258\Modesto_12-16
Surface format: FREE
Profile format: FREE
Surface station no.: 23258 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2012 Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
12	01	01	1	01	-11.0	0.189	-9.000	-9.000	-999.	197.	56.0	0.06	0.91	1.00	2.86	91.	10.0	276.4	2.0
12	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.08	0.91	1.00	0.00	0.	10.0	276.4	2.0
12	01	01	1	03	-0.9	0.036	-9.000	-9.000	-999.	16.	4.7	0.10	0.91	1.00	0.83	158.	10.0	276.4	2.0
12	01	01	1	04	-0.7	0.032	-9.000	-9.000	-999.	14.	4.2	0.10	0.91	1.00	0.74	164.	10.0	276.4	2.0
12	01	01	1	05	-0.7	0.031	-9.000	-9.000	-999.	13.	3.8	0.06	0.91	1.00	0.79	94.	10.0	275.9	2.0
12	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.08	0.91	1.00	0.00	0.	10.0	275.4	2.0
12	01	01	1	07	-0.8	0.032	-9.000	-9.000	-999.	14.	4.0	0.06	0.91	1.00	0.84	132.	10.0	274.9	2.0
12	01	01	1	08	-1.7	0.048	-9.000	-9.000	-999.	25.	5.9	0.06	0.91	0.71	1.23	101.	10.0	275.9	2.0
12	01	01	1	09	-2.3	0.098	-9.000	-9.000	-999.	73.	37.1	0.06	0.91	0.38	1.59	104.	10.0	276.4	2.0
12	01	01	1	10	7.1	0.164	0.163	0.012	22.	159.	-56.6	0.06	0.91	0.27	1.94	102.	10.0	277.0	2.0
12	01	01	1	11	15.6	0.130	0.257	0.012	39.	113.	-12.8	0.06	0.91	0.23	1.37	121.	10.0	278.1	2.0
12	01	01	1	12	20.6	0.140	0.356	0.012	79.	126.	-12.2	0.06	0.91	0.21	1.47	135.	10.0	280.4	2.0
12	01	01	1	13	21.3	0.142	0.397	0.012	106.	129.	-12.3	0.06	0.91	0.21	1.48	94.	10.0	281.4	2.0
12	01	01	1	14	85.2	0.209	0.863	0.010	273.	230.	-9.7	0.09	0.91	0.22	1.91	89.	10.0	284.9	2.0
12	01	01	1	15	55.7	0.161	0.821	0.015	361.	156.	-6.8	0.09	0.91	0.26	1.40	67.	10.0	286.4	2.0
12	01	01	1	16	13.1	0.094	0.516	0.016	379.	70.	-5.8	0.06	0.91	0.35	0.89	99.	10.0	287.0	2.0
12	01	01	1	17	-2.7	0.054	-9.000	-9.000	-999.	30.	5.3	0.10	0.91	0.60	1.25	161.	10.0	283.8	2.0
12	01	01	1	18	-4.6	0.068	-9.000	-9.000	-999.	43.	6.4	0.10	0.91	1.00	1.59	261.	10.0	282.0	2.0
12	01	01	1	19	-3.1	0.054	-9.000	-9.000	-999.	31.	4.8	0.06	0.91	1.00	1.42	291.	10.0	280.4	2.0
12	01	01	1	20	-0.9	0.030	-9.000	-9.000	-999.	12.	2.7	0.07	0.91	1.00	0.75	306.	10.0	278.8	2.0
12	01	01	1	21	-1.1	0.038	-9.000	-9.000	-999.	18.	4.7	0.06	0.91	1.00	0.99	94.	10.0	276.4	2.0
12	01	01	1	22	-2.2	0.054	-9.000	-9.000	-999.	30.	6.7	0.06	0.91	1.00	1.40	106.	10.0	275.4	2.0
12	01	01	1	23	-2.4	0.057	-9.000	-9.000	-999.	33.	7.0	0.06	0.91	1.00	1.48	124.	10.0	275.4	2.0
12	01	01	1	24	-6.5	0.080	-9.000	-9.000	-999.	54.	7.1	0.06	0.91	1.00	2.06	111.	10.0	275.9	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	10.0	1	91.	2.86	276.5	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651550.00	4188000.00	0.00060	651575.00	4188000.00	0.00063
651600.00	4188000.00	0.00067	651625.00	4188000.00	0.00072
651650.00	4188000.00	0.00078	651675.00	4188000.00	0.00084
651700.00	4188000.00	0.00092	651725.00	4188000.00	0.00101
651550.00	4188025.00	0.00060	651575.00	4188025.00	0.00063
651600.00	4188025.00	0.00067	651625.00	4188025.00	0.00072
651650.00	4188025.00	0.00078	651675.00	4188025.00	0.00084
651700.00	4188025.00	0.00092	651725.00	4188025.00	0.00101
651550.00	4188050.00	0.00060	651575.00	4188050.00	0.00063
651600.00	4188050.00	0.00067	651625.00	4188050.00	0.00072
651650.00	4188050.00	0.00078	651675.00	4188050.00	0.00084
651700.00	4188050.00	0.00092	651725.00	4188050.00	0.00102
651425.00	4188075.00	0.00047	651450.00	4188075.00	0.00049
651475.00	4188075.00	0.00051	651500.00	4188075.00	0.00054
651525.00	4188075.00	0.00057	651550.00	4188075.00	0.00060
651575.00	4188075.00	0.00063	651600.00	4188075.00	0.00067
651625.00	4188075.00	0.00072	651650.00	4188075.00	0.00078
651675.00	4188075.00	0.00084	651700.00	4188075.00	0.00092
651725.00	4188075.00	0.00102	651425.00	4188100.00	0.00047
651450.00	4188100.00	0.00049	651475.00	4188100.00	0.00051
651500.00	4188100.00	0.00054	651525.00	4188100.00	0.00057
651550.00	4188100.00	0.00060	651575.00	4188100.00	0.00063
651600.00	4188100.00	0.00067	651625.00	4188100.00	0.00072
651650.00	4188100.00	0.00078	651675.00	4188100.00	0.00084
651700.00	4188100.00	0.00092	651725.00	4188100.00	0.00102
651425.00	4188125.00	0.00047	651450.00	4188125.00	0.00049
651475.00	4188125.00	0.00051	651500.00	4188125.00	0.00054
651525.00	4188125.00	0.00057	651550.00	4188125.00	0.00060
651575.00	4188125.00	0.00063	651600.00	4188125.00	0.00067
651625.00	4188125.00	0.00072	651650.00	4188125.00	0.00078
651675.00	4188125.00	0.00084	651700.00	4188125.00	0.00092
651725.00	4188125.00	0.00102	651425.00	4188150.00	0.00047
651450.00	4188150.00	0.00049	651475.00	4188150.00	0.00051
651500.00	4188150.00	0.00054	651525.00	4188150.00	0.00057
651550.00	4188150.00	0.00060	651575.00	4188150.00	0.00063
651600.00	4188150.00	0.00067	651625.00	4188150.00	0.00072
651650.00	4188150.00	0.00078	651675.00	4188150.00	0.00084
651700.00	4188150.00	0.00092	651725.00	4188150.00	0.00102
651425.00	4188175.00	0.00047	651450.00	4188175.00	0.00049
651475.00	4188175.00	0.00051	651500.00	4188175.00	0.00054

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651525.00	4188175.00	0.00057	651550.00	4188175.00	0.00060
651575.00	4188175.00	0.00063	651600.00	4188175.00	0.00067
651625.00	4188175.00	0.00072	651650.00	4188175.00	0.00078
651675.00	4188175.00	0.00084	651700.00	4188175.00	0.00092
651725.00	4188175.00	0.00102	651425.00	4188200.00	0.00047
651450.00	4188200.00	0.00049	651475.00	4188200.00	0.00051
651500.00	4188200.00	0.00054	651525.00	4188200.00	0.00057
651550.00	4188200.00	0.00060	651575.00	4188200.00	0.00063
651600.00	4188200.00	0.00067	651625.00	4188200.00	0.00072
651650.00	4188200.00	0.00078	651675.00	4188200.00	0.00084
651700.00	4188200.00	0.00092	651725.00	4188200.00	0.00102
651425.00	4188225.00	0.00047	651450.00	4188225.00	0.00049
651475.00	4188225.00	0.00051	651500.00	4188225.00	0.00054
651525.00	4188225.00	0.00057	651550.00	4188225.00	0.00060
651575.00	4188225.00	0.00064	651600.00	4188225.00	0.00068
651625.00	4188225.00	0.00073	651650.00	4188225.00	0.00078
651675.00	4188225.00	0.00085	651700.00	4188225.00	0.00093
651725.00	4188225.00	0.00104	651425.00	4188250.00	0.00047
651450.00	4188250.00	0.00049	651475.00	4188250.00	0.00051
651500.00	4188250.00	0.00054	651525.00	4188250.00	0.00057
651550.00	4188250.00	0.00060	651575.00	4188250.00	0.00064
651600.00	4188250.00	0.00068	651625.00	4188250.00	0.00073
651650.00	4188250.00	0.00079	651675.00	4188250.00	0.00085
651700.00	4188250.00	0.00094	651725.00	4188250.00	0.00105
651425.00	4188275.00	0.00047	651450.00	4188275.00	0.00049
651475.00	4188275.00	0.00051	651500.00	4188275.00	0.00054
651525.00	4188275.00	0.00057	651550.00	4188275.00	0.00060
651575.00	4188275.00	0.00064	651600.00	4188275.00	0.00068
651625.00	4188275.00	0.00073	651650.00	4188275.00	0.00079
651675.00	4188275.00	0.00086	651700.00	4188275.00	0.00094
651725.00	4188275.00	0.00105	651425.00	4188300.00	0.00047
651450.00	4188300.00	0.00049	651475.00	4188300.00	0.00051
651500.00	4188300.00	0.00054	651525.00	4188300.00	0.00057
651550.00	4188300.00	0.00060	651575.00	4188300.00	0.00064
651600.00	4188300.00	0.00068	651625.00	4188300.00	0.00073
651650.00	4188300.00	0.00079	651675.00	4188300.00	0.00086
651700.00	4188300.00	0.00094	651725.00	4188300.00	0.00105
651425.00	4188325.00	0.00047	651450.00	4188325.00	0.00049
651475.00	4188325.00	0.00051	651500.00	4188325.00	0.00054
651525.00	4188325.00	0.00057	651550.00	4188325.00	0.00060

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651575.00	4188325.00	0.00064	651600.00	4188325.00	0.00068
651625.00	4188325.00	0.00073	651650.00	4188325.00	0.00079
651675.00	4188325.00	0.00086	651700.00	4188325.00	0.00094
651725.00	4188325.00	0.00105	651425.00	4188350.00	0.00047
651450.00	4188350.00	0.00049	651475.00	4188350.00	0.00051
651500.00	4188350.00	0.00054	651525.00	4188350.00	0.00057
651550.00	4188350.00	0.00060	651575.00	4188350.00	0.00064
651600.00	4188350.00	0.00068	651625.00	4188350.00	0.00073
651650.00	4188350.00	0.00079	651675.00	4188350.00	0.00086
651700.00	4188350.00	0.00094	651725.00	4188350.00	0.00105
651425.00	4188375.00	0.00047	651450.00	4188375.00	0.00049
651475.00	4188375.00	0.00051	651500.00	4188375.00	0.00054
651525.00	4188375.00	0.00057	651550.00	4188375.00	0.00060
651575.00	4188375.00	0.00064	651600.00	4188375.00	0.00068
651625.00	4188375.00	0.00073	651650.00	4188375.00	0.00079
651675.00	4188375.00	0.00086	651700.00	4188375.00	0.00094
651725.00	4188375.00	0.00105	651425.00	4188400.00	0.00047
651450.00	4188400.00	0.00049	651475.00	4188400.00	0.00051
651500.00	4188400.00	0.00054	651525.00	4188400.00	0.00057
651550.00	4188400.00	0.00060	651575.00	4188400.00	0.00063
651600.00	4188400.00	0.00068	651625.00	4188400.00	0.00073
651650.00	4188400.00	0.00078	651675.00	4188400.00	0.00085
651700.00	4188400.00	0.00093	651725.00	4188400.00	0.00104
651425.00	4188425.00	0.00047	651450.00	4188425.00	0.00049
651475.00	4188425.00	0.00051	651500.00	4188425.00	0.00054
651525.00	4188425.00	0.00056	651550.00	4188425.00	0.00060
651575.00	4188425.00	0.00063	651600.00	4188425.00	0.00067
651625.00	4188425.00	0.00072	651650.00	4188425.00	0.00078
651675.00	4188425.00	0.00085	651700.00	4188425.00	0.00093
651725.00	4188425.00	0.00103	651425.00	4188450.00	0.00047
651450.00	4188450.00	0.00049	651475.00	4188450.00	0.00051
651500.00	4188450.00	0.00053	651525.00	4188450.00	0.00056
651550.00	4188450.00	0.00060	651575.00	4188450.00	0.00063
651600.00	4188450.00	0.00067	651625.00	4188450.00	0.00072
651650.00	4188450.00	0.00078	651675.00	4188450.00	0.00084
651700.00	4188450.00	0.00092	651725.00	4188450.00	0.00102
651425.00	4188475.00	0.00047	651450.00	4188475.00	0.00049
651475.00	4188475.00	0.00051	651500.00	4188475.00	0.00053
651525.00	4188475.00	0.00056	651550.00	4188475.00	0.00059
651575.00	4188475.00	0.00063	651600.00	4188475.00	0.00067

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651625.00	4188475.00	0.00072	651650.00	4188475.00	0.00078
651675.00	4188475.00	0.00084	651700.00	4188475.00	0.00092
651725.00	4188475.00	0.00102	651425.00	4188500.00	0.00047
651450.00	4188500.00	0.00049	651475.00	4188500.00	0.00051
651500.00	4188500.00	0.00053	651525.00	4188500.00	0.00056
651550.00	4188500.00	0.00059	651575.00	4188500.00	0.00063
651600.00	4188500.00	0.00067	651625.00	4188500.00	0.00072
651650.00	4188500.00	0.00077	651675.00	4188500.00	0.00084
651700.00	4188500.00	0.00092	651725.00	4188500.00	0.00102
651425.00	4188525.00	0.00046	651450.00	4188525.00	0.00049
651475.00	4188525.00	0.00051	651500.00	4188525.00	0.00053
651525.00	4188525.00	0.00056	651550.00	4188525.00	0.00059
651575.00	4188525.00	0.00063	651600.00	4188525.00	0.00067
651625.00	4188525.00	0.00072	651650.00	4188525.00	0.00077
651675.00	4188525.00	0.00084	651700.00	4188525.00	0.00092
651725.00	4188525.00	0.00102	651425.00	4188550.00	0.00046
651450.00	4188550.00	0.00048	651475.00	4188550.00	0.00051
651500.00	4188550.00	0.00053	651525.00	4188550.00	0.00056
651550.00	4188550.00	0.00059	651575.00	4188550.00	0.00063
651600.00	4188550.00	0.00067	651625.00	4188550.00	0.00072
651650.00	4188550.00	0.00077	651675.00	4188550.00	0.00084
651700.00	4188550.00	0.00092	651725.00	4188550.00	0.00102
651425.00	4188575.00	0.00046	651450.00	4188575.00	0.00048
651475.00	4188575.00	0.00051	651500.00	4188575.00	0.00053
651525.00	4188575.00	0.00056	651550.00	4188575.00	0.00059
651575.00	4188575.00	0.00063	651600.00	4188575.00	0.00067
651625.00	4188575.00	0.00072	651650.00	4188575.00	0.00077
651675.00	4188575.00	0.00084	651700.00	4188575.00	0.00092
651725.00	4188575.00	0.00102	651425.00	4188600.00	0.00046
651450.00	4188600.00	0.00048	651475.00	4188600.00	0.00051
651500.00	4188600.00	0.00053	651525.00	4188600.00	0.00056
651550.00	4188600.00	0.00059	651575.00	4188600.00	0.00063
651600.00	4188600.00	0.00067	651625.00	4188600.00	0.00072
651650.00	4188600.00	0.00077	651675.00	4188600.00	0.00084
651700.00	4188600.00	0.00092	651725.00	4188600.00	0.00102
651425.00	4188625.00	0.00046	651450.00	4188625.00	0.00048
651475.00	4188625.00	0.00051	651500.00	4188625.00	0.00053
651525.00	4188625.00	0.00056	651550.00	4188625.00	0.00059
651575.00	4188625.00	0.00063	651600.00	4188625.00	0.00067
651625.00	4188625.00	0.00072	651650.00	4188625.00	0.00077

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651675.00	4188625.00	0.00084	651700.00	4188625.00	0.00092
651725.00	4188625.00	0.00102	651425.00	4188650.00	0.00046
651450.00	4188650.00	0.00048	651475.00	4188650.00	0.00051
651500.00	4188650.00	0.00053	651525.00	4188650.00	0.00056
651550.00	4188650.00	0.00059	651575.00	4188650.00	0.00063
651600.00	4188650.00	0.00067	651625.00	4188650.00	0.00072
651650.00	4188650.00	0.00077	651675.00	4188650.00	0.00084
651700.00	4188650.00	0.00092	651725.00	4188650.00	0.00102
651425.00	4188675.00	0.00046	651450.00	4188675.00	0.00048
651475.00	4188675.00	0.00051	651500.00	4188675.00	0.00053
651525.00	4188675.00	0.00056	651550.00	4188675.00	0.00059
651575.00	4188675.00	0.00063	651600.00	4188675.00	0.00067
651625.00	4188675.00	0.00072	651650.00	4188675.00	0.00077
651675.00	4188675.00	0.00084	651700.00	4188675.00	0.00092
651725.00	4188675.00	0.00103	651425.00	4188700.00	0.00046
651450.00	4188700.00	0.00048	651475.00	4188700.00	0.00051
651500.00	4188700.00	0.00053	651525.00	4188700.00	0.00056
651550.00	4188700.00	0.00059	651575.00	4188700.00	0.00063
651600.00	4188700.00	0.00067	651625.00	4188700.00	0.00072
651650.00	4188700.00	0.00078	651675.00	4188700.00	0.00084
651700.00	4188700.00	0.00093	651725.00	4188700.00	0.00103
651425.00	4188725.00	0.00046	651450.00	4188725.00	0.00048
651475.00	4188725.00	0.00051	651500.00	4188725.00	0.00053
651525.00	4188725.00	0.00056	651550.00	4188725.00	0.00059
651575.00	4188725.00	0.00063	651600.00	4188725.00	0.00067
651625.00	4188725.00	0.00072	651650.00	4188725.00	0.00078
651675.00	4188725.00	0.00085	651700.00	4188725.00	0.00093
651725.00	4188725.00	0.00103	651425.00	4188750.00	0.00046
651450.00	4188750.00	0.00048	651475.00	4188750.00	0.00051
651500.00	4188750.00	0.00053	651525.00	4188750.00	0.00056
651550.00	4188750.00	0.00059	651575.00	4188750.00	0.00063
651600.00	4188750.00	0.00067	651625.00	4188750.00	0.00072
651650.00	4188750.00	0.00078	651675.00	4188750.00	0.00085
651700.00	4188750.00	0.00093	651725.00	4188750.00	0.00103
651425.00	4188775.00	0.00046	651450.00	4188775.00	0.00048
651475.00	4188775.00	0.00051	651500.00	4188775.00	0.00053
651525.00	4188775.00	0.00056	651550.00	4188775.00	0.00059
651575.00	4188775.00	0.00063	651600.00	4188775.00	0.00067
651625.00	4188775.00	0.00072	651650.00	4188775.00	0.00078
651675.00	4188775.00	0.00085	651700.00	4188775.00	0.00093

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651725.00	4188775.00	0.00104	651425.00	4188800.00	0.00046
651450.00	4188800.00	0.00048	651475.00	4188800.00	0.00051
651500.00	4188800.00	0.00053	651525.00	4188800.00	0.00056
651550.00	4188800.00	0.00059	651575.00	4188800.00	0.00063
651600.00	4188800.00	0.00067	651625.00	4188800.00	0.00072
651650.00	4188800.00	0.00078	651675.00	4188800.00	0.00085
651700.00	4188800.00	0.00093	651725.00	4188800.00	0.00103
651425.00	4188825.00	0.00046	651450.00	4188825.00	0.00048
651475.00	4188825.00	0.00051	651500.00	4188825.00	0.00053
651525.00	4188825.00	0.00056	651550.00	4188825.00	0.00059
651575.00	4188825.00	0.00063	651600.00	4188825.00	0.00067
651625.00	4188825.00	0.00072	651650.00	4188825.00	0.00078
651675.00	4188825.00	0.00085	651700.00	4188825.00	0.00093
651725.00	4188825.00	0.00103	651425.00	4188850.00	0.00046
651450.00	4188850.00	0.00048	651475.00	4188850.00	0.00051
651500.00	4188850.00	0.00053	651525.00	4188850.00	0.00056
651550.00	4188850.00	0.00059	651575.00	4188850.00	0.00063
651600.00	4188850.00	0.00067	651625.00	4188850.00	0.00072
651650.00	4188850.00	0.00078	651675.00	4188850.00	0.00085
651700.00	4188850.00	0.00093	651725.00	4188850.00	0.00104
651425.00	4188875.00	0.00046	651450.00	4188875.00	0.00048
651475.00	4188875.00	0.00051	651500.00	4188875.00	0.00053
651525.00	4188875.00	0.00056	651550.00	4188875.00	0.00059
651575.00	4188875.00	0.00063	651600.00	4188875.00	0.00067
651625.00	4188875.00	0.00072	651650.00	4188875.00	0.00078
651675.00	4188875.00	0.00085	651700.00	4188875.00	0.00093
651725.00	4188875.00	0.00104	651425.00	4188900.00	0.00046
651450.00	4188900.00	0.00048	651475.00	4188900.00	0.00051
651500.00	4188900.00	0.00053	651525.00	4188900.00	0.00056
651550.00	4188900.00	0.00059	651575.00	4188900.00	0.00063
651600.00	4188900.00	0.00067	651625.00	4188900.00	0.00072
651650.00	4188900.00	0.00078	651675.00	4188900.00	0.00085
651700.00	4188900.00	0.00093	651725.00	4188900.00	0.00104
651425.00	4188925.00	0.00046	651450.00	4188925.00	0.00048
651475.00	4188925.00	0.00051	651500.00	4188925.00	0.00053
651525.00	4188925.00	0.00056	651550.00	4188925.00	0.00059
651575.00	4188925.00	0.00063	651600.00	4188925.00	0.00067
651625.00	4188925.00	0.00072	651650.00	4188925.00	0.00078
651675.00	4188925.00	0.00085	651700.00	4188925.00	0.00093
651725.00	4188925.00	0.00104	651425.00	4188950.00	0.00046

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651450.00	4188950.00	0.00048	651475.00	4188950.00	0.00051
651500.00	4188950.00	0.00053	651525.00	4188950.00	0.00056
651550.00	4188950.00	0.00059	651575.00	4188950.00	0.00063
651600.00	4188950.00	0.00067	651625.00	4188950.00	0.00072
651650.00	4188950.00	0.00078	651675.00	4188950.00	0.00085
651700.00	4188950.00	0.00094	651725.00	4188950.00	0.00104
651425.00	4188975.00	0.00046	651450.00	4188975.00	0.00048
651475.00	4188975.00	0.00051	651500.00	4188975.00	0.00053
651525.00	4188975.00	0.00056	651550.00	4188975.00	0.00059
651575.00	4188975.00	0.00063	651600.00	4188975.00	0.00067
651625.00	4188975.00	0.00073	651650.00	4188975.00	0.00078
651675.00	4188975.00	0.00085	651700.00	4188975.00	0.00094
651725.00	4188975.00	0.00105	651425.00	4189000.00	0.00046
651450.00	4189000.00	0.00048	651475.00	4189000.00	0.00051
651500.00	4189000.00	0.00053	651525.00	4189000.00	0.00056
651550.00	4189000.00	0.00059	651575.00	4189000.00	0.00063
651600.00	4189000.00	0.00067	651625.00	4189000.00	0.00073
651650.00	4189000.00	0.00079	651675.00	4189000.00	0.00086
651700.00	4189000.00	0.00095	651725.00	4189000.00	0.00106
651425.00	4189025.00	0.00046	651450.00	4189025.00	0.00048
651475.00	4189025.00	0.00051	651500.00	4189025.00	0.00053
651525.00	4189025.00	0.00056	651550.00	4189025.00	0.00059
651575.00	4189025.00	0.00063	651600.00	4189025.00	0.00067
651625.00	4189025.00	0.00072	651650.00	4189025.00	0.00079
651675.00	4189025.00	0.00086	651700.00	4189025.00	0.00095
651725.00	4189025.00	0.00107	651425.00	4189050.00	0.00046
651450.00	4189050.00	0.00048	651475.00	4189050.00	0.00051
651500.00	4189050.00	0.00053	651525.00	4189050.00	0.00056
651550.00	4189050.00	0.00059	651575.00	4189050.00	0.00063
651600.00	4189050.00	0.00067	651625.00	4189050.00	0.00072
651650.00	4189050.00	0.00078	651675.00	4189050.00	0.00086
651700.00	4189050.00	0.00095	651725.00	4189050.00	0.00106
651425.00	4189075.00	0.00046	651450.00	4189075.00	0.00048
651475.00	4189075.00	0.00051	651500.00	4189075.00	0.00053
651525.00	4189075.00	0.00056	651550.00	4189075.00	0.00059
651575.00	4189075.00	0.00063	651600.00	4189075.00	0.00067
651625.00	4189075.00	0.00072	651650.00	4189075.00	0.00078
651675.00	4189075.00	0.00085	651700.00	4189075.00	0.00094
651725.00	4189075.00	0.00105	651425.00	4189100.00	0.00046
651450.00	4189100.00	0.00048	651475.00	4189100.00	0.00051

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651500.00	4189100.00	0.00053	651525.00	4189100.00	0.00056
651550.00	4189100.00	0.00059	651575.00	4189100.00	0.00063
651600.00	4189100.00	0.00067	651625.00	4189100.00	0.00072
651650.00	4189100.00	0.00078	651675.00	4189100.00	0.00085
651700.00	4189100.00	0.00094	651725.00	4189100.00	0.00105
651425.00	4189125.00	0.00046	651450.00	4189125.00	0.00048
651475.00	4189125.00	0.00051	651500.00	4189125.00	0.00053
651525.00	4189125.00	0.00056	651550.00	4189125.00	0.00059
651575.00	4189125.00	0.00063	651600.00	4189125.00	0.00067
651625.00	4189125.00	0.00072	651650.00	4189125.00	0.00078
651675.00	4189125.00	0.00085	651700.00	4189125.00	0.00094
651725.00	4189125.00	0.00105	651425.00	4189150.00	0.00046
651450.00	4189150.00	0.00048	651475.00	4189150.00	0.00051
651500.00	4189150.00	0.00053	651525.00	4189150.00	0.00056
651550.00	4189150.00	0.00060	651575.00	4189150.00	0.00063
651600.00	4189150.00	0.00068	651625.00	4189150.00	0.00073
651650.00	4189150.00	0.00079	651675.00	4189150.00	0.00086
651700.00	4189150.00	0.00095	651725.00	4189150.00	0.00106
651425.00	4189175.00	0.00046	651450.00	4189175.00	0.00048
651475.00	4189175.00	0.00051	651500.00	4189175.00	0.00053
651525.00	4189175.00	0.00056	651550.00	4189175.00	0.00060
651575.00	4189175.00	0.00063	651600.00	4189175.00	0.00068
651625.00	4189175.00	0.00073	651650.00	4189175.00	0.00079
651675.00	4189175.00	0.00087	651700.00	4189175.00	0.00096
651725.00	4189175.00	0.00107	651425.00	4189200.00	0.00046
651450.00	4189200.00	0.00048	651475.00	4189200.00	0.00051
651500.00	4189200.00	0.00053	651525.00	4189200.00	0.00056
651550.00	4189200.00	0.00060	651575.00	4189200.00	0.00064
651600.00	4189200.00	0.00068	651625.00	4189200.00	0.00073
651650.00	4189200.00	0.00080	651675.00	4189200.00	0.00087
651700.00	4189200.00	0.00097	651725.00	4189200.00	0.00109
651425.00	4189225.00	0.00046	651450.00	4189225.00	0.00048
651475.00	4189225.00	0.00051	651500.00	4189225.00	0.00053
651525.00	4189225.00	0.00056	651550.00	4189225.00	0.00060
651575.00	4189225.00	0.00064	651600.00	4189225.00	0.00068
651625.00	4189225.00	0.00073	651650.00	4189225.00	0.00080
651675.00	4189225.00	0.00088	651700.00	4189225.00	0.00097
651725.00	4189225.00	0.00110	651425.00	4189250.00	0.00046
651450.00	4189250.00	0.00048	651475.00	4189250.00	0.00051
651500.00	4189250.00	0.00053	651525.00	4189250.00	0.00056

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651550.00	4189250.00	0.00060	651575.00	4189250.00	0.00064
651600.00	4189250.00	0.00068	651625.00	4189250.00	0.00074
651650.00	4189250.00	0.00080	651675.00	4189250.00	0.00088
651700.00	4189250.00	0.00098	651725.00	4189250.00	0.00110
651425.00	4189275.00	0.00046	651450.00	4189275.00	0.00048
651475.00	4189275.00	0.00051	651500.00	4189275.00	0.00053
651525.00	4189275.00	0.00056	651550.00	4189275.00	0.00060
651575.00	4189275.00	0.00064	651600.00	4189275.00	0.00068
651625.00	4189275.00	0.00074	651650.00	4189275.00	0.00080
651675.00	4189275.00	0.00088	651700.00	4189275.00	0.00097
651725.00	4189275.00	0.00110	651425.00	4189300.00	0.00046
651450.00	4189300.00	0.00048	651475.00	4189300.00	0.00051
651500.00	4189300.00	0.00053	651525.00	4189300.00	0.00056
651550.00	4189300.00	0.00060	651575.00	4189300.00	0.00064
651600.00	4189300.00	0.00068	651625.00	4189300.00	0.00074
651650.00	4189300.00	0.00080	651675.00	4189300.00	0.00088
651700.00	4189300.00	0.00098	651725.00	4189300.00	0.00110
651425.00	4189325.00	0.00046	651450.00	4189325.00	0.00048
651475.00	4189325.00	0.00051	651500.00	4189325.00	0.00053
651525.00	4189325.00	0.00056	651550.00	4189325.00	0.00060
651575.00	4189325.00	0.00064	651600.00	4189325.00	0.00068
651625.00	4189325.00	0.00074	651650.00	4189325.00	0.00080
651675.00	4189325.00	0.00088	651700.00	4189325.00	0.00098
651725.00	4189325.00	0.00110	651425.00	4189350.00	0.00046
651450.00	4189350.00	0.00048	651475.00	4189350.00	0.00051
651500.00	4189350.00	0.00053	651525.00	4189350.00	0.00056
651550.00	4189350.00	0.00060	651575.00	4189350.00	0.00064
651600.00	4189350.00	0.00068	651625.00	4189350.00	0.00074
651650.00	4189350.00	0.00080	651675.00	4189350.00	0.00088
651700.00	4189350.00	0.00098	651725.00	4189350.00	0.00110
651425.00	4189375.00	0.00046	651450.00	4189375.00	0.00048
651475.00	4189375.00	0.00051	651500.00	4189375.00	0.00053
651525.00	4189375.00	0.00056	651550.00	4189375.00	0.00060
651575.00	4189375.00	0.00064	651600.00	4189375.00	0.00068
651625.00	4189375.00	0.00074	651650.00	4189375.00	0.00080
651675.00	4189375.00	0.00088	651700.00	4189375.00	0.00098
651725.00	4189375.00	0.00110	651425.00	4189400.00	0.00046
651450.00	4189400.00	0.00048	651475.00	4189400.00	0.00051
651500.00	4189400.00	0.00053	651525.00	4189400.00	0.00056
651550.00	4189400.00	0.00060	651575.00	4189400.00	0.00064

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651600.00	4189400.00	0.00068	651625.00	4189400.00	0.00074
651650.00	4189400.00	0.00080	651675.00	4189400.00	0.00088
651700.00	4189400.00	0.00098	651725.00	4189400.00	0.00111
651425.00	4189425.00	0.00046	651450.00	4189425.00	0.00048
651475.00	4189425.00	0.00051	651500.00	4189425.00	0.00053
651525.00	4189425.00	0.00056	651550.00	4189425.00	0.00060
651575.00	4189425.00	0.00064	651600.00	4189425.00	0.00068
651625.00	4189425.00	0.00074	651650.00	4189425.00	0.00080
651675.00	4189425.00	0.00088	651700.00	4189425.00	0.00098
651725.00	4189425.00	0.00110	651425.00	4189450.00	0.00046
651450.00	4189450.00	0.00048	651475.00	4189450.00	0.00051
651500.00	4189450.00	0.00053	651525.00	4189450.00	0.00056
651550.00	4189450.00	0.00060	651575.00	4189450.00	0.00064
651600.00	4189450.00	0.00068	651625.00	4189450.00	0.00074
651650.00	4189450.00	0.00080	651675.00	4189450.00	0.00088
651700.00	4189450.00	0.00098	651725.00	4189450.00	0.00110
651425.00	4189475.00	0.00046	651450.00	4189475.00	0.00048
651475.00	4189475.00	0.00050	651500.00	4189475.00	0.00053
651525.00	4189475.00	0.00056	651550.00	4189475.00	0.00060
651575.00	4189475.00	0.00063	651600.00	4189475.00	0.00068
651625.00	4189475.00	0.00073	651650.00	4189475.00	0.00080
651675.00	4189475.00	0.00088	651700.00	4189475.00	0.00098
651725.00	4189475.00	0.00110	651425.00	4189500.00	0.00046
651450.00	4189500.00	0.00048	651475.00	4189500.00	0.00050
651500.00	4189500.00	0.00053	651525.00	4189500.00	0.00056
651550.00	4189500.00	0.00059	651575.00	4189500.00	0.00063
651600.00	4189500.00	0.00068	651625.00	4189500.00	0.00073
651650.00	4189500.00	0.00080	651675.00	4189500.00	0.00088
651700.00	4189500.00	0.00098	651725.00	4189500.00	0.00111
651425.00	4189525.00	0.00046	651450.00	4189525.00	0.00048
651475.00	4189525.00	0.00050	651500.00	4189525.00	0.00053
651525.00	4189525.00	0.00056	651550.00	4189525.00	0.00059
651575.00	4189525.00	0.00063	651600.00	4189525.00	0.00068
651625.00	4189525.00	0.00073	651650.00	4189525.00	0.00080
651675.00	4189525.00	0.00088	651700.00	4189525.00	0.00098
651725.00	4189525.00	0.00110	651425.00	4189550.00	0.00046
651450.00	4189550.00	0.00048	651475.00	4189550.00	0.00050
651500.00	4189550.00	0.00053	651525.00	4189550.00	0.00056
651550.00	4189550.00	0.00059	651575.00	4189550.00	0.00063
651600.00	4189550.00	0.00067	651625.00	4189550.00	0.00073

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651650.00	4189550.00	0.00079	651675.00	4189550.00	0.00087
651700.00	4189550.00	0.00097	651725.00	4189550.00	0.00110
651425.00	4189575.00	0.00046	651450.00	4189575.00	0.00048
651475.00	4189575.00	0.00050	651500.00	4189575.00	0.00053
651525.00	4189575.00	0.00055	651550.00	4189575.00	0.00059
651575.00	4189575.00	0.00063	651600.00	4189575.00	0.00067
651625.00	4189575.00	0.00072	651650.00	4189575.00	0.00079
651675.00	4189575.00	0.00087	651700.00	4189575.00	0.00097
651725.00	4189575.00	0.00110	651425.00	4189600.00	0.00045
651450.00	4189600.00	0.00048	651475.00	4189600.00	0.00050
651500.00	4189600.00	0.00052	651525.00	4189600.00	0.00055
651550.00	4189600.00	0.00059	651575.00	4189600.00	0.00062
651600.00	4189600.00	0.00067	651625.00	4189600.00	0.00072
651650.00	4189600.00	0.00079	651675.00	4189600.00	0.00087
651700.00	4189600.00	0.00097	651725.00	4189600.00	0.00110
651425.00	4189625.00	0.00045	651450.00	4189625.00	0.00047
651475.00	4189625.00	0.00050	651500.00	4189625.00	0.00052
651525.00	4189625.00	0.00055	651550.00	4189625.00	0.00058
651575.00	4189625.00	0.00062	651600.00	4189625.00	0.00067
651625.00	4189625.00	0.00072	651650.00	4189625.00	0.00078
651675.00	4189625.00	0.00086	651700.00	4189625.00	0.00096
651725.00	4189625.00	0.00109	651425.00	4189650.00	0.00045
651450.00	4189650.00	0.00047	651475.00	4189650.00	0.00050
651500.00	4189650.00	0.00052	651525.00	4189650.00	0.00055
651550.00	4189650.00	0.00058	651575.00	4189650.00	0.00062
651600.00	4189650.00	0.00066	651625.00	4189650.00	0.00072
651650.00	4189650.00	0.00078	651675.00	4189650.00	0.00086
651700.00	4189650.00	0.00096	651725.00	4189650.00	0.00109
651425.00	4189675.00	0.00045	651450.00	4189675.00	0.00047
651475.00	4189675.00	0.00050	651500.00	4189675.00	0.00052
651525.00	4189675.00	0.00055	651550.00	4189675.00	0.00058
651575.00	4189675.00	0.00062	651600.00	4189675.00	0.00066
651625.00	4189675.00	0.00071	651650.00	4189675.00	0.00077
651675.00	4189675.00	0.00085	651700.00	4189675.00	0.00096
651725.00	4189675.00	0.00110	651425.00	4189700.00	0.00045
651450.00	4189700.00	0.00047	651475.00	4189700.00	0.00049
651500.00	4189700.00	0.00052	651525.00	4189700.00	0.00055
651550.00	4189700.00	0.00058	651575.00	4189700.00	0.00062
651600.00	4189700.00	0.00066	651625.00	4189700.00	0.00071
651650.00	4189700.00	0.00077	651675.00	4189700.00	0.00085

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651700.00	4189700.00	0.00096	651725.00	4189700.00	0.00109
651425.00	4189725.00	0.00045	651450.00	4189725.00	0.00047
651475.00	4189725.00	0.00049	651500.00	4189725.00	0.00052
651525.00	4189725.00	0.00055	651550.00	4189725.00	0.00058
651575.00	4189725.00	0.00062	651600.00	4189725.00	0.00066
651625.00	4189725.00	0.00071	651650.00	4189725.00	0.00077
651675.00	4189725.00	0.00085	651700.00	4189725.00	0.00095
651725.00	4189725.00	0.00109	651475.00	4186360.00	0.00052
651500.00	4186360.00	0.00054	651525.00	4186360.00	0.00057
651550.00	4186360.00	0.00060	651575.00	4186360.00	0.00064
651600.00	4186360.00	0.00068	651475.00	4186385.00	0.00052
651500.00	4186385.00	0.00054	651525.00	4186385.00	0.00057
651550.00	4186385.00	0.00060	651575.00	4186385.00	0.00064
651600.00	4186385.00	0.00068	651475.00	4186410.00	0.00052
651500.00	4186410.00	0.00054	651525.00	4186410.00	0.00057
651550.00	4186410.00	0.00060	651575.00	4186410.00	0.00064
651600.00	4186410.00	0.00068	651475.00	4186435.00	0.00052
651500.00	4186435.00	0.00054	651525.00	4186435.00	0.00057
651550.00	4186435.00	0.00060	651575.00	4186435.00	0.00064
651600.00	4186435.00	0.00068	651475.00	4186460.00	0.00052
651500.00	4186460.00	0.00054	651525.00	4186460.00	0.00057
651550.00	4186460.00	0.00061	651575.00	4186460.00	0.00064
651600.00	4186460.00	0.00068	651475.00	4186485.00	0.00052
651500.00	4186485.00	0.00054	651525.00	4186485.00	0.00057
651550.00	4186485.00	0.00061	651575.00	4186485.00	0.00064
651600.00	4186485.00	0.00068	651475.00	4186510.00	0.00052
651500.00	4186510.00	0.00054	651525.00	4186510.00	0.00057
651550.00	4186510.00	0.00061	651575.00	4186510.00	0.00064
651600.00	4186510.00	0.00068	651625.00	4186510.00	0.00073
651650.00	4186510.00	0.00079	651675.00	4186510.00	0.00085
651700.00	4186510.00	0.00093	651725.00	4186510.00	0.00103
651475.00	4186535.00	0.00052	651500.00	4186535.00	0.00054
651525.00	4186535.00	0.00057	651550.00	4186535.00	0.00061
651575.00	4186535.00	0.00064	651600.00	4186535.00	0.00068
651625.00	4186535.00	0.00073	651650.00	4186535.00	0.00079
651675.00	4186535.00	0.00085	651700.00	4186535.00	0.00093
651725.00	4186535.00	0.00103	651750.00	4186535.00	0.00115
651475.00	4186560.00	0.00052	651500.00	4186560.00	0.00055
651525.00	4186560.00	0.00057	651550.00	4186560.00	0.00061
651575.00	4186560.00	0.00064	651600.00	4186560.00	0.00068

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651625.00	4186560.00	0.00073	651650.00	4186560.00	0.00079
651675.00	4186560.00	0.00085	651700.00	4186560.00	0.00093
651725.00	4186560.00	0.00103	651750.00	4186560.00	0.00115
651775.00	4186560.00	0.00131	651475.00	4186585.00	0.00052
651500.00	4186585.00	0.00055	651525.00	4186585.00	0.00057
651550.00	4186585.00	0.00061	651575.00	4186585.00	0.00064
651625.00	4186585.00	0.00073	651650.00	4186585.00	0.00079
651675.00	4186585.00	0.00085	651700.00	4186585.00	0.00093
651725.00	4186585.00	0.00103	651750.00	4186585.00	0.00115
651775.00	4186585.00	0.00131	651475.00	4186610.00	0.00052
651500.00	4186610.00	0.00055	651525.00	4186610.00	0.00057
651550.00	4186610.00	0.00061	651600.00	4186610.00	0.00068
651625.00	4186610.00	0.00073	651650.00	4186610.00	0.00079
651675.00	4186610.00	0.00085	651700.00	4186610.00	0.00093
651725.00	4186610.00	0.00103	651750.00	4186610.00	0.00116
651775.00	4186610.00	0.00132	651475.00	4186635.00	0.00052
651500.00	4186635.00	0.00055	651525.00	4186635.00	0.00057
651550.00	4186635.00	0.00061	651575.00	4186635.00	0.00064
651600.00	4186635.00	0.00068	651625.00	4186635.00	0.00073
651650.00	4186635.00	0.00079	651675.00	4186635.00	0.00085
651700.00	4186635.00	0.00093	651725.00	4186635.00	0.00103
651750.00	4186635.00	0.00116	651775.00	4186635.00	0.00132
651475.00	4186660.00	0.00052	651500.00	4186660.00	0.00055
651525.00	4186660.00	0.00057	651700.00	4186660.00	0.00093
651725.00	4186660.00	0.00103	651750.00	4186660.00	0.00115
651775.00	4186660.00	0.00131	651475.00	4186685.00	0.00052
651500.00	4186685.00	0.00055	651525.00	4186685.00	0.00057
651575.00	4186685.00	0.00064	651600.00	4186685.00	0.00068
651625.00	4186685.00	0.00073	651650.00	4186685.00	0.00079
651675.00	4186685.00	0.00085	651700.00	4186685.00	0.00093
651725.00	4186685.00	0.00103	651750.00	4186685.00	0.00116
651775.00	4186685.00	0.00132	651475.00	4186710.00	0.00052
651500.00	4186710.00	0.00055	651525.00	4186710.00	0.00057
651575.00	4186710.00	0.00064	651600.00	4186710.00	0.00068
651625.00	4186710.00	0.00073	651650.00	4186710.00	0.00079
651675.00	4186710.00	0.00085	651700.00	4186710.00	0.00093
651725.00	4186710.00	0.00103	651750.00	4186710.00	0.00116
651775.00	4186710.00	0.00133	651700.00	4186735.00	0.00094
651725.00	4186735.00	0.00103	651750.00	4186735.00	0.00116
651775.00	4186735.00	0.00131	651475.00	4186760.00	0.00052

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651500.00	4186760.00	0.00055	651525.00	4186760.00	0.00057
651575.00	4186760.00	0.00064	651600.00	4186760.00	0.00069
651625.00	4186760.00	0.00073	651650.00	4186760.00	0.00079
651675.00	4186760.00	0.00086	651700.00	4186760.00	0.00094
651725.00	4186760.00	0.00103	651750.00	4186760.00	0.00116
651775.00	4186760.00	0.00131	651475.00	4186785.00	0.00052
651500.00	4186785.00	0.00055	651525.00	4186785.00	0.00057
651575.00	4186785.00	0.00064	651600.00	4186785.00	0.00069
651625.00	4186785.00	0.00073	651650.00	4186785.00	0.00079
651675.00	4186785.00	0.00086	651700.00	4186785.00	0.00094
651725.00	4186785.00	0.00103	651750.00	4186785.00	0.00116
651775.00	4186785.00	0.00133	651575.00	4186835.00	0.00064
651625.00	4186835.00	0.00073	651650.00	4186835.00	0.00079
651675.00	4186835.00	0.00086	651700.00	4186835.00	0.00094
651750.00	4186835.00	0.00116	651775.00	4186835.00	0.00131
651575.00	4186860.00	0.00064	651625.00	4186860.00	0.00073
651650.00	4186860.00	0.00079	651675.00	4186860.00	0.00086
651700.00	4186860.00	0.00094	651750.00	4186860.00	0.00116
651775.00	4186860.00	0.00133	651575.00	4186885.00	0.00064
651625.00	4186885.00	0.00073	651650.00	4186885.00	0.00079
651675.00	4186885.00	0.00086	651700.00	4186885.00	0.00094
651750.00	4186885.00	0.00116	651775.00	4186885.00	0.00134
651575.00	4186910.00	0.00064	651625.00	4186910.00	0.00073
651650.00	4186910.00	0.00079	651675.00	4186910.00	0.00086
651700.00	4186910.00	0.00094	651750.00	4186910.00	0.00116
651775.00	4186910.00	0.00132	651575.00	4186935.00	0.00064
651625.00	4186935.00	0.00073	651650.00	4186935.00	0.00079
651675.00	4186935.00	0.00086	651700.00	4186935.00	0.00094
651750.00	4186935.00	0.00116	651775.00	4186935.00	0.00132
651575.00	4186960.00	0.00064	651625.00	4186960.00	0.00073
651650.00	4186960.00	0.00079	651675.00	4186960.00	0.00086
651700.00	4186960.00	0.00094	651750.00	4186960.00	0.00116
651575.00	4186985.00	0.00064	651625.00	4186985.00	0.00073
651650.00	4186985.00	0.00079	651675.00	4186985.00	0.00086
651700.00	4186985.00	0.00094	651750.00	4186985.00	0.00117
651575.00	4187010.00	0.00064	651625.00	4187010.00	0.00073
651650.00	4187010.00	0.00079	651675.00	4187010.00	0.00086
651700.00	4187010.00	0.00094	651750.00	4187010.00	0.00116
651575.00	4187035.00	0.00064	651625.00	4187035.00	0.00073
651650.00	4187035.00	0.00079	651675.00	4187035.00	0.00086

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651700.00	4187035.00	0.00094	651750.00	4187035.00	0.00116
651575.00	4187060.00	0.00064	651625.00	4187060.00	0.00073
651650.00	4187060.00	0.00079	651675.00	4187060.00	0.00086
651700.00	4187060.00	0.00094	651750.00	4187060.00	0.00117
651575.00	4187085.00	0.00064	651625.00	4187085.00	0.00074
651650.00	4187085.00	0.00079	651675.00	4187085.00	0.00086
651700.00	4187085.00	0.00094	651750.00	4187085.00	0.00117
651475.00	4187135.00	0.00052	651500.00	4187135.00	0.00055
651525.00	4187135.00	0.00057	651550.00	4187135.00	0.00061
651575.00	4187135.00	0.00064	651625.00	4187135.00	0.00074
651650.00	4187135.00	0.00079	651475.00	4187160.00	0.00052
651500.00	4187160.00	0.00055	651525.00	4187160.00	0.00057
651550.00	4187160.00	0.00061	651575.00	4187160.00	0.00064
651625.00	4187160.00	0.00074	651650.00	4187160.00	0.00079
651475.00	4187185.00	0.00052	651500.00	4187185.00	0.00055
651525.00	4187185.00	0.00057	651550.00	4187185.00	0.00061
651575.00	4187185.00	0.00064	651625.00	4187185.00	0.00074
651650.00	4187185.00	0.00079	651475.00	4187210.00	0.00052
651500.00	4187210.00	0.00055	651525.00	4187210.00	0.00057
651550.00	4187210.00	0.00061	651575.00	4187210.00	0.00064
651625.00	4187210.00	0.00074	651650.00	4187210.00	0.00079
651475.00	4187235.00	0.00052	651500.00	4187235.00	0.00055
651525.00	4187235.00	0.00057	651550.00	4187235.00	0.00061
651575.00	4187235.00	0.00064	651625.00	4187235.00	0.00074
651650.00	4187235.00	0.00079	651475.00	4187260.00	0.00052
651500.00	4187260.00	0.00055	651525.00	4187260.00	0.00057
651550.00	4187260.00	0.00061	651575.00	4187260.00	0.00064
651625.00	4187260.00	0.00074	651650.00	4187260.00	0.00079
651675.00	4187260.00	0.00086	651700.00	4187260.00	0.00094
651475.00	4187285.00	0.00052	651500.00	4187285.00	0.00055
651525.00	4187285.00	0.00057	651550.00	4187285.00	0.00061
651575.00	4187285.00	0.00064	651625.00	4187285.00	0.00074
651650.00	4187285.00	0.00079	651675.00	4187285.00	0.00086
651700.00	4187285.00	0.00094	651475.00	4187310.00	0.00052
651500.00	4187310.00	0.00055	651525.00	4187310.00	0.00057
651550.00	4187310.00	0.00061	651575.00	4187310.00	0.00064
651625.00	4187310.00	0.00074	651650.00	4187310.00	0.00079
651675.00	4187310.00	0.00086	651700.00	4187310.00	0.00094
651475.00	4187335.00	0.00052	651500.00	4187335.00	0.00055
651525.00	4187335.00	0.00057	651550.00	4187335.00	0.00061

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651575.00	4187335.00	0.00064	651625.00	4187335.00	0.00074
651650.00	4187335.00	0.00079	651675.00	4187335.00	0.00086
651700.00	4187335.00	0.00094	651475.00	4187360.00	0.00052
651500.00	4187360.00	0.00055	651525.00	4187360.00	0.00057
651550.00	4187360.00	0.00061	651575.00	4187360.00	0.00064
651625.00	4187360.00	0.00074	651650.00	4187360.00	0.00079
651675.00	4187360.00	0.00086	651700.00	4187360.00	0.00094
651475.00	4187385.00	0.00052	651500.00	4187385.00	0.00054
651525.00	4187385.00	0.00057	651550.00	4187385.00	0.00061
651575.00	4187385.00	0.00064	651625.00	4187385.00	0.00074
651650.00	4187385.00	0.00079	651675.00	4187385.00	0.00086
651700.00	4187385.00	0.00094	651475.00	4187410.00	0.00052
651500.00	4187410.00	0.00054	651525.00	4187410.00	0.00057
651550.00	4187410.00	0.00061	651575.00	4187410.00	0.00064
651625.00	4187410.00	0.00074	651650.00	4187410.00	0.00079
651675.00	4187410.00	0.00086	651700.00	4187410.00	0.00094
651475.00	4187435.00	0.00052	651500.00	4187435.00	0.00054
651525.00	4187435.00	0.00057	651550.00	4187435.00	0.00061
651575.00	4187435.00	0.00064	651625.00	4187435.00	0.00074
651650.00	4187435.00	0.00079	651675.00	4187435.00	0.00086
651700.00	4187435.00	0.00094	651475.00	4187460.00	0.00052
651500.00	4187460.00	0.00054	651525.00	4187460.00	0.00057
651550.00	4187460.00	0.00061	651575.00	4187460.00	0.00064
651625.00	4187460.00	0.00074	651650.00	4187460.00	0.00079
651675.00	4187460.00	0.00086	651700.00	4187460.00	0.00094
651475.00	4187485.00	0.00052	651500.00	4187485.00	0.00054
651525.00	4187485.00	0.00057	651550.00	4187485.00	0.00061
651575.00	4187485.00	0.00064	651625.00	4187485.00	0.00074
651650.00	4187485.00	0.00079	651675.00	4187485.00	0.00086
651700.00	4187485.00	0.00094	651475.00	4187510.00	0.00052
651500.00	4187510.00	0.00054	651525.00	4187510.00	0.00057
651550.00	4187510.00	0.00061	651575.00	4187510.00	0.00064
651625.00	4187510.00	0.00073	651650.00	4187510.00	0.00079
651675.00	4187510.00	0.00086	651700.00	4187510.00	0.00094
651475.00	4187535.00	0.00052	651500.00	4187535.00	0.00054
651525.00	4187535.00	0.00057	651550.00	4187535.00	0.00061
651575.00	4187535.00	0.00064	651625.00	4187535.00	0.00073
651650.00	4187535.00	0.00079	651675.00	4187535.00	0.00086
651700.00	4187535.00	0.00094	651475.00	4187560.00	0.00052
651500.00	4187560.00	0.00054	651525.00	4187560.00	0.00057

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651550.00	4187560.00	0.00061	651575.00	4187560.00	0.00064
651625.00	4187560.00	0.00073	651650.00	4187560.00	0.00079
651675.00	4187560.00	0.00086	651700.00	4187560.00	0.00094
651725.00	4187560.00	0.00104	651750.00	4187560.00	0.00117
651475.00	4187585.00	0.00052	651500.00	4187585.00	0.00054
651525.00	4187585.00	0.00057	651550.00	4187585.00	0.00061
651575.00	4187585.00	0.00064	651625.00	4187585.00	0.00073
651650.00	4187585.00	0.00079	651675.00	4187585.00	0.00086
651700.00	4187585.00	0.00094	651725.00	4187585.00	0.00104
651750.00	4187585.00	0.00118	651475.00	4187610.00	0.00052
651500.00	4187610.00	0.00054	651525.00	4187610.00	0.00057
651550.00	4187610.00	0.00061	651575.00	4187610.00	0.00064
651625.00	4187610.00	0.00073	651650.00	4187610.00	0.00079
651675.00	4187610.00	0.00086	651700.00	4187610.00	0.00094
651725.00	4187610.00	0.00105	651750.00	4187610.00	0.00118
651475.00	4187635.00	0.00052	651500.00	4187635.00	0.00055
651525.00	4187635.00	0.00057	651550.00	4187635.00	0.00061
651575.00	4187635.00	0.00064	651625.00	4187635.00	0.00073
651650.00	4187635.00	0.00079	651675.00	4187635.00	0.00086
651700.00	4187635.00	0.00094	651725.00	4187635.00	0.00105
651750.00	4187635.00	0.00118	651475.00	4187660.00	0.00052
651500.00	4187660.00	0.00055	651525.00	4187660.00	0.00057
651550.00	4187660.00	0.00061	651575.00	4187660.00	0.00064
651625.00	4187660.00	0.00073	651650.00	4187660.00	0.00079
651675.00	4187660.00	0.00086	651700.00	4187660.00	0.00094
651725.00	4187660.00	0.00104	651750.00	4187660.00	0.00117
651475.00	4187685.00	0.00052	651500.00	4187685.00	0.00055
651525.00	4187685.00	0.00058	651550.00	4187685.00	0.00061
651575.00	4187685.00	0.00064	651625.00	4187685.00	0.00073
651650.00	4187685.00	0.00079	651675.00	4187685.00	0.00086
651700.00	4187685.00	0.00094	651725.00	4187685.00	0.00104
651750.00	4187685.00	0.00118	651475.00	4187710.00	0.00052
651500.00	4187710.00	0.00055	651525.00	4187710.00	0.00058
651550.00	4187710.00	0.00061	651575.00	4187710.00	0.00064
651625.00	4187710.00	0.00073	651650.00	4187710.00	0.00079
651675.00	4187710.00	0.00086	651700.00	4187710.00	0.00094
651725.00	4187710.00	0.00104	651750.00	4187710.00	0.00118
651475.00	4187735.00	0.00052	651500.00	4187735.00	0.00055
651525.00	4187735.00	0.00058	651550.00	4187735.00	0.00061
651575.00	4187735.00	0.00064	651625.00	4187735.00	0.00073

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651650.00	4187735.00	0.00079	651675.00	4187735.00	0.00085
651700.00	4187735.00	0.00093	651725.00	4187735.00	0.00104
651750.00	4187735.00	0.00117	651475.00	4187760.00	0.00052
651500.00	4187760.00	0.00055	651525.00	4187760.00	0.00058
651550.00	4187760.00	0.00061	651575.00	4187760.00	0.00064
651625.00	4187760.00	0.00073	651650.00	4187760.00	0.00079
651675.00	4187760.00	0.00085	651700.00	4187760.00	0.00093
651725.00	4187760.00	0.00103	651750.00	4187760.00	0.00116
651475.00	4187785.00	0.00052	651500.00	4187785.00	0.00055
651525.00	4187785.00	0.00057	651550.00	4187785.00	0.00061
651575.00	4187785.00	0.00064	651625.00	4187785.00	0.00073
651650.00	4187785.00	0.00078	651675.00	4187785.00	0.00085
651700.00	4187785.00	0.00092	651725.00	4187785.00	0.00102
651750.00	4187785.00	0.00115	651475.00	4187810.00	0.00052
651500.00	4187810.00	0.00054	651525.00	4187810.00	0.00057
651550.00	4187810.00	0.00060	651575.00	4187810.00	0.00064
651625.00	4187810.00	0.00073	651650.00	4187810.00	0.00078
651675.00	4187810.00	0.00084	651700.00	4187810.00	0.00092
651725.00	4187810.00	0.00102	651750.00	4187810.00	0.00114
651475.00	4187835.00	0.00052	651500.00	4187835.00	0.00054
651525.00	4187835.00	0.00057	651550.00	4187835.00	0.00060
651575.00	4187835.00	0.00064	651625.00	4187835.00	0.00073
651650.00	4187835.00	0.00078	651675.00	4187835.00	0.00084
651700.00	4187835.00	0.00092	651725.00	4187835.00	0.00102
651750.00	4187835.00	0.00115	651475.00	4187860.00	0.00052
651500.00	4187860.00	0.00054	651525.00	4187860.00	0.00057
651550.00	4187860.00	0.00060	651575.00	4187860.00	0.00064
651625.00	4187860.00	0.00072	651650.00	4187860.00	0.00078
651675.00	4187860.00	0.00084	651700.00	4187860.00	0.00092
651725.00	4187860.00	0.00102	651750.00	4187860.00	0.00116
651475.00	4187885.00	0.00052	651500.00	4187885.00	0.00054
651525.00	4187885.00	0.00057	651550.00	4187885.00	0.00060
651575.00	4187885.00	0.00063	651625.00	4187885.00	0.00072
651650.00	4187885.00	0.00078	651675.00	4187885.00	0.00084
651700.00	4187885.00	0.00093	651725.00	4187885.00	0.00103
651750.00	4187885.00	0.00117	651475.00	4187910.00	0.00051
651500.00	4187910.00	0.00054	651525.00	4187910.00	0.00057
651550.00	4187910.00	0.00060	651575.00	4187910.00	0.00063
651625.00	4187910.00	0.00072	651650.00	4187910.00	0.00078
651675.00	4187910.00	0.00084	651700.00	4187910.00	0.00092

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
651725.00	4187910.00	0.00103	651750.00	4187910.00	0.00116
651475.00	4187935.00	0.00051	651500.00	4187935.00	0.00054
651525.00	4187935.00	0.00057	651550.00	4187935.00	0.00060
651575.00	4187935.00	0.00063	651625.00	4187935.00	0.00072
651650.00	4187935.00	0.00078	651675.00	4187935.00	0.00084
651700.00	4187935.00	0.00092	651725.00	4187935.00	0.00103
651750.00	4187935.00	0.00116	648793.96	4183823.03	0.00057
648814.54	4183840.55	0.00056	648821.39	4183860.36	0.00054
648751.30	4183835.22	0.00053	648764.25	4183851.98	0.00052
648774.15	4183867.98	0.00052	648789.39	4183882.46	0.00051
648791.68	4183768.17	0.00065	648813.01	4183771.98	0.00066
648829.77	4183781.88	0.00065	648711.68	4183866.46	0.00049
648682.72	4183885.51	0.00046	648664.44	4183896.93	0.00044

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00134	AT (651775.00, 4186885.00, 6.78, 6.78, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00133	AT (651775.00, 4186785.00, 6.78, 6.78, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00133	AT (651775.00, 4186710.00, 6.77, 6.77, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00133	AT (651775.00, 4186860.00, 6.78, 6.78, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00132	AT (651775.00, 4186610.00, 6.76, 6.76, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00132	AT (651775.00, 4186910.00, 6.78, 6.78, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00132	AT (651775.00, 4186685.00, 6.77, 6.77, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00132	AT (651775.00, 4186935.00, 6.79, 6.79, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00132	AT (651775.00, 4186635.00, 6.76, 6.76, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00131	AT (651775.00, 4186760.00, 6.77, 6.77, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   1 Warning Message(s)
A Total of   1738 Informational Message(s)

A Total of   43848 Hours Were Processed

A Total of   1156 Calm Hours Identified

A Total of   582 Missing Hours Identified (1.33 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
ME W186   1411   MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used   0.50

   ****
   *** AERMOD Finishes Successfully ***
   ****

```
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE Valley Link: Tri-Valley Segment Section 1, 2040 Annual Operation DPM
   MODELOPT CONC FASTAREA
   AVERTIME ANNUAL
   URBANOPT 4656000 Other_Bay_Area
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL Tri_Valley_S1_operation_2040_DPM.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = TRIVAL_S1A_D
** DESCRSRC Tri-Valley Segment Section 1 - Part A, Day Time
** PREFIX
** Length of Side = 9.10
** Ratio = 10
** Vertical Dimension = 1.37
** Emission Rate = 3.531E-08
** Nodes = 11
** 596390.120, 4173285.362, 101.49, 5.87
** 596553.539, 4173284.011, 101.90, 5.87
** 596714.256, 4173284.011, 104.40, 5.87
** 596879.026, 4173284.011, 107.98, 5.87
** 597030.290, 4173284.011, 108.62, 5.87
** 597193.709, 4173284.011, 109.93, 5.87
** 597251.784, 4173282.660, 110.02, 5.87
** 597407.099, 4173282.660, 107.88, 5.87
** 597579.972, 4173284.011, 105.12, 5.87
** 597809.569, 4173284.011, 104.73, 5.87
** 597964.800, 4173286.710, 105.29, 5.87
** ------------------------------------------------------------------------
   LOCATION A0000001     AREA     596390.082 4173280.812 101.37
   LOCATION A0000002     AREA     596471.791 4173280.136 101.32
   LOCATION A0000003     AREA     596553.539 4173279.461 101.35
   LOCATION A0000004     AREA     596633.897 4173279.461 101.80
   LOCATION A0000005     AREA     596714.256 4173279.461 103.68
   LOCATION A0000006     AREA     596796.641 4173279.461 106.52
   LOCATION A0000007     AREA     596879.026 4173279.461 107.97
   LOCATION A0000008     AREA     596954.658 4173279.461 108.32
   LOCATION A0000009     AREA     597030.290 4173279.461 108.63
   LOCATION A0000010     AREA     597111.999 4173279.461 108.46
   LOCATION A0000011     AREA     597193.603 4173279.462 109.77
   LOCATION A0000012     AREA     597251.784 4173278.110 109.58
   LOCATION A0000013     AREA     597329.441 4173278.110 108.80
   LOCATION A0000014     AREA     597407.135 4173278.111 107.33
   LOCATION A0000015     AREA     597493.571 4173278.786 105.80
   LOCATION A0000016     AREA     597579.972 4173279.461 104.68
   LOCATION A0000017     AREA     597656.504 4173279.461 104.27
   LOCATION A0000018     AREA     597733.037 4173279.461 104.37
   LOCATION A0000019     AREA     597809.648 4173279.462 104.61
   LOCATION A0000020     AREA     597887.264 4173280.811 104.92
** End of LINE AREA Source ID = TRIVAL_S1A_D
** ------------------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = TRIVAL_S1A_N
** DESCRSRC Tri-Valley Segment Section 1 - Part A, Night Time
** PREFIX
** Length of Side = 9.10
** Ratio = 10
** Vertical Dimension = 2.55
** Emission Rate = 3.531E-08
** Nodes = 11
** 596390.120, 4173285.362, 101.49, 10.98
** 596553.539, 4173284.011, 101.90, 10.98
** 596714.256, 4173284.011, 104.40, 10.98
** 596879.026, 4173284.011, 107.98, 10.98
** 597030.290, 4173284.011, 108.62, 10.98
** 597193.709, 4173284.011, 109.93, 10.98
** 597251.784, 4173282.660, 110.02, 10.98
** 597407.099, 4173282.660, 107.88, 10.98
** 597579.972, 4173284.011, 105.12, 10.98
** 597809.569, 4173284.011, 104.73, 10.98
** 597964.800, 4173286.710, 105.29, 10.98
** ------------------------------------------------------------------------
   LOCATION A0000050     AREA     596390.082 4173280.812 101.37
   LOCATION A0000051     AREA     596471.791 4173280.136 101.32
   LOCATION A0000052     AREA     596553.539 4173279.461 101.35
   LOCATION A0000053     AREA     596633.897 4173279.461 101.80
   LOCATION A0000054     AREA     596714.256 4173279.461 103.68
   LOCATION A0000055     AREA     596796.641 4173279.461 106.52
   LOCATION A0000056     AREA     596879.026 4173279.461 107.97
```

```
   LOCATION A0000057     AREA     596954.658 4173279.461 108.32
   LOCATION A0000058     AREA     597030.290 4173279.461 108.63
   LOCATION A0000059     AREA     597111.999 4173279.461 108.46
   LOCATION A0000060     AREA     597193.603 4173279.462 109.77
   LOCATION A0000061     AREA     597251.784 4173278.110 109.58
   LOCATION A0000062     AREA     597329.441 4173278.110 108.80
   LOCATION A0000063     AREA     597407.135 4173278.111 107.33
   LOCATION A0000064     AREA     597493.571 4173278.786 105.80
   LOCATION A0000065     AREA     597579.972 4173279.461 104.68
   LOCATION A0000066     AREA     597656.504 4173279.461 104.27
   LOCATION A0000067     AREA     597733.037 4173279.461 104.37
   LOCATION A0000068     AREA     597809.648 4173279.462 104.61
   LOCATION A0000069     AREA     597887.264 4173280.811 104.92
** End of LINE AREA Source ID = TRIVAL_S1A_N
** --------------------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = TRIVAL_S1B_D
** DESCRSRC Tri-Valley Segment Section 1 - Part B, Day Time
** PREFIX
** Length of Side = 9.10
** Ratio = 10
** Vertical Dimension = 1.37
** Emission Rate = 3.5314E-08
** Nodes = 8
** 599448.580, 4173294.108, 106.41, 5.87
** 599633.672, 4173292.757, 106.03, 5.87
** 599934.954, 4173292.757, 106.56, 5.87
** 600291.629, 4173290.055, 106.52, 5.87
** 600595.613, 4173288.703, 106.66, 5.87
** 600836.098, 4173290.055, 106.47, 5.87
** 601073.881, 4173291.406, 107.04, 5.87
** 601275.186, 4173292.757, 108.61, 5.87
** --------------------------------------------------------------------------
   LOCATION A0000026     AREA     599448.547 4173289.558 106.43
   LOCATION A0000027     AREA     599510.244 4173289.107 106.15
   LOCATION A0000028     AREA     599571.942 4173288.657 106.15
   LOCATION A0000029     AREA     599633.672 4173288.207 106.11
   LOCATION A0000030     AREA     599708.993 4173288.207 106.15
   LOCATION A0000031     AREA     599784.313 4173288.207 106.25
   LOCATION A0000032     AREA     599859.634 4173288.207 106.45
   LOCATION A0000033     AREA     599934.920 4173288.207 106.54
   LOCATION A0000034     AREA     600024.088 4173287.531 106.51
   LOCATION A0000035     AREA     600113.257 4173286.856 106.63
   LOCATION A0000036     AREA     600202.426 4173286.180 106.56
   LOCATION A0000037     AREA     600291.609 4173285.505 106.53
   LOCATION A0000038     AREA     600367.605 4173285.167 106.51
   LOCATION A0000039     AREA     600443.601 4173284.829 106.52
   LOCATION A0000040     AREA     600519.597 4173284.491 106.56
   LOCATION A0000041     AREA     600595.638 4173284.154 106.63
   LOCATION A0000042     AREA     600675.800 4173284.604 106.64
   LOCATION A0000043     AREA     600755.962 4173285.054 106.68
   LOCATION A0000044     AREA     600836.124 4173285.505 106.71
   LOCATION A0000045     AREA     600915.385 4173285.955 106.72
   LOCATION A0000046     AREA     600994.646 4173286.405 106.69
   LOCATION A0000047     AREA     601073.912 4173286.856 107.01
   LOCATION A0000048     AREA     601141.013 4173287.306 107.40
   LOCATION A0000049     AREA     601208.115 4173287.756 107.96
** End of LINE AREA Source ID = TRIVAL_S1B_D
** --------------------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = TRIVAL_S1B_N
** DESCRSRC Tri-Valley Segment Section 1 - Part B, Night Time
** PREFIX
** Length of Side = 9.10
** Ratio = 10
** Vertical Dimension = 2.55
** Emission Rate = 3.5314E-08
** Nodes = 8
** 599448.580, 4173294.108, 106.41, 10.98
** 599633.672, 4173292.757, 106.03, 10.98
** 599934.954, 4173292.757, 106.56, 10.98
** 600291.629, 4173290.055, 106.52, 10.98
** 600595.613, 4173288.703, 106.66, 10.98
** 600836.098, 4173290.055, 106.47, 10.98
** 601073.881, 4173291.406, 107.04, 10.98
** 601275.186, 4173292.757, 108.61, 10.98
** --------------------------------------------------------------------------
   LOCATION A0000070     AREA     599448.547 4173289.558 106.43
   LOCATION A0000071     AREA     599510.244 4173289.107 106.15
   LOCATION A0000072     AREA     599571.942 4173288.657 106.15
   LOCATION A0000073     AREA     599633.672 4173288.207 106.11
   LOCATION A0000074     AREA     599708.993 4173288.207 106.15
   LOCATION A0000075     AREA     599784.313 4173288.207 106.25
   LOCATION A0000076     AREA     599859.634 4173288.207 106.45
   LOCATION A0000077     AREA     599934.920 4173288.207 106.54
   LOCATION A0000078     AREA     600024.088 4173287.531 106.51
   LOCATION A0000079     AREA     600113.257 4173286.856 106.63
   LOCATION A0000080     AREA     600202.426 4173286.180 106.56
   LOCATION A0000081     AREA     600291.609 4173285.505 106.53
   LOCATION A0000082     AREA     600367.605 4173285.167 106.51
   LOCATION A0000083     AREA     600443.601 4173284.829 106.52
   LOCATION A0000084     AREA     600519.597 4173284.491 106.56
   LOCATION A0000085     AREA     600595.638 4173284.154 106.63
   LOCATION A0000086     AREA     600675.800 4173284.604 106.64
   LOCATION A0000087     AREA     600755.962 4173285.054 106.68
```

```
   LOCATION A0000088     AREA     600836.124 4173285.505 106.71
   LOCATION A0000089     AREA     600915.385 4173285.955 106.72
   LOCATION A0000090     AREA     600994.646 4173286.405 106.69
   LOCATION A0000091     AREA     601073.912 4173286.856 107.01
   LOCATION A0000092     AREA     601141.013 4173287.306 107.40
   LOCATION A0000093     AREA     601208.115 4173287.756 107.96
** End of LINE AREA Source ID = TRIVAL_S1B_N
** Source Parameters **
** LINE AREA Source ID = TRIVAL_S1A_D
   SRCPARAM A0000001     3.531E-08     5.870    81.712     9.100     0.474     1.370
   SRCPARAM A0000002     3.531E-08     5.870    81.712     9.100     0.474     1.370
   SRCPARAM A0000003     3.531E-08     5.870    80.359     9.100     0.000     1.370
   SRCPARAM A0000004     3.531E-08     5.870    80.359     9.100     0.000     1.370
   SRCPARAM A0000005     3.531E-08     5.870    82.385     9.100     0.000     1.370
   SRCPARAM A0000006     3.531E-08     5.870    82.385     9.100     0.000     1.370
   SRCPARAM A0000007     3.531E-08     5.870    75.632     9.100     0.000     1.370
   SRCPARAM A0000008     3.531E-08     5.870    75.632     9.100     0.000     1.370
   SRCPARAM A0000009     3.531E-08     5.870    81.710     9.100     0.000     1.370
   SRCPARAM A0000010     3.531E-08     5.870    81.710     9.100     0.000     1.370
   SRCPARAM A0000011     3.531E-08     5.870    58.090     9.100     1.332     1.370
   SRCPARAM A0000012     3.531E-08     5.870    77.658     9.100     0.000     1.370
   SRCPARAM A0000013     3.531E-08     5.870    77.658     9.100     0.000     1.370
   SRCPARAM A0000014     3.531E-08     5.870    86.439     9.100    -0.448     1.370
   SRCPARAM A0000015     3.531E-08     5.870    86.439     9.100    -0.448     1.370
   SRCPARAM A0000016     3.531E-08     5.870    76.532     9.100     0.000     1.370
   SRCPARAM A0000017     3.531E-08     5.870    76.532     9.100     0.000     1.370
   SRCPARAM A0000018     3.531E-08     5.870    76.532     9.100     0.000     1.370
   SRCPARAM A0000019     3.531E-08     5.870    77.627     9.100    -0.996     1.370
   SRCPARAM A0000020     3.531E-08     5.870    77.627     9.100    -0.996     1.370
** ----------------------------------------------------------------------
** LINE AREA Source ID = TRIVAL_S1A_N
   SRCPARAM A0000050     3.531E-08    10.980    81.712     9.100     0.474     2.550
   SRCPARAM A0000051     3.531E-08    10.980    81.712     9.100     0.474     2.550
   SRCPARAM A0000052     3.531E-08    10.980    80.359     9.100     0.000     2.550
   SRCPARAM A0000053     3.531E-08    10.980    80.359     9.100     0.000     2.550
   SRCPARAM A0000054     3.531E-08    10.980    82.385     9.100     0.000     2.550
   SRCPARAM A0000055     3.531E-08    10.980    82.385     9.100     0.000     2.550
   SRCPARAM A0000056     3.531E-08    10.980    75.632     9.100     0.000     2.550
   SRCPARAM A0000057     3.531E-08    10.980    75.632     9.100     0.000     2.550
   SRCPARAM A0000058     3.531E-08    10.980    81.710     9.100     0.000     2.550
   SRCPARAM A0000059     3.531E-08    10.980    81.710     9.100     0.000     2.550
   SRCPARAM A0000060     3.531E-08    10.980    58.090     9.100     1.332     2.550
   SRCPARAM A0000061     3.531E-08    10.980    77.658     9.100     0.000     2.550
   SRCPARAM A0000062     3.531E-08    10.980    77.658     9.100     0.000     2.550
   SRCPARAM A0000063     3.531E-08    10.980    86.439     9.100    -0.448     2.550
   SRCPARAM A0000064     3.531E-08    10.980    86.439     9.100    -0.448     2.550
   SRCPARAM A0000065     3.531E-08    10.980    76.532     9.100     0.000     2.550
   SRCPARAM A0000066     3.531E-08    10.980    76.532     9.100     0.000     2.550
   SRCPARAM A0000067     3.531E-08    10.980    76.532     9.100     0.000     2.550
   SRCPARAM A0000068     3.531E-08    10.980    77.627     9.100    -0.996     2.550
   SRCPARAM A0000069     3.531E-08    10.980    77.627     9.100    -0.996     2.550
** ----------------------------------------------------------------------
** LINE AREA Source ID = TRIVAL_S1B_D
   SRCPARAM A0000026     3.5314E-08     5.870    61.699     9.100     0.418     1.370
   SRCPARAM A0000027     3.5314E-08     5.870    61.699     9.100     0.418     1.370
   SRCPARAM A0000028     3.5314E-08     5.870    61.699     9.100     0.418     1.370
   SRCPARAM A0000029     3.5314E-08     5.870    75.320     9.100     0.000     1.370
   SRCPARAM A0000030     3.5314E-08     5.870    75.320     9.100     0.000     1.370
   SRCPARAM A0000031     3.5314E-08     5.870    75.320     9.100     0.000     1.370
   SRCPARAM A0000032     3.5314E-08     5.870    75.320     9.100     0.000     1.370
   SRCPARAM A0000033     3.5314E-08     5.870    89.171     9.100     0.434     1.370
   SRCPARAM A0000034     3.5314E-08     5.870    89.171     9.100     0.434     1.370
   SRCPARAM A0000035     3.5314E-08     5.870    89.171     9.100     0.434     1.370
   SRCPARAM A0000036     3.5314E-08     5.870    89.171     9.100     0.434     1.370
   SRCPARAM A0000037     3.5314E-08     5.870    75.997     9.100     0.255     1.370
   SRCPARAM A0000038     3.5314E-08     5.870    75.997     9.100     0.255     1.370
   SRCPARAM A0000039     3.5314E-08     5.870    75.997     9.100     0.255     1.370
   SRCPARAM A0000040     3.5314E-08     5.870    75.997     9.100     0.255     1.370
   SRCPARAM A0000041     3.5314E-08     5.870    80.163     9.100    -0.322     1.370
   SRCPARAM A0000042     3.5314E-08     5.870    80.163     9.100    -0.322     1.370
   SRCPARAM A0000043     3.5314E-08     5.870    80.163     9.100    -0.322     1.370
   SRCPARAM A0000044     3.5314E-08     5.870    79.262     9.100    -0.326     1.370
   SRCPARAM A0000045     3.5314E-08     5.870    79.262     9.100    -0.326     1.370
   SRCPARAM A0000046     3.5314E-08     5.870    79.262     9.100    -0.326     1.370
   SRCPARAM A0000047     3.5314E-08     5.870    67.103     9.100    -0.385     1.370
   SRCPARAM A0000048     3.5314E-08     5.870    67.103     9.100    -0.385     1.370
   SRCPARAM A0000049     3.5314E-08     5.870    67.103     9.100    -0.385     1.370
** ----------------------------------------------------------------------
** LINE AREA Source ID = TRIVAL_S1B_N
   SRCPARAM A0000070     3.5314E-08    10.980    61.699     9.100     0.418     2.550
   SRCPARAM A0000071     3.5314E-08    10.980    61.699     9.100     0.418     2.550
   SRCPARAM A0000072     3.5314E-08    10.980    61.699     9.100     0.418     2.550
   SRCPARAM A0000073     3.5314E-08    10.980    75.320     9.100     0.000     2.550
   SRCPARAM A0000074     3.5314E-08    10.980    75.320     9.100     0.000     2.550
   SRCPARAM A0000075     3.5314E-08    10.980    75.320     9.100     0.000     2.550
   SRCPARAM A0000076     3.5314E-08    10.980    75.320     9.100     0.000     2.550
   SRCPARAM A0000077     3.5314E-08    10.980    89.171     9.100     0.434     2.550
   SRCPARAM A0000078     3.5314E-08    10.980    89.171     9.100     0.434     2.550
   SRCPARAM A0000079     3.5314E-08    10.980    89.171     9.100     0.434     2.550
   SRCPARAM A0000080     3.5314E-08    10.980    89.171     9.100     0.434     2.550
   SRCPARAM A0000081     3.5314E-08    10.980    75.997     9.100     0.255     2.550
   SRCPARAM A0000082     3.5314E-08    10.980    75.997     9.100     0.255     2.550
   SRCPARAM A0000083     3.5314E-08    10.980    75.997     9.100     0.255     2.550
   SRCPARAM A0000084     3.5314E-08    10.980    75.997     9.100     0.255     2.550
   SRCPARAM A0000085     3.5314E-08    10.980    80.163     9.100    -0.322     2.550
```

```
   SRCPARAM A0000086     3.5314E-08    10.980    80.163     9.100    -0.322     2.550
   SRCPARAM A0000087     3.5314E-08    10.980    80.163     9.100    -0.322     2.550
   SRCPARAM A0000088     3.5314E-08    10.980    79.262     9.100    -0.326     2.550
   SRCPARAM A0000089     3.5314E-08    10.980    79.262     9.100    -0.326     2.550
   SRCPARAM A0000090     3.5314E-08    10.980    79.262     9.100    -0.326     2.550
   SRCPARAM A0000091     3.5314E-08    10.980    67.103     9.100    -0.385     2.550
   SRCPARAM A0000092     3.5314E-08    10.980    67.103     9.100    -0.385     2.550
   SRCPARAM A0000093     3.5314E-08    10.980    67.103     9.100    -0.385     2.550
** ------------------------------------------------------------------------
   URBANSRC ALL

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Day"
   EMISFACT A0000001     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000001     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000001     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000001     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000002     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000002     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000002     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000002     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000003     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000003     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000003     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000003     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000004     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000004     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000004     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000004     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000005     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000005     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000005     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000005     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000006     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000006     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000006     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000006     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000007     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000007     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000007     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000007     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000008     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000008     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000008     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000008     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000009     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000009     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000009     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000009     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000010     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000010     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000010     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000010     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000011     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000011     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000011     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000011     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000012     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000012     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000013     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000013     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000014     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000014     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000015     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000015     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000016     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000016     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000017     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000017     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000018     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000018     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000019     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000019     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000020     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000020     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
```

```
EMISFACT A0000026     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000026     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000027     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000027     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000027     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000027     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000028     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000028     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000028     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000028     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000029     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000029     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000029     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000029     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000030     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000030     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000030     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000030     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000031     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000031     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000031     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000031     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000032     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000032     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000032     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000032     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000033     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000033     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000033     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000033     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000034     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000034     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000034     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000034     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000035     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000035     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000035     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000035     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000036     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000036     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000036     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000036     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000037     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000037     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000037     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000037     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000038     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000038     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000038     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000038     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000039     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000039     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000039     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000039     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000040     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000040     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000040     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000040     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000041     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000041     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000041     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000041     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000042     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000042     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000042     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000042     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000043     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000043     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000043     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000043     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000044     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000044     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000044     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000044     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000045     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000045     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000045     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000045     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000046     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000046     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000046     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000046     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000047     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000047     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000047     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000047     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000048     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000048     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000048     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000048     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000049     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000049     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000049     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000049     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
```

```
** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Night"
   EMISFACT A0000050     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000050     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000050     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000051     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000051     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000052     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000052     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000053     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000053     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000054     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000054     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000055     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000055     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000056     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000056     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000057     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000057     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000058     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000058     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000059     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000059     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000060     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000060     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000061     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000061     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000062     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000062     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000063     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000063     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000064     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000064     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000065     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000065     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000066     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000066     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000067     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000067     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000068     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000068     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000069     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000069     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000070     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000070     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000071     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000071     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000072     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000072     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000072     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000072     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000073     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
```

```
   EMISFACT A0000073     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000073     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000073     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000074     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000074     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000074     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000074     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000075     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000075     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000075     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000075     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000076     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000076     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000076     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000076     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000077     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000077     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000077     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000077     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000078     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000078     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000078     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000078     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000079     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000079     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000079     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000079     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000080     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000080     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000080     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000080     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000081     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000081     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000081     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000081     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000082     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000082     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000082     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000082     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000083     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000083     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000083     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000083     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000084     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000084     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000084     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000084     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000085     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000085     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000085     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000085     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000086     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000086     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000086     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000086     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000087     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000087     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000087     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000087     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000088     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000088     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000088     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000088     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000089     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000089     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000089     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000089     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000090     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000090     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000090     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000090     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000091     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000091     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000091     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000091     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000092     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000092     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000092     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000092     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000093     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000093     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000093     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000093     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED Tri_Valley_S1_operation_2040_DPM.rou
RE FINISHED
**
```

```
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE ..\..\..\..\metdata\PLEASANTON_2010-2015\PLEASANTON_2010-2015.SFC
   PROFFILE ..\..\..\..\metdata\PLEASANTON_2010-2015\PLEASANTON_2010-2015.PFL
   SURFDATA 23285 2010
   UAIRDATA 23230 2010 OAKLAND/WSO_AP
   SITEDATA 1905 2010
   PROFBASE 99.1 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   PLOTFILE ANNUAL ALL TRI_VALLEY_S1_OPERATION_2040_DPM.AD\Tri-Valley_S1_operation_2040_annual_DPM.PLT 31
   SUMMFILE Tri_Valley_S1_operation_2040_DPM.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 MX W403     690       PFLCNV: Turbulence data is being used w/o ADJ_U* option       SigA Data
 MX W402     690       PFLCNV: Turbulence data being used with ADJ_U* w/o DFAULT        Option

 ***********************************
 *** SETUP Finishes Successfully ***
 ***********************************
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

**Model Is Setup For Calculation of Average CONCentration Values.

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for   88 Source(s),
  for Total of   1 Urban Area(s):
  Urban Population =   4656000.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Full Conversion Assumed for NO2.
        6. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:
        FASTAREA - Use hybrid approach to optimize AREA sources;
                   also applies to LINE sources (formerly TOXICS option)
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 88 Source(s);   1 Source Group(s); and   462 Receptor(s)

               with: 0 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 0 VOLUME source(s)
                and: 88 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with   0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 15181

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   99.10 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   3.6 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: Tri_Valley_S1_operation_2040_DPM.err
**File for Summary of Results: Tri_Valley_S1_operation_2040_DPM.sum

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000001	0	0.35310E-07	596390.1	4173280.8	101.4	5.87	81.71	9.10	0.47	1.37	YES	HROFDY
A0000002	0	0.35310E-07	596471.8	4173280.1	101.3	5.87	81.71	9.10	0.47	1.37	YES	HROFDY
A0000003	0	0.35310E-07	596553.5	4173279.5	101.3	5.87	80.36	9.10	0.00	1.37	YES	HROFDY
A0000004	0	0.35310E-07	596633.9	4173279.5	101.8	5.87	80.36	9.10	0.00	1.37	YES	HROFDY
A0000005	0	0.35310E-07	596714.3	4173279.5	103.7	5.87	82.38	9.10	0.00	1.37	YES	HROFDY
A0000006	0	0.35310E-07	596796.6	4173279.5	106.5	5.87	82.38	9.10	0.00	1.37	YES	HROFDY
A0000007	0	0.35310E-07	596879.0	4173279.5	108.0	5.87	75.63	9.10	0.00	1.37	YES	HROFDY
A0000008	0	0.35310E-07	596954.7	4173279.5	108.3	5.87	75.63	9.10	0.00	1.37	YES	HROFDY
A0000009	0	0.35310E-07	597030.3	4173279.5	108.6	5.87	81.71	9.10	0.00	1.37	YES	HROFDY
A0000010	0	0.35310E-07	597112.0	4173279.5	108.5	5.87	81.71	9.10	0.00	1.37	YES	HROFDY
A0000011	0	0.35310E-07	597193.6	4173279.5	109.8	5.87	58.09	9.10	1.33	1.37	YES	HROFDY
A0000012	0	0.35310E-07	597251.8	4173278.1	109.6	5.87	77.66	9.10	0.00	1.37	YES	HROFDY
A0000013	0	0.35310E-07	597329.4	4173278.1	108.8	5.87	77.66	9.10	0.00	1.37	YES	HROFDY
A0000014	0	0.35310E-07	597407.1	4173278.1	107.3	5.87	86.44	9.10	-0.45	1.37	YES	HROFDY
A0000015	0	0.35310E-07	597493.6	4173278.8	105.8	5.87	86.44	9.10	-0.45	1.37	YES	HROFDY
A0000016	0	0.35310E-07	597580.0	4173279.5	104.7	5.87	76.53	9.10	0.00	1.37	YES	HROFDY
A0000017	0	0.35310E-07	597656.5	4173279.5	104.3	5.87	76.53	9.10	0.00	1.37	YES	HROFDY
A0000018	0	0.35310E-07	597733.0	4173279.5	104.4	5.87	76.53	9.10	0.00	1.37	YES	HROFDY
A0000019	0	0.35310E-07	597809.6	4173279.5	104.6	5.87	77.63	9.10	-1.00	1.37	YES	HROFDY
A0000020	0	0.35310E-07	597887.3	4173280.8	104.9	5.87	77.63	9.10	-1.00	1.37	YES	HROFDY
A0000050	0	0.35310E-07	596390.1	4173280.8	101.4	10.98	81.71	9.10	0.47	2.55	YES	HROFDY
A0000051	0	0.35310E-07	596471.8	4173280.1	101.3	10.98	81.71	9.10	0.47	2.55	YES	HROFDY
A0000052	0	0.35310E-07	596553.5	4173279.5	101.3	10.98	80.36	9.10	0.00	2.55	YES	HROFDY
A0000053	0	0.35310E-07	596633.9	4173279.5	101.8	10.98	80.36	9.10	0.00	2.55	YES	HROFDY
A0000054	0	0.35310E-07	596714.3	4173279.5	103.7	10.98	82.38	9.10	0.00	2.55	YES	HROFDY
A0000055	0	0.35310E-07	596796.6	4173279.5	106.5	10.98	82.38	9.10	0.00	2.55	YES	HROFDY
A0000056	0	0.35310E-07	596879.0	4173279.5	108.0	10.98	75.63	9.10	0.00	2.55	YES	HROFDY
A0000057	0	0.35310E-07	596954.7	4173279.5	108.3	10.98	75.63	9.10	0.00	2.55	YES	HROFDY
A0000058	0	0.35310E-07	597030.3	4173279.5	108.6	10.98	81.71	9.10	0.00	2.55	YES	HROFDY
A0000059	0	0.35310E-07	597112.0	4173279.5	108.5	10.98	81.71	9.10	0.00	2.55	YES	HROFDY
A0000060	0	0.35310E-07	597193.6	4173279.5	109.8	10.98	58.09	9.10	1.33	2.55	YES	HROFDY
A0000061	0	0.35310E-07	597251.8	4173278.1	109.6	10.98	77.66	9.10	0.00	2.55	YES	HROFDY
A0000062	0	0.35310E-07	597329.4	4173278.1	108.8	10.98	77.66	9.10	0.00	2.55	YES	HROFDY
A0000063	0	0.35310E-07	597407.1	4173278.1	107.3	10.98	86.44	9.10	-0.45	2.55	YES	HROFDY
A0000064	0	0.35310E-07	597493.6	4173278.8	105.8	10.98	86.44	9.10	-0.45	2.55	YES	HROFDY
A0000065	0	0.35310E-07	597580.0	4173279.5	104.7	10.98	76.53	9.10	0.00	2.55	YES	HROFDY
A0000066	0	0.35310E-07	597656.5	4173279.5	104.3	10.98	76.53	9.10	0.00	2.55	YES	HROFDY
A0000067	0	0.35310E-07	597733.0	4173279.5	104.4	10.98	76.53	9.10	0.00	2.55	YES	HROFDY
A0000068	0	0.35310E-07	597809.6	4173279.5	104.6	10.98	77.63	9.10	-1.00	2.55	YES	HROFDY
A0000069	0	0.35310E-07	597887.3	4173280.8	104.9	10.98	77.63	9.10	-1.00	2.55	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000026	0	0.35314E-07	599448.5	4173289.6	106.4	5.87	61.70	9.10	0.42	1.37	YES	HROFDY
A0000027	0	0.35314E-07	599510.2	4173289.1	106.1	5.87	61.70	9.10	0.42	1.37	YES	HROFDY
A0000028	0	0.35314E-07	599571.9	4173288.7	106.1	5.87	61.70	9.10	0.42	1.37	YES	HROFDY
A0000029	0	0.35314E-07	599633.7	4173288.2	106.1	5.87	75.32	9.10	0.00	1.37	YES	HROFDY
A0000030	0	0.35314E-07	599709.0	4173288.2	106.1	5.87	75.32	9.10	0.00	1.37	YES	HROFDY
A0000031	0	0.35314E-07	599784.3	4173288.2	106.2	5.87	75.32	9.10	0.00	1.37	YES	HROFDY
A0000032	0	0.35314E-07	599859.6	4173288.2	106.5	5.87	75.32	9.10	0.00	1.37	YES	HROFDY
A0000033	0	0.35314E-07	599934.9	4173288.2	106.5	5.87	89.17	9.10	0.43	1.37	YES	HROFDY
A0000034	0	0.35314E-07	600024.1	4173287.5	106.5	5.87	89.17	9.10	0.43	1.37	YES	HROFDY
A0000035	0	0.35314E-07	600113.3	4173286.9	106.6	5.87	89.17	9.10	0.43	1.37	YES	HROFDY
A0000036	0	0.35314E-07	600202.4	4173286.2	106.6	5.87	89.17	9.10	0.43	1.37	YES	HROFDY
A0000037	0	0.35314E-07	600291.6	4173285.5	106.5	5.87	76.00	9.10	0.26	1.37	YES	HROFDY
A0000038	0	0.35314E-07	600367.6	4173285.2	106.5	5.87	76.00	9.10	0.26	1.37	YES	HROFDY
A0000039	0	0.35314E-07	600443.6	4173284.8	106.5	5.87	76.00	9.10	0.26	1.37	YES	HROFDY
A0000040	0	0.35314E-07	600519.6	4173284.5	106.6	5.87	76.00	9.10	0.26	1.37	YES	HROFDY
A0000041	0	0.35314E-07	600595.6	4173284.2	106.6	5.87	80.16	9.10	-0.32	1.37	YES	HROFDY
A0000042	0	0.35314E-07	600675.8	4173284.6	106.6	5.87	80.16	9.10	-0.32	1.37	YES	HROFDY
A0000043	0	0.35314E-07	600756.0	4173285.1	106.7	5.87	80.16	9.10	-0.32	1.37	YES	HROFDY
A0000044	0	0.35314E-07	600836.1	4173285.5	106.7	5.87	79.26	9.10	-0.33	1.37	YES	HROFDY
A0000045	0	0.35314E-07	600915.4	4173286.0	106.7	5.87	79.26	9.10	-0.33	1.37	YES	HROFDY
A0000046	0	0.35314E-07	600994.6	4173286.4	106.7	5.87	79.26	9.10	-0.33	1.37	YES	HROFDY
A0000047	0	0.35314E-07	601073.9	4173286.9	107.0	5.87	67.10	9.10	-0.39	1.37	YES	HROFDY
A0000048	0	0.35314E-07	601141.0	4173287.3	107.4	5.87	67.10	9.10	-0.39	1.37	YES	HROFDY
A0000049	0	0.35314E-07	601208.1	4173287.8	108.0	5.87	67.10	9.10	-0.39	1.37	YES	HROFDY
A0000070	0	0.35314E-07	599448.5	4173289.6	106.4	10.98	61.70	9.10	0.42	2.55	YES	HROFDY
A0000071	0	0.35314E-07	599510.2	4173289.1	106.1	10.98	61.70	9.10	0.42	2.55	YES	HROFDY
A0000072	0	0.35314E-07	599571.9	4173288.7	106.1	10.98	61.70	9.10	0.42	2.55	YES	HROFDY
A0000073	0	0.35314E-07	599633.7	4173288.2	106.1	10.98	75.32	9.10	0.00	2.55	YES	HROFDY
A0000074	0	0.35314E-07	599709.0	4173288.2	106.1	10.98	75.32	9.10	0.00	2.55	YES	HROFDY
A0000075	0	0.35314E-07	599784.3	4173288.2	106.2	10.98	75.32	9.10	0.00	2.55	YES	HROFDY
A0000076	0	0.35314E-07	599859.6	4173288.2	106.5	10.98	75.32	9.10	0.00	2.55	YES	HROFDY
A0000077	0	0.35314E-07	599934.9	4173288.2	106.5	10.98	89.17	9.10	0.43	2.55	YES	HROFDY
A0000078	0	0.35314E-07	600024.1	4173287.5	106.5	10.98	89.17	9.10	0.43	2.55	YES	HROFDY
A0000079	0	0.35314E-07	600113.3	4173286.9	106.6	10.98	89.17	9.10	0.43	2.55	YES	HROFDY
A0000080	0	0.35314E-07	600202.4	4173286.2	106.6	10.98	89.17	9.10	0.43	2.55	YES	HROFDY
A0000081	0	0.35314E-07	600291.6	4173285.5	106.5	10.98	76.00	9.10	0.26	2.55	YES	HROFDY
A0000082	0	0.35314E-07	600367.6	4173285.2	106.5	10.98	76.00	9.10	0.26	2.55	YES	HROFDY
A0000083	0	0.35314E-07	600443.6	4173284.8	106.5	10.98	76.00	9.10	0.26	2.55	YES	HROFDY
A0000084	0	0.35314E-07	600519.6	4173284.5	106.6	10.98	76.00	9.10	0.26	2.55	YES	HROFDY
A0000085	0	0.35314E-07	600595.6	4173284.2	106.6	10.98	80.16	9.10	-0.32	2.55	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000086	0	0.35314E-07	600675.8	4173284.6	106.6	10.98	80.16	9.10	-0.32	2.55	YES	HROFDY
A0000087	0	0.35314E-07	600756.0	4173285.1	106.7	10.98	80.16	9.10	-0.32	2.55	YES	HROFDY
A0000088	0	0.35314E-07	600836.1	4173285.5	106.7	10.98	79.26	9.10	-0.33	2.55	YES	HROFDY
A0000089	0	0.35314E-07	600915.4	4173286.0	106.7	10.98	79.26	9.10	-0.33	2.55	YES	HROFDY
A0000090	0	0.35314E-07	600994.6	4173286.4	106.7	10.98	79.26	9.10	-0.33	2.55	YES	HROFDY
A0000091	0	0.35314E-07	601073.9	4173286.9	107.0	10.98	67.10	9.10	-0.39	2.55	YES	HROFDY
A0000092	0	0.35314E-07	601141.0	4173287.3	107.4	10.98	67.10	9.10	-0.39	2.55	YES	HROFDY
A0000093	0	0.35314E-07	601208.1	4173287.8	108.0	10.98	67.10	9.10	-0.39	2.55	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	A0000001 , A0000002 , A0000003 , A0000004 , A0000005 , A0000006 , A0000007 , A0000008 ,
	A0000009 , A0000010 , A0000011 , A0000012 , A0000013 , A0000014 , A0000015 , A0000016 ,
	A0000017 , A0000018 , A0000019 , A0000020 , A0000050 , A0000051 , A0000052 , A0000053 ,
	A0000054 , A0000055 , A0000056 , A0000057 , A0000058 , A0000059 , A0000060 , A0000061 ,
	A0000062 , A0000063 , A0000064 , A0000065 , A0000066 , A0000067 , A0000068 , A0000069 ,
	A0000026 , A0000027 , A0000028 , A0000029 , A0000030 , A0000031 , A0000032 , A0000033 ,
	A0000034 , A0000035 , A0000036 , A0000037 , A0000038 , A0000039 , A0000040 , A0000041 ,
	A0000042 , A0000043 , A0000044 , A0000045 , A0000046 , A0000047 , A0000048 , A0000049 ,
	A0000070 , A0000071 , A0000072 , A0000073 , A0000074 , A0000075 , A0000076 , A0000077 ,
	A0000078 , A0000079 , A0000080 , A0000081 , A0000082 , A0000083 , A0000084 , A0000085 ,
	A0000086 , A0000087 , A0000088 , A0000089 , A0000090 , A0000091 , A0000092 , A0000093 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	4656000.	A0000001 , A0000002 , A0000003 , A0000004 , A0000005 , A0000006 , A0000007 , A0000008 ,
		A0000009 , A0000010 , A0000011 , A0000012 , A0000013 , A0000014 , A0000015 , A0000016 ,
		A0000017 , A0000018 , A0000019 , A0000020 , A0000050 , A0000051 , A0000052 , A0000053 ,
		A0000054 , A0000055 , A0000056 , A0000057 , A0000058 , A0000059 , A0000060 , A0000061 ,
		A0000062 , A0000063 , A0000064 , A0000065 , A0000066 , A0000067 , A0000068 , A0000069 ,
		A0000026 , A0000027 , A0000028 , A0000029 , A0000030 , A0000031 , A0000032 , A0000033 ,
		A0000034 , A0000035 , A0000036 , A0000037 , A0000038 , A0000039 , A0000040 , A0000041 ,
		A0000042 , A0000043 , A0000044 , A0000045 , A0000046 , A0000047 , A0000048 , A0000049 ,
		A0000070 , A0000071 , A0000072 , A0000073 , A0000074 , A0000075 , A0000076 , A0000077 ,
		A0000078 , A0000079 , A0000080 , A0000081 , A0000082 , A0000083 , A0000084 , A0000085 ,
		A0000086 , A0000087 , A0000088 , A0000089 , A0000090 , A0000091 , A0000092 , A0000093 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000001 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000002 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000003 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000004 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000005 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SOURCE ID = A0000006 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = A0000007 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = A0000008 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = A0000009 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = A0000010 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000011 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000012 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000013 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000014 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000015 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000016 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000017 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000018 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000019 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000020 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000050 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000051 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000052 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000053 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000054 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000055 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000056 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000057 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000058 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000059 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000060 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000061 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000062 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000063 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000064 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000065 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000066 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000067 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000068 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000069 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000026 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000027 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000028 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000029 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000030 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000031 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000032 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000033 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000034 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000035 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000036 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000037 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000038 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000039 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000040 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000041 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000042 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000043 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000044 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000045 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000046 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000047 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000048 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000049 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000070 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000071 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000072 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000073 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000074 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000075 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000076 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000077 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000078 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000079 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000080 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000081 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000082 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000083 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000084 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000085 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000086 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000087 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000088 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000089 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000090 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000091 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000092 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000093 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	600059.7,	4173029.1,	105.8,	105.8,	0.0);	(	600076.4,	4173220.6,	105.9,	105.9,	0.0);
(	600062.1,	4173202.7,	105.9,	105.9,	0.0);	(	600060.3,	4173181.3,	106.1,	106.1,	0.0);
(	600068.3,	4173158.9,	106.1,	106.1,	0.0);	(	600063.8,	4173141.0,	106.2,	106.2,	0.0);
(	600068.3,	4173118.7,	106.2,	106.2,	0.0);	(	600063.8,	4173099.0,	106.0,	106.0,	0.0);
(	600064.7,	4173077.5,	105.9,	105.9,	0.0);	(	600097.8,	4173221.5,	106.1,	106.1,	0.0);
(	600113.9,	4173205.4,	106.1,	106.1,	0.0);	(	600138.1,	4173204.5,	105.9,	105.9,	0.0);
(	600153.3,	4173221.5,	105.9,	105.9,	0.0);	(	600176.5,	4173221.5,	106.0,	106.0,	0.0);
(	600190.8,	4173202.7,	105.7,	105.7,	0.0);	(	600215.9,	4173204.5,	105.9,	105.9,	0.0);
(	600259.7,	4173235.8,	106.3,	106.3,	0.0);	(	600264.1,	4173217.9,	106.3,	106.3,	0.0);
(	600312.2,	4173227.6,	106.4,	106.4,	0.0);	(	600335.4,	4173229.4,	106.4,	106.4,	0.0);
(	600388.2,	4173227.6,	106.5,	106.5,	0.0);	(	600414.1,	4173228.5,	106.7,	106.7,	0.0);
(	600466.0,	4173227.6,	106.8,	106.8,	0.0);	(	600494.6,	4173229.4,	106.8,	106.8,	0.0);
(	600537.5,	4173220.4,	107.1,	107.1,	0.0);	(	600560.8,	4173228.5,	107.2,	107.2,	0.0);
(	600575.1,	4173229.4,	107.2,	107.2,	0.0);	(	600591.2,	4173225.8,	107.2,	107.2,	0.0);
(	600605.5,	4173226.7,	107.3,	107.3,	0.0);	(	600621.6,	4173226.7,	107.2,	107.2,	0.0);
(	600635.0,	4173226.7,	107.3,	107.3,	0.0);	(	600653.8,	4173225.8,	107.2,	107.2,	0.0);
(	600668.1,	4173227.6,	107.2,	107.2,	0.0);	(	600684.2,	4173229.7,	107.1,	107.1,	0.0);
(	600698.5,	4173218.6,	107.1,	107.1,	0.0);	(	600696.9,	4173199.7,	107.0,	107.0,	0.0);
(	600657.4,	4173189.3,	107.3,	107.3,	0.0);	(	600637.8,	4173192.0,	107.2,	107.2,	0.0);
(	600623.3,	4173189.9,	107.3,	107.3,	0.0);	(	600608.8,	4173192.0,	107.1,	107.1,	0.0);
(	600593.0,	4173187.2,	107.3,	107.3,	0.0);	(	600577.8,	4173189.6,	107.1,	107.1,	0.0);
(	600535.7,	4173203.1,	107.0,	107.0,	0.0);	(	600506.7,	4173200.4,	106.7,	106.7,	0.0);
(	600453.0,	4173209.2,	106.8,	106.8,	0.0);	(	600426.7,	4173210.2,	106.5,	106.5,	0.0);
(	600375.8,	4173210.2,	106.4,	106.4,	0.0);	(	600349.5,	4173209.5,	106.2,	106.2,	0.0);
(	600657.7,	4173164.3,	106.9,	106.9,	0.0);	(	600652.7,	4173142.7,	106.8,	106.8,	0.0);
(	600645.3,	4173130.9,	106.5,	106.5,	0.0);	(	600626.0,	4173150.8,	107.0,	107.0,	0.0);
(	600611.2,	4173154.5,	106.9,	106.9,	0.0);	(	600593.3,	4173156.5,	107.0,	107.0,	0.0);
(	600577.1,	4173157.6,	107.1,	107.1,	0.0);	(	600536.7,	4173187.2,	106.9,	106.9,	0.0);
(	600541.4,	4173171.7,	106.9,	106.9,	0.0);	(	600501.9,	4173177.5,	106.4,	106.4,	0.0);
(	600537.3,	4173156.5,	106.8,	106.8,	0.0);	(	600502.3,	4173160.6,	106.4,	106.4,	0.0);
(	600453.4,	4173178.1,	106.6,	106.6,	0.0);	(	600424.0,	4173176.8,	106.2,	106.2,	0.0);
(	600454.4,	4173158.2,	106.5,	106.5,	0.0);	(	600426.0,	4173159.2,	106.2,	106.2,	0.0);
(	600695.5,	4173182.9,	107.0,	107.0,	0.0);	(	600695.9,	4173169.0,	106.9,	106.9,	0.0);
(	600697.2,	4173151.2,	106.8,	106.8,	0.0);	(	600693.2,	4173136.0,	106.7,	106.7,	0.0);
(	600688.1,	4173119.1,	106.8,	106.8,	0.0);	(	600676.0,	4173103.3,	106.7,	106.7,	0.0);
(	600574.1,	4173113.0,	107.0,	107.0,	0.0);	(	600591.6,	4173110.7,	107.1,	107.1,	0.0);
(	600604.1,	4173103.6,	106.9,	106.9,	0.0);	(	600621.7,	4173096.9,	106.8,	106.8,	0.0);
(	600632.8,	4173086.4,	106.8,	106.8,	0.0);	(	600644.9,	4173072.2,	106.7,	106.7,	0.0);
(	600690.1,	4173088.4,	106.9,	106.9,	0.0);	(	600696.9,	4173067.5,	106.7,	106.7,	0.0);
(	600705.0,	4173047.9,	106.8,	106.8,	0.0);	(	600653.0,	4173058.1,	106.6,	106.6,	0.0);
(	600111.0,	4173181.3,	106.0,	106.0,	0.0);	(	600138.1,	4173182.6,	105.8,	105.8,	0.0);
(	600187.8,	4173183.3,	105.8,	105.8,	0.0);	(	600218.2,	4173187.1,	105.9,	105.9,	0.0);
(	600109.7,	4173160.0,	106.2,	106.2,	0.0);	(	600140.0,	4173160.0,	105.8,	105.8,	0.0);
(	600185.2,	4173161.3,	105.8,	105.8,	0.0);	(	600265.4,	4173198.8,	106.1,	106.1,	0.0);
(	600296.4,	4173210.4,	106.3,	106.3,	0.0);	(	600268.0,	4173175.5,	105.9,	105.9,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	600297.7,	4173176.2,	106.1,	106.1,	0.0);	(600348.1,	4173176.2,	106.0,	106.0,	0.0);
(	600375.2,	4173176.8,	106.2,	106.2,	0.0);	(600109.7,	4173141.9,	106.1,	106.1,	0.0);
(	600138.7,	4173141.3,	105.8,	105.8,	0.0);	(600109.0,	4173120.6,	105.9,	105.9,	0.0);
(	600143.9,	4173121.2,	105.8,	105.8,	0.0);	(600184.0,	4173141.9,	105.8,	105.8,	0.0);
(	600216.9,	4173143.2,	105.7,	105.7,	0.0);	(600218.2,	4173164.5,	105.8,	105.8,	0.0);
(	600217.6,	4173124.5,	105.9,	105.9,	0.0);	(600185.2,	4173120.6,	105.8,	105.8,	0.0);
(	600107.7,	4173100.6,	105.8,	105.8,	0.0);	(600142.0,	4173101.2,	105.8,	105.8,	0.0);
(	600185.9,	4173100.6,	105.8,	105.8,	0.0);	(600216.9,	4173103.2,	105.8,	105.8,	0.0);
(	600111.6,	4173078.6,	106.0,	106.0,	0.0);	(600140.7,	4173076.7,	105.8,	105.8,	0.0);
(	600189.1,	4173081.2,	105.6,	105.6,	0.0);	(600219.5,	4173079.3,	105.9,	105.9,	0.0);
(	600269.9,	4173154.8,	105.8,	105.8,	0.0);	(600297.7,	4173158.1,	105.9,	105.9,	0.0);
(	600346.8,	4173158.1,	106.0,	106.0,	0.0);	(600377.8,	4173156.8,	106.0,	106.0,	0.0);
(	600267.3,	4173112.8,	105.6,	105.6,	0.0);	(600292.5,	4173106.4,	105.9,	105.9,	0.0);
(	600315.1,	4173106.4,	105.8,	105.8,	0.0);	(600336.4,	4173105.1,	106.2,	106.2,	0.0);
(	600355.8,	4173107.0,	106.2,	106.2,	0.0);	(600375.2,	4173107.7,	106.3,	106.3,	0.0);
(	600397.8,	4173107.0,	106.2,	106.2,	0.0);	(600416.6,	4173107.0,	106.3,	106.3,	0.0);
(	600437.9,	4173107.0,	106.3,	106.3,	0.0);	(600456.0,	4173107.7,	106.3,	106.3,	0.0);
(	600501.8,	4173109.6,	106.5,	106.5,	0.0);	(600538.7,	4173113.5,	106.8,	106.8,	0.0);
(	600266.7,	4173088.9,	105.8,	105.8,	0.0);	(600315.1,	4173079.9,	106.3,	106.3,	0.0);
(	600338.4,	4173081.2,	106.3,	106.3,	0.0);	(600357.8,	4173080.5,	106.4,	106.4,	0.0);
(	600375.2,	4173080.5,	106.3,	106.3,	0.0);	(600399.8,	4173078.6,	106.3,	106.3,	0.0);
(	600418.5,	4173080.5,	106.3,	106.3,	0.0);	(600440.5,	4173079.9,	106.3,	106.3,	0.0);
(	600456.6,	4173079.9,	106.3,	106.3,	0.0);	(600504.4,	4173091.5,	106.7,	106.7,	0.0);
(	600538.7,	4173088.9,	106.8,	106.8,	0.0);	(600576.2,	4173086.4,	106.9,	106.9,	0.0);
(	600502.5,	4173071.5,	106.5,	106.5,	0.0);	(600536.7,	4173067.0,	107.0,	107.0,	0.0);
(	600576.2,	4173068.9,	107.0,	107.0,	0.0);	(600596.8,	4173066.3,	107.2,	107.2,	0.0);
(	600612.3,	4173059.2,	107.3,	107.3,	0.0);	(600623.3,	4173045.0,	107.3,	107.3,	0.0);
(	600658.9,	4173042.4,	106.6,	106.6,	0.0);	(600707.3,	4173026.9,	106.8,	106.8,	0.0);
(	600706.0,	4173003.7,	106.8,	106.8,	0.0);	(600704.7,	4172985.6,	106.6,	106.6,	0.0);
(	600708.0,	4172963.6,	106.8,	106.8,	0.0);	(600662.7,	4173027.6,	106.8,	106.8,	0.0);
(	600662.1,	4173011.4,	106.8,	106.8,	0.0);	(600622.0,	4173020.5,	107.4,	107.4,	0.0);
(	600602.0,	4173012.1,	107.3,	107.3,	0.0);	(600587.1,	4173015.9,	107.3,	107.3,	0.0);
(	600569.7,	4173017.9,	107.1,	107.1,	0.0);	(600551.0,	4173018.5,	107.2,	107.2,	0.0);
(	600536.1,	4173026.9,	107.2,	107.2,	0.0);	(600537.4,	4173048.2,	107.0,	107.0,	0.0);
(	600505.7,	4173046.9,	106.6,	106.6,	0.0);	(600297.7,	4173062.5,	106.3,	106.3,	0.0);
(	600269.2,	4173068.9,	105.6,	105.6,	0.0);	(600270.5,	4173048.9,	105.3,	105.3,	0.0);
(	600080.6,	4173028.2,	105.9,	105.9,	0.0);	(600100.6,	4173027.6,	105.9,	105.9,	0.0);
(	600123.2,	4173028.2,	105.8,	105.8,	0.0);	(600140.7,	4173028.9,	105.8,	105.8,	0.0);
(	600159.4,	4173028.2,	105.7,	105.7,	0.0);	(600179.4,	4173030.8,	105.7,	105.7,	0.0);
(	600199.5,	4173029.5,	105.8,	105.8,	0.0);	(600218.9,	4173027.6,	105.7,	105.7,	0.0);
(	600270.5,	4173029.5,	105.5,	105.5,	0.0);	(600297.7,	4173041.8,	106.3,	106.3,	0.0);
(	600342.9,	4173032.1,	106.1,	106.1,	0.0);	(600364.9,	4173031.4,	106.2,	106.2,	0.0);
(	600383.6,	4173031.4,	106.3,	106.3,	0.0);	(600404.3,	4173031.4,	106.4,	106.4,	0.0);
(	600423.0,	4173031.4,	106.3,	106.3,	0.0);	(600443.7,	4173034.0,	106.3,	106.3,	0.0);
(	600466.3,	4173032.1,	106.4,	106.4,	0.0);	(600487.6,	4173031.4,	106.6,	106.6,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	600072.8,	4172998.5,	106.0,	106.0,	0.0);	(	600100.0,	4172999.1,	105.9,	105.9,	0.0);
(	600120.0,	4172998.5,	105.8,	105.8,	0.0);	(	600139.4,	4172999.8,	105.8,	105.8,	0.0);
(	600159.4,	4172999.1,	105.6,	105.6,	0.0);	(	600179.4,	4173001.1,	105.5,	105.5,	0.0);
(	600198.8,	4172997.8,	105.6,	105.6,	0.0);	(	600218.9,	4173001.1,	105.5,	105.5,	0.0);
(	600269.2,	4173002.4,	105.4,	105.4,	0.0);	(	600297.7,	4173021.1,	106.1,	106.1,	0.0);
(	600298.3,	4173002.4,	105.9,	105.9,	0.0);	(	600346.1,	4173003.7,	105.9,	105.9,	0.0);
(	600366.2,	4173004.3,	106.1,	106.1,	0.0);	(	600384.2,	4173004.3,	106.2,	106.2,	0.0);
(	600404.9,	4173006.2,	106.2,	106.2,	0.0);	(	600425.0,	4173005.6,	106.1,	106.1,	0.0);
(	600443.1,	4173007.5,	106.2,	106.2,	0.0);	(	600465.7,	4173005.6,	106.1,	106.1,	0.0);
(	600488.9,	4173007.5,	106.3,	106.3,	0.0);	(	600505.1,	4172990.7,	106.3,	106.3,	0.0);
(	600551.0,	4172990.1,	107.0,	107.0,	0.0);	(	600568.4,	4172990.1,	106.8,	106.8,	0.0);
(	600585.8,	4172982.3,	106.8,	106.8,	0.0);	(	600601.3,	4172983.0,	106.7,	106.7,	0.0);
(	600616.9,	4172984.3,	106.7,	106.7,	0.0);	(	600630.4,	4172984.9,	106.7,	106.7,	0.0);
(	600644.6,	4172986.9,	106.6,	106.6,	0.0);	(	600662.1,	4172988.1,	106.7,	106.7,	0.0);
(	600061.2,	4172970.7,	105.9,	105.9,	0.0);	(	599774.5,	4173081.7,	105.5,	105.5,	0.0);
(	599792.1,	4173082.8,	105.9,	105.9,	0.0);	(	599811.9,	4173082.2,	105.8,	105.8,	0.0);
(	599829.4,	4173086.1,	105.8,	105.8,	0.0);	(	599853.0,	4173083.3,	105.9,	105.9,	0.0);
(	599870.6,	4173082.8,	105.8,	105.8,	0.0);	(	599891.5,	4173081.1,	105.8,	105.8,	0.0);
(	599908.5,	4173084.4,	105.8,	105.8,	0.0);	(	599928.8,	4173083.9,	105.7,	105.7,	0.0);
(	599950.2,	4173084.4,	105.6,	105.6,	0.0);	(	599970.0,	4173085.0,	105.5,	105.5,	0.0);
(	599992.5,	4173082.8,	105.7,	105.7,	0.0);	(	600011.2,	4173085.5,	105.8,	105.8,	0.0);
(	599773.4,	4173107.2,	105.6,	105.6,	0.0);	(	599798.4,	4173107.2,	105.5,	105.5,	0.0);
(	599823.4,	4173107.2,	105.7,	105.7,	0.0);	(	599848.4,	4173107.2,	105.9,	105.9,	0.0);
(	599873.4,	4173107.2,	105.6,	105.6,	0.0);	(	599898.4,	4173107.2,	105.8,	105.8,	0.0);
(	599923.4,	4173107.2,	105.5,	105.5,	0.0);	(	599948.4,	4173107.2,	105.9,	105.9,	0.0);
(	599973.4,	4173107.2,	105.8,	105.8,	0.0);	(	599773.4,	4173132.2,	105.8,	105.8,	0.0);
(	599798.4,	4173132.2,	105.3,	105.3,	0.0);	(	599823.4,	4173132.2,	105.4,	105.4,	0.0);
(	599873.4,	4173132.2,	105.5,	105.5,	0.0);	(	599898.4,	4173132.2,	105.7,	105.7,	0.0);
(	599973.4,	4173132.2,	105.7,	105.7,	0.0);	(	599773.4,	4173157.2,	105.8,	105.8,	0.0);
(	599823.4,	4173157.2,	105.5,	105.5,	0.0);	(	599848.4,	4173157.2,	105.5,	105.5,	0.0);
(	599873.4,	4173157.2,	105.4,	105.4,	0.0);	(	599898.4,	4173157.2,	105.8,	105.8,	0.0);
(	599923.4,	4173157.2,	105.4,	105.4,	0.0);	(	599948.4,	4173157.2,	105.7,	105.7,	0.0);
(	599973.4,	4173157.2,	105.7,	105.7,	0.0);	(	599773.4,	4173182.2,	106.1,	106.1,	0.0);
(	599823.4,	4173182.2,	105.8,	105.8,	0.0);	(	599848.4,	4173182.2,	105.7,	105.7,	0.0);
(	599873.4,	4173182.2,	105.6,	105.6,	0.0);	(	599898.4,	4173182.2,	105.6,	105.6,	0.0);
(	599923.4,	4173182.2,	105.8,	105.8,	0.0);	(	599948.4,	4173182.2,	105.9,	105.9,	0.0);
(	599973.4,	4173182.2,	105.8,	105.8,	0.0);	(	599773.4,	4173207.2,	106.2,	106.2,	0.0);
(	599798.4,	4173207.2,	105.7,	105.7,	0.0);	(	599823.4,	4173207.2,	105.9,	105.9,	0.0);
(	599873.4,	4173207.2,	106.1,	106.1,	0.0);	(	599898.4,	4173207.2,	105.8,	105.8,	0.0);
(	599973.4,	4173207.2,	106.1,	106.1,	0.0);	(	599773.4,	4173232.2,	105.7,	105.7,	0.0);
(	599798.4,	4173232.2,	105.7,	105.7,	0.0);	(	599823.4,	4173232.2,	105.7,	105.7,	0.0);
(	599848.4,	4173232.2,	105.6,	105.6,	0.0);	(	599873.4,	4173232.2,	105.7,	105.7,	0.0);
(	599898.4,	4173232.2,	105.4,	105.4,	0.0);	(	599923.4,	4173232.2,	105.5,	105.5,	0.0);
(	599948.4,	4173232.2,	105.6,	105.6,	0.0);	(	599973.4,	4173232.2,	105.7,	105.7,	0.0);
(	599764.1,	4173028.3,	105.8,	105.8,	0.0);	(	599785.4,	4173024.4,	105.7,	105.7,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	599807.4,	4173025.0,	105.9,	105.9,	0.0);	(599847.4,	4173028.3,	105.8,	105.8,	0.0);
(	599868.8,	4173030.2,	105.7,	105.7,	0.0);	(599888.1,	4173032.8,	105.8,	105.8,	0.0);
(	599904.9,	4173030.2,	105.8,	105.8,	0.0);	(599928.8,	4173031.5,	105.7,	105.7,	0.0);
(	599944.4,	4173032.2,	105.6,	105.6,	0.0);	(599963.1,	4173030.2,	105.7,	105.7,	0.0);
(	600005.7,	4173036.0,	105.6,	105.6,	0.0);	(600007.0,	4173011.5,	105.8,	105.8,	0.0);
(	599957.9,	4173007.0,	105.9,	105.9,	0.0);	(599929.5,	4172992.7,	105.7,	105.7,	0.0);
(	599906.9,	4173007.0,	105.9,	105.9,	0.0);	(599886.2,	4172999.8,	105.8,	105.8,	0.0);
(	599850.0,	4173006.3,	105.8,	105.8,	0.0);	(599739.5,	4173025.0,	105.4,	105.4,	0.0);
(	599703.3,	4173028.3,	105.1,	105.1,	0.0);	(599685.2,	4173024.4,	104.9,	104.9,	0.0);
(	599733.1,	4173003.1,	105.4,	105.4,	0.0);	(599696.9,	4173000.5,	105.0,	105.0,	0.0);
(	599733.7,	4173082.6,	105.5,	105.5,	0.0);	(599714.3,	4173082.6,	105.4,	105.4,	0.0);
(	599692.4,	4173076.7,	105.1,	105.1,	0.0);	(599673.6,	4173073.5,	105.1,	105.1,	0.0);
(	599653.6,	4173069.6,	104.9,	104.9,	0.0);	(599637.4,	4173063.8,	105.0,	105.0,	0.0);
(	599618.7,	4173056.1,	104.8,	104.8,	0.0);	(599601.9,	4173050.9,	104.8,	104.8,	0.0);
(	599581.9,	4173041.8,	104.8,	104.8,	0.0);	(599566.3,	4173030.9,	104.6,	104.6,	0.0);
(	599549.5,	4173019.9,	104.5,	104.5,	0.0);	(599534.7,	4173008.9,	104.6,	104.6,	0.0);
(	599519.2,	4172997.3,	104.6,	104.6,	0.0);	(599505.6,	4172979.8,	104.5,	104.5,	0.0);
(	599459.1,	4172988.2,	104.7,	104.7,	0.0);	(599435.2,	4172988.9,	104.8,	104.8,	0.0);
(	599476.5,	4172972.7,	104.5,	104.5,	0.0);	(599488.2,	4172959.8,	104.5,	104.5,	0.0);
(	597065.0,	4173420.0,	102.1,	102.1,	0.0);	(597090.0,	4173420.0,	102.5,	102.5,	0.0);
(	597115.0,	4173420.0,	102.6,	102.6,	0.0);	(597040.0,	4173445.0,	102.3,	102.3,	0.0);
(	597065.0,	4173445.0,	102.5,	102.5,	0.0);	(597090.0,	4173445.0,	102.7,	102.7,	0.0);
(	597115.0,	4173445.0,	102.7,	102.7,	0.0);	(597140.0,	4173445.0,	102.4,	102.4,	0.0);
(	597015.0,	4173470.0,	102.3,	102.3,	0.0);	(597040.0,	4173470.0,	102.3,	102.3,	0.0);
(	597065.0,	4173470.0,	102.2,	102.2,	0.0);	(597115.0,	4173470.0,	102.6,	102.6,	0.0);
(	597140.0,	4173470.0,	102.2,	102.2,	0.0);	(597165.0,	4173470.0,	102.6,	102.6,	0.0);
(	597015.0,	4173495.0,	102.6,	102.6,	0.0);	(597040.0,	4173495.0,	102.7,	102.7,	0.0);
(	597065.0,	4173495.0,	102.5,	102.5,	0.0);	(597115.0,	4173495.0,	102.7,	102.7,	0.0);
(	597140.0,	4173495.0,	102.5,	102.5,	0.0);	(597165.0,	4173495.0,	102.8,	102.8,	0.0);
(	597190.0,	4173495.0,	102.8,	102.8,	0.0);	(597015.0,	4173520.0,	102.4,	102.4,	0.0);
(	597040.0,	4173520.0,	102.5,	102.5,	0.0);	(597065.0,	4173520.0,	102.4,	102.4,	0.0);
(	597115.0,	4173520.0,	102.7,	102.7,	0.0);	(597140.0,	4173520.0,	102.3,	102.3,	0.0);
(	597165.0,	4173520.0,	102.6,	102.6,	0.0);	(597190.0,	4173520.0,	102.4,	102.4,	0.0);
(	597015.0,	4173545.0,	102.6,	102.6,	0.0);	(597040.0,	4173545.0,	102.8,	102.8,	0.0);
(	597065.0,	4173545.0,	102.8,	102.8,	0.0);	(597115.0,	4173545.0,	102.9,	102.9,	0.0);
(	597140.0,	4173545.0,	102.7,	102.7,	0.0);	(597165.0,	4173545.0,	102.9,	102.9,	0.0);
(	597190.0,	4173545.0,	102.8,	102.8,	0.0);	(597015.0,	4173570.0,	102.9,	102.9,	0.0);
(	597040.0,	4173570.0,	103.0,	103.0,	0.0);	(597065.0,	4173570.0,	103.1,	103.1,	0.0);
(	597115.0,	4173570.0,	103.2,	103.2,	0.0);	(597140.0,	4173570.0,	103.2,	103.2,	0.0);
(	597165.0,	4173570.0,	103.1,	103.1,	0.0);	(597190.0,	4173570.0,	103.3,	103.3,	0.0);
(	597015.0,	4173595.0,	103.1,	103.1,	0.0);	(597040.0,	4173595.0,	103.1,	103.1,	0.0);
(	597065.0,	4173595.0,	103.3,	103.3,	0.0);	(597115.0,	4173595.0,	103.5,	103.5,	0.0);
(	597140.0,	4173595.0,	103.4,	103.4,	0.0);	(597165.0,	4173595.0,	103.3,	103.3,	0.0);
(	597190.0,	4173595.0,	103.4,	103.4,	0.0);	(597015.0,	4173620.0,	103.0,	103.0,	0.0);
(	597040.0,	4173620.0,	103.2,	103.2,	0.0);	(597065.0,	4173620.0,	103.4,	103.4,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(597115.0,	4173620.0,	104.1,	104.1,	0.0);	(597140.0,	4173620.0,	103.7,	103.7,	0.0);
(597165.0,	4173620.0,	103.7,	103.7,	0.0);	(597190.0,	4173620.0,	103.5,	103.5,	0.0);
(597015.0,	4173645.0,	102.8,	102.8,	0.0);	(597040.0,	4173645.0,	103.2,	103.2,	0.0);
(597065.0,	4173645.0,	103.5,	103.5,	0.0);	(597115.0,	4173645.0,	104.1,	104.1,	0.0);
(597140.0,	4173645.0,	104.0,	104.0,	0.0);	(597165.0,	4173645.0,	103.6,	103.6,	0.0);
(597190.0,	4173645.0,	103.7,	103.7,	0.0);	(597015.0,	4173670.0,	102.9,	102.9,	0.0);
(597040.0,	4173670.0,	103.4,	103.4,	0.0);	(597065.0,	4173670.0,	103.7,	103.7,	0.0);
(597115.0,	4173670.0,	104.0,	104.0,	0.0);	(597140.0,	4173670.0,	104.0,	104.0,	0.0);
(597165.0,	4173670.0,	103.8,	103.8,	0.0);	(597190.0,	4173670.0,	103.6,	103.6,	0.0);
(597015.0,	4173695.0,	103.1,	103.1,	0.0);	(597040.0,	4173695.0,	103.5,	103.5,	0.0);
(597065.0,	4173695.0,	103.9,	103.9,	0.0);	(597115.0,	4173695.0,	104.1,	104.1,	0.0);
(597140.0,	4173695.0,	104.1,	104.1,	0.0);	(597165.0,	4173695.0,	104.0,	104.0,	0.0);
(597190.0,	4173695.0,	103.8,	103.8,	0.0);	(597015.0,	4173720.0,	103.4,	103.4,	0.0);
(597040.0,	4173720.0,	103.7,	103.7,	0.0);	(597065.0,	4173720.0,	103.9,	103.9,	0.0);
(597115.0,	4173720.0,	104.1,	104.1,	0.0);	(597140.0,	4173720.0,	104.1,	104.1,	0.0);
(597165.0,	4173720.0,	104.2,	104.2,	0.0);	(597190.0,	4173720.0,	104.1,	104.1,	0.0);
(597232.8,	4173605.0,	103.1,	103.1,	0.0);	(597257.8,	4173605.0,	102.9,	102.9,	0.0);
(597282.8,	4173605.0,	102.8,	102.8,	0.0);	(597307.8,	4173605.0,	103.0,	103.0,	0.0);
(597232.8,	4173630.0,	103.4,	103.4,	0.0);	(597257.8,	4173630.0,	103.1,	103.1,	0.0);
(597282.8,	4173630.0,	103.1,	103.1,	0.0);	(597307.8,	4173630.0,	103.2,	103.2,	0.0);
(597232.8,	4173655.0,	103.4,	103.4,	0.0);	(597257.8,	4173655.0,	103.2,	103.2,	0.0);
(597282.8,	4173655.0,	103.3,	103.3,	0.0);	(597307.8,	4173655.0,	103.4,	103.4,	0.0);
(597232.8,	4173680.0,	103.7,	103.7,	0.0);	(597257.8,	4173680.0,	103.5,	103.5,	0.0);
(597282.8,	4173680.0,	103.6,	103.6,	0.0);	(597307.8,	4173680.0,	103.7,	103.7,	0.0);
(597232.8,	4173705.0,	103.8,	103.8,	0.0);	(597257.8,	4173705.0,	103.7,	103.7,	0.0);
(597282.8,	4173705.0,	103.6,	103.6,	0.0);	(597307.8,	4173705.0,	103.6,	103.6,	0.0);
(597232.8,	4173730.0,	103.9,	103.9,	0.0);	(597257.8,	4173730.0,	103.6,	103.6,	0.0);
(597282.8,	4173730.0,	103.6,	103.6,	0.0);	(597307.8,	4173730.0,	103.5,	103.5,	0.0);
(597232.8,	4173755.0,	103.9,	103.9,	0.0);	(597257.8,	4173755.0,	103.6,	103.6,	0.0);
(597282.8,	4173755.0,	103.7,	103.7,	0.0);	(597307.8,	4173755.0,	103.8,	103.8,	0.0);
(597160.0,	4172930.0,	100.9,	100.9,	0.0);	(597185.0,	4172930.0,	100.7,	100.7,	0.0);
(597210.0,	4172930.0,	100.9,	100.9,	0.0);	(597235.0,	4172930.0,	100.7,	100.7,	0.0);
(597260.0,	4172930.0,	100.6,	100.6,	0.0);	(597285.0,	4172930.0,	100.8,	100.8,	0.0);
(597310.0,	4172930.0,	100.9,	100.9,	0.0);	(597160.0,	4172955.0,	100.7,	100.7,	0.0);
(597185.0,	4172955.0,	100.6,	100.6,	0.0);	(597210.0,	4172955.0,	100.7,	100.7,	0.0);
(597235.0,	4172955.0,	100.7,	100.7,	0.0);	(597260.0,	4172955.0,	100.8,	100.8,	0.0);
(597285.0,	4172955.0,	100.8,	100.8,	0.0);	(597310.0,	4172955.0,	100.8,	100.8,	0.0);
(597160.0,	4172980.0,	100.7,	100.7,	0.0);	(597185.0,	4172980.0,	100.6,	100.6,	0.0);
(597210.0,	4172980.0,	100.6,	100.6,	0.0);	(597235.0,	4172980.0,	100.7,	100.7,	0.0);
(597260.0,	4172980.0,	100.7,	100.7,	0.0);	(597285.0,	4172980.0,	100.6,	100.6,	0.0);
(597310.0,	4172980.0,	100.9,	100.9,	0.0);	(597160.0,	4173005.0,	100.6,	100.6,	0.0);
(597185.0,	4173005.0,	100.5,	100.5,	0.0);	(597210.0,	4173005.0,	100.6,	100.6,	0.0);
(597235.0,	4173005.0,	100.6,	100.6,	0.0);	(597260.0,	4173005.0,	100.8,	100.8,	0.0);
(597285.0,	4173005.0,	100.7,	100.7,	0.0);	(597310.0,	4173005.0,	100.8,	100.8,	0.0);
(597160.0,	4173030.0,	100.7,	100.7,	0.0);	(597185.0,	4173030.0,	100.5,	100.5,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	597210.0,	4173030.0,	100.6,	100.6,	0.0);	(	597235.0,	4173030.0,	100.7,	100.7,	0.0);
(	597260.0,	4173030.0,	100.8,	100.8,	0.0);	(	597285.0,	4173030.0,	100.9,	100.9,	0.0);
(	597310.0,	4173030.0,	101.0,	101.0,	0.0);	(	597160.0,	4173055.0,	101.1,	101.1,	0.0);
(	597185.0,	4173055.0,	100.6,	100.6,	0.0);	(	597210.0,	4173055.0,	100.8,	100.8,	0.0);
(	597235.0,	4173055.0,	100.7,	100.7,	0.0);	(	597260.0,	4173055.0,	100.9,	100.9,	0.0);
(	597285.0,	4173055.0,	101.0,	101.0,	0.0);	(	597310.0,	4173055.0,	101.1,	101.1,	0.0);

```
                                              *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                                (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1

               NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.


                                    *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                                             (METERS/SEC)

                                                   1.54,   3.09,   5.14,   8.23,  10.80,
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\..\..\..\metdata\PLEASANTON_2010-2015\PLEASANTON_2010-2015.SFC Met Version: 15181
Profile file: ..\..\..\..\metdata\PLEASANTON_2010-2015\PLEASANTON_2010-2015.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23285 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2010 Year: 2010

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
10	01	01	1	01	-0.8	0.028	-9.000	-9.000	-999.	11.	2.3	0.03	0.99	1.00	0.80	164.	10.0	281.4	6.2
10	01	01	1	02	-2.9	0.055	-9.000	-9.000	-999.	31.	5.3	0.13	0.99	1.00	1.20	250.	10.0	281.4	6.2
10	01	01	1	03	-1.4	0.037	-9.000	-9.000	-999.	17.	3.4	0.08	0.99	1.00	0.90	353.	10.0	281.4	6.2
10	01	01	1	04	-1.1	0.033	-9.000	-9.000	-999.	15.	3.0	0.08	0.99	1.00	0.80	345.	10.0	281.4	6.2
10	01	01	1	05	-1.0	0.035	-9.000	-9.000	-999.	16.	3.8	0.03	0.99	1.00	1.00	156.	10.0	281.0	6.2
10	01	01	1	06	-0.7	0.033	-9.000	-9.000	-999.	14.	4.5	0.14	0.99	1.00	0.70	9.	10.0	281.4	6.2
10	01	01	1	07	-1.3	0.037	-9.000	-9.000	-999.	17.	3.5	0.13	0.99	1.00	0.80	212.	10.0	281.4	6.2
10	01	01	1	08	-0.8	0.031	-9.000	-9.000	-999.	13.	3.4	0.03	0.99	0.75	0.90	194.	10.0	281.4	6.2
10	01	01	1	09	1.0	0.070	0.059	0.010	8.	45.	-32.2	0.03	0.99	0.40	0.90	152.	10.0	281.5	6.2
10	01	01	1	10	7.6	0.126	0.228	0.009	56.	107.	-23.6	0.11	0.99	0.28	1.20	330.	10.0	282.2	6.2
10	01	01	1	11	86.1	0.141	0.845	0.006	253.	127.	-3.0	0.11	0.99	0.23	1.00	319.	10.0	283.4	6.2
10	01	01	1	12	50.9	0.109	0.762	0.005	315.	86.	-2.3	0.13	0.99	0.22	0.70	216.	10.0	285.0	6.2
10	01	01	1	13	104.6	0.161	1.094	0.005	453.	155.	-3.6	0.08	0.99	0.21	1.30	138.	10.0	286.6	6.2
10	01	01	1	14	94.3	0.245	1.142	0.005	570.	290.	-14.0	0.08	0.99	0.22	2.40	149.	10.0	288.4	6.2
10	01	01	1	15	67.0	0.169	1.063	0.005	648.	169.	-6.5	0.08	0.99	0.25	1.50	127.	10.0	288.6	6.2
10	01	01	1	16	2.4	0.107	0.353	0.005	651.	85.	-45.4	0.22	0.99	0.34	0.90	42.	10.0	288.9	6.2
10	01	01	1	17	-1.3	0.042	-9.000	-9.000	-999.	22.	5.2	0.03	0.99	0.58	1.20	158.	10.0	288.8	6.2
10	01	01	1	18	-2.2	0.045	-9.000	-9.000	-999.	23.	3.8	0.03	0.99	1.00	1.30	199.	10.0	287.9	6.2
10	01	01	1	19	-7.4	0.089	-9.000	-9.000	-999.	64.	8.8	0.14	0.99	1.00	1.90	292.	10.0	287.2	6.2
10	01	01	1	20	-1.7	0.049	-9.000	-9.000	-999.	27.	6.4	0.08	0.99	1.00	1.20	149.	10.0	285.8	6.2
10	01	01	1	21	-1.2	0.042	-9.000	-9.000	-999.	20.	5.6	0.22	0.99	1.00	0.80	53.	10.0	285.6	6.2
10	01	01	1	22	-1.1	0.039	-9.000	-9.000	-999.	18.	4.6	0.03	0.99	1.00	1.10	169.	10.0	285.5	6.2
10	01	01	1	23	-2.2	0.054	-9.000	-9.000	-999.	30.	6.3	0.08	0.99	1.00	1.30	131.	10.0	285.4	6.2
10	01	01	1	24	-0.6	0.025	-9.000	-9.000	-999.	9.	2.1	0.03	0.99	1.00	0.70	163.	10.0	284.8	6.2

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
10	01	01	01	6.2	0	-999.	-99.00	281.4	999.0	-99.00	-99.00
10	01	01	01	10.0	1	164.	0.80	-999.0	35.4	-99.00	0.41

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000050 ,
A0000051 , A0000052 , A0000053 , A0000054 , A0000055 , A0000056 , A0000057 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600059.72	4173029.06	0.00102	600076.36	4173220.62	0.00294
600062.05	4173202.73	0.00252	600060.27	4173181.27	0.00215
600068.31	4173158.92	0.00186	600063.84	4173141.04	0.00168
600068.31	4173118.68	0.00149	600063.84	4173099.01	0.00135
600064.74	4173077.55	0.00123	600097.82	4173221.51	0.00299
600113.91	4173205.42	0.00262	600138.06	4173204.52	0.00261
600153.26	4173221.51	0.00302	600176.50	4173221.51	0.00304
600190.81	4173202.73	0.00259	600215.85	4173204.52	0.00265
600259.66	4173235.82	0.00358	600264.13	4173217.93	0.00303
600312.16	4173227.57	0.00335	600335.41	4173229.36	0.00342
600388.17	4173227.57	0.00340	600414.10	4173228.46	0.00345
600465.97	4173227.57	0.00344	600494.58	4173229.36	0.00351
600537.51	4173220.42	0.00323	600560.76	4173228.46	0.00349
600575.06	4173229.36	0.00351	600591.16	4173225.78	0.00339
600605.47	4173226.68	0.00341	600621.56	4173226.68	0.00343
600634.98	4173226.68	0.00343	600653.76	4173225.78	0.00341
600668.06	4173227.57	0.00347	600684.18	4173229.70	0.00355
600698.47	4173218.63	0.00321	600696.86	4173199.72	0.00275
600657.40	4173189.27	0.00252	600637.84	4173191.96	0.00259
600623.34	4173189.94	0.00254	600608.84	4173191.96	0.00258
600592.98	4173187.24	0.00248	600577.81	4173189.60	0.00253
600535.65	4173203.09	0.00280	600506.65	4173200.40	0.00273
600453.02	4173209.17	0.00291	600426.71	4173210.18	0.00292
600375.79	4173210.18	0.00290	600349.48	4173209.50	0.00286
600657.74	4173164.31	0.00216	600652.68	4173142.72	0.00190
600645.26	4173130.92	0.00178	600626.04	4173150.82	0.00199
600611.20	4173154.53	0.00203	600593.32	4173156.55	0.00205
600577.13	4173157.56	0.00206	600536.66	4173187.24	0.00249
600541.38	4173171.73	0.00224	600501.92	4173177.46	0.00231
600537.34	4173156.55	0.00204	600502.26	4173160.60	0.00208
600453.36	4173178.14	0.00231	600424.01	4173176.79	0.00227
600454.37	4173158.24	0.00204	600426.04	4173159.25	0.00203
600695.51	4173182.86	0.00244	600695.85	4173169.03	0.00223
600697.20	4173151.16	0.00200	600693.15	4173135.98	0.00184
600688.09	4173119.12	0.00168	600675.95	4173103.26	0.00156
600574.10	4173113.04	0.00162	600591.64	4173110.68	0.00161
600604.11	4173103.60	0.00156	600621.65	4173096.86	0.00151
600632.78	4173086.40	0.00144	600644.92	4173072.24	0.00136
600690.12	4173088.42	0.00146	600696.86	4173067.51	0.00134
600704.96	4173047.95	0.00124	600653.02	4173058.07	0.00128

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000050 ,
A0000051 , A0000052 , A0000053 , A0000054 , A0000055 , A0000056 , A0000057 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600110.95	4173181.34	0.00218	600138.09	4173182.63	0.00221
600187.84	4173183.28	0.00225	600218.20	4173187.15	0.00233
600109.66	4173160.02	0.00190	600140.03	4173160.02	0.00191
600185.25	4173161.31	0.00195	600265.37	4173198.78	0.00258
600296.38	4173210.41	0.00285	600267.95	4173175.52	0.00218
600297.68	4173176.17	0.00221	600348.07	4173176.17	0.00223
600375.21	4173176.82	0.00226	600109.66	4173141.93	0.00171
600138.73	4173141.28	0.00171	600109.01	4173120.61	0.00152
600143.90	4173121.25	0.00154	600183.96	4173141.93	0.00174
600216.91	4173143.22	0.00177	600218.20	4173164.54	0.00200
600217.56	4173124.48	0.00160	600185.25	4173120.61	0.00156
600107.72	4173100.58	0.00138	600141.96	4173101.22	0.00140
600185.90	4173100.58	0.00141	600216.91	4173103.16	0.00144
600111.60	4173078.61	0.00126	600140.67	4173076.67	0.00125
600189.13	4173081.19	0.00130	600219.50	4173079.26	0.00130
600269.89	4173154.85	0.00191	600297.68	4173158.08	0.00197
600346.78	4173158.08	0.00199	600377.79	4173156.79	0.00198
600267.31	4173112.85	0.00153	600292.51	4173106.39	0.00149
600315.12	4173106.39	0.00150	600336.44	4173105.10	0.00150
600355.83	4173107.04	0.00152	600375.21	4173107.68	0.00153
600397.82	4173107.04	0.00154	600416.56	4173107.04	0.00154
600437.88	4173107.04	0.00155	600455.97	4173107.68	0.00156
600501.84	4173109.62	0.00158	600538.67	4173113.50	0.00162
600266.66	4173088.95	0.00137	600315.12	4173079.90	0.00134
600338.38	4173081.19	0.00135	600357.76	4173080.55	0.00136
600375.21	4173080.55	0.00136	600399.76	4173078.61	0.00135
600418.50	4173080.55	0.00137	600440.46	4173079.90	0.00137
600456.62	4173079.90	0.00137	600504.43	4173091.53	0.00146
600538.67	4173088.95	0.00145	600576.15	4173086.36	0.00144
600502.49	4173071.50	0.00134	600536.73	4173066.98	0.00132
600576.15	4173068.92	0.00133	600596.82	4173066.33	0.00132
600612.33	4173059.23	0.00128	600623.31	4173045.01	0.00121
600658.85	4173042.43	0.00121	600707.31	4173026.92	0.00114
600706.01	4173003.66	0.00106	600704.72	4172985.57	0.00099
600707.95	4172963.60	0.00093	600662.72	4173027.57	0.00115
600662.08	4173011.41	0.00108	600622.02	4173020.46	0.00111
600601.99	4173012.06	0.00107	600587.13	4173015.94	0.00109
600569.69	4173017.88	0.00110	600550.95	4173018.52	0.00110
600536.09	4173026.92	0.00113	600537.38	4173048.24	0.00122
600505.72	4173046.95	0.00121	600297.68	4173062.46	0.00124

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000050 ,
A0000051 , A0000052 , A0000053 , A0000054 , A0000055 , A0000056 , A0000057 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600269.25	4173068.92	0.00126	600270.54	4173048.89	0.00116
600080.58	4173028.21	0.00102	600100.61	4173027.57	0.00103
600123.23	4173028.21	0.00104	600140.67	4173028.86	0.00104
600159.41	4173028.21	0.00105	600179.44	4173030.80	0.00106
600199.47	4173029.51	0.00106	600218.85	4173027.57	0.00106
600270.54	4173029.51	0.00108	600297.68	4173041.78	0.00115
600342.90	4173032.09	0.00111	600364.87	4173031.44	0.00112
600383.61	4173031.44	0.00112	600404.28	4173031.44	0.00113
600423.02	4173031.44	0.00113	600443.70	4173034.03	0.00114
600466.31	4173032.09	0.00114	600487.63	4173031.44	0.00114
600072.83	4172998.49	0.00093	600099.97	4172999.14	0.00093
600120.00	4172998.49	0.00094	600139.38	4172999.78	0.00095
600159.41	4172999.14	0.00095	600179.44	4173001.08	0.00096
600198.82	4172997.85	0.00096	600218.85	4173001.08	0.00097
600269.25	4173002.37	0.00098	600297.68	4173021.11	0.00106
600298.32	4173002.37	0.00099	600346.13	4173003.66	0.00101
600366.16	4173004.31	0.00102	600384.25	4173004.31	0.00102
600404.93	4173006.25	0.00103	600424.96	4173005.60	0.00103
600443.05	4173007.54	0.00104	600465.66	4173005.60	0.00104
600488.92	4173007.54	0.00105	600505.08	4172990.74	0.00100
600550.95	4172990.09	0.00100	600568.39	4172990.09	0.00100
600585.84	4172982.34	0.00098	600601.34	4172982.99	0.00098
600616.85	4172984.28	0.00099	600630.42	4172984.92	0.00099
600644.63	4172986.86	0.00100	600662.08	4172988.15	0.00100
600061.20	4172970.71	0.00085	599774.51	4173081.70	0.00108
599792.08	4173082.80	0.00110	599811.85	4173082.25	0.00111
599829.43	4173086.09	0.00114	599853.04	4173083.34	0.00114
599870.62	4173082.80	0.00115	599891.49	4173081.15	0.00116
599908.51	4173084.44	0.00118	599928.83	4173083.89	0.00119
599950.25	4173084.44	0.00120	599970.02	4173084.99	0.00122
599992.54	4173082.80	0.00122	600011.21	4173085.54	0.00124
599773.41	4173107.25	0.00120	599798.41	4173107.25	0.00122
599823.41	4173107.25	0.00124	599848.41	4173107.25	0.00127
599873.41	4173107.25	0.00128	599898.41	4173107.25	0.00130
599923.41	4173107.25	0.00131	599948.41	4173107.25	0.00134
599973.41	4173107.25	0.00135	599773.41	4173132.25	0.00136
599798.41	4173132.25	0.00138	599823.41	4173132.25	0.00140
599873.41	4173132.25	0.00145	599898.41	4173132.25	0.00148
599973.41	4173132.25	0.00153	599773.41	4173157.25	0.00157
599823.41	4173157.25	0.00162	599848.41	4173157.25	0.00165

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000050 ,
A0000051 , A0000052 , A0000053 , A0000054 , A0000055 , A0000056 , A0000057 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
599873.41	4173157.25	0.00167	599898.41	4173157.25	0.00170
599923.41	4173157.25	0.00172	599948.41	4173157.25	0.00175
599973.41	4173157.25	0.00177	599773.41	4173182.25	0.00187
599823.41	4173182.25	0.00193	599848.41	4173182.25	0.00196
599873.41	4173182.25	0.00198	599898.41	4173182.25	0.00201
599923.41	4173182.25	0.00204	599948.41	4173182.25	0.00207
599973.41	4173182.25	0.00208	599773.41	4173207.25	0.00229
599798.41	4173207.25	0.00231	599823.41	4173207.25	0.00235
599873.41	4173207.25	0.00243	599898.41	4173207.25	0.00245
599973.41	4173207.25	0.00254	599773.41	4173232.25	0.00288
599798.41	4173232.25	0.00293	599823.41	4173232.25	0.00298
599848.41	4173232.25	0.00300	599873.41	4173232.25	0.00305
599898.41	4173232.25	0.00307	599923.41	4173232.25	0.00309
599948.41	4173232.25	0.00313	599973.41	4173232.25	0.00317
599764.07	4173028.28	0.00088	599785.39	4173024.40	0.00088
599807.36	4173025.05	0.00090	599847.43	4173028.28	0.00093
599868.75	4173030.22	0.00094	599888.14	4173032.80	0.00096
599904.94	4173030.22	0.00096	599928.84	4173031.51	0.00097
599944.35	4173032.16	0.00098	599963.09	4173030.22	0.00098
600005.74	4173036.03	0.00102	600007.03	4173011.48	0.00094
599957.92	4173006.96	0.00091	599929.49	4172992.74	0.00086
599906.87	4173006.96	0.00089	599886.20	4172999.85	0.00086
599850.01	4173006.31	0.00086	599739.52	4173025.05	0.00085
599703.33	4173028.28	0.00083	599685.24	4173024.40	0.00081
599733.06	4173003.08	0.00079	599696.87	4173000.50	0.00076
599733.70	4173082.56	0.00105	599714.32	4173082.56	0.00103
599692.35	4173076.74	0.00098	599673.61	4173073.51	0.00095
599653.58	4173069.64	0.00091	599637.42	4173063.82	0.00088
599618.68	4173056.07	0.00083	599601.88	4173050.90	0.00079
599581.85	4173041.85	0.00074	599566.34	4173030.87	0.00069
599549.54	4173019.88	0.00064	599534.68	4173008.90	0.00061
599519.17	4172997.26	0.00057	599505.60	4172979.82	0.00053
599459.08	4172988.22	0.00049	599435.17	4172988.86	0.00047
599476.53	4172972.71	0.00049	599488.16	4172959.79	0.00049
597065.00	4173420.00	0.00253	597090.00	4173420.00	0.00255
597115.00	4173420.00	0.00256	597040.00	4173445.00	0.00224
597065.00	4173445.00	0.00226	597090.00	4173445.00	0.00228
597115.00	4173445.00	0.00229	597140.00	4173445.00	0.00229
597015.00	4173470.00	0.00200	597040.00	4173470.00	0.00202
597065.00	4173470.00	0.00203	597115.00	4173470.00	0.00206

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000050 ,
A0000051 , A0000052 , A0000053 , A0000054 , A0000055 , A0000056 , A0000057 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
597140.00	4173470.00	0.00206	597165.00	4173470.00	0.00208
597015.00	4173495.00	0.00183	597040.00	4173495.00	0.00184
597065.00	4173495.00	0.00185	597115.00	4173495.00	0.00187
597140.00	4173495.00	0.00188	597165.00	4173495.00	0.00190
597190.00	4173495.00	0.00191	597015.00	4173520.00	0.00167
597040.00	4173520.00	0.00168	597065.00	4173520.00	0.00169
597115.00	4173520.00	0.00172	597140.00	4173520.00	0.00172
597165.00	4173520.00	0.00173	597190.00	4173520.00	0.00174
597015.00	4173545.00	0.00154	597040.00	4173545.00	0.00155
597065.00	4173545.00	0.00156	597115.00	4173545.00	0.00158
597140.00	4173545.00	0.00159	597165.00	4173545.00	0.00160
597190.00	4173545.00	0.00161	597015.00	4173570.00	0.00143
597040.00	4173570.00	0.00144	597065.00	4173570.00	0.00145
597115.00	4173570.00	0.00147	597140.00	4173570.00	0.00148
597165.00	4173570.00	0.00149	597190.00	4173570.00	0.00150
597015.00	4173595.00	0.00133	597040.00	4173595.00	0.00134
597065.00	4173595.00	0.00135	597115.00	4173595.00	0.00137
597140.00	4173595.00	0.00138	597165.00	4173595.00	0.00139
597190.00	4173595.00	0.00140	597015.00	4173620.00	0.00124
597040.00	4173620.00	0.00125	597065.00	4173620.00	0.00126
597115.00	4173620.00	0.00129	597140.00	4173620.00	0.00129
597165.00	4173620.00	0.00130	597190.00	4173620.00	0.00130
597015.00	4173645.00	0.00116	597040.00	4173645.00	0.00117
597065.00	4173645.00	0.00119	597115.00	4173645.00	0.00121
597140.00	4173645.00	0.00121	597165.00	4173645.00	0.00122
597190.00	4173645.00	0.00123	597015.00	4173670.00	0.00110
597040.00	4173670.00	0.00111	597065.00	4173670.00	0.00112
597115.00	4173670.00	0.00114	597140.00	4173670.00	0.00114
597165.00	4173670.00	0.00115	597190.00	4173670.00	0.00115
597015.00	4173695.00	0.00104	597040.00	4173695.00	0.00105
597065.00	4173695.00	0.00106	597115.00	4173695.00	0.00107
597140.00	4173695.00	0.00108	597165.00	4173695.00	0.00108
597190.00	4173695.00	0.00109	597015.00	4173720.00	0.00099
597040.00	4173720.00	0.00099	597065.00	4173720.00	0.00100
597115.00	4173720.00	0.00102	597140.00	4173720.00	0.00102
597165.00	4173720.00	0.00103	597190.00	4173720.00	0.00103
597232.75	4173605.00	0.00137	597257.75	4173605.00	0.00137
597282.75	4173605.00	0.00138	597307.75	4173605.00	0.00139
597232.75	4173630.00	0.00128	597257.75	4173630.00	0.00128
597282.75	4173630.00	0.00129	597307.75	4173630.00	0.00130

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000050 ,
A0000051 , A0000052 , A0000053 , A0000054 , A0000055 , A0000056 , A0000057 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
597232.75	4173655.00	0.00120	597257.75	4173655.00	0.00121
597282.75	4173655.00	0.00121	597307.75	4173655.00	0.00122
597232.75	4173680.00	0.00114	597257.75	4173680.00	0.00114
597282.75	4173680.00	0.00115	597307.75	4173680.00	0.00115
597232.75	4173705.00	0.00107	597257.75	4173705.00	0.00108
597282.75	4173705.00	0.00108	597307.75	4173705.00	0.00109
597232.75	4173730.00	0.00102	597257.75	4173730.00	0.00102
597282.75	4173730.00	0.00102	597307.75	4173730.00	0.00103
597232.75	4173755.00	0.00097	597257.75	4173755.00	0.00097
597282.75	4173755.00	0.00097	597307.75	4173755.00	0.00098
597160.00	4172930.00	0.00067	597185.00	4172930.00	0.00068
597210.00	4172930.00	0.00068	597235.00	4172930.00	0.00069
597260.00	4172930.00	0.00069	597285.00	4172930.00	0.00069
597310.00	4172930.00	0.00070	597160.00	4172955.00	0.00072
597185.00	4172955.00	0.00073	597210.00	4172955.00	0.00073
597235.00	4172955.00	0.00074	597260.00	4172955.00	0.00074
597285.00	4172955.00	0.00075	597310.00	4172955.00	0.00075
597160.00	4172980.00	0.00078	597185.00	4172980.00	0.00079
597210.00	4172980.00	0.00079	597235.00	4172980.00	0.00080
597260.00	4172980.00	0.00080	597285.00	4172980.00	0.00081
597310.00	4172980.00	0.00081	597160.00	4173005.00	0.00085
597185.00	4173005.00	0.00086	597210.00	4173005.00	0.00086
597235.00	4173005.00	0.00087	597260.00	4173005.00	0.00087
597285.00	4173005.00	0.00088	597310.00	4173005.00	0.00088
597160.00	4173030.00	0.00093	597185.00	4173030.00	0.00094
597210.00	4173030.00	0.00094	597235.00	4173030.00	0.00095
597260.00	4173030.00	0.00096	597285.00	4173030.00	0.00096
597310.00	4173030.00	0.00097	597160.00	4173055.00	0.00103
597185.00	4173055.00	0.00103	597210.00	4173055.00	0.00104
597235.00	4173055.00	0.00105	597260.00	4173055.00	0.00106
597285.00	4173055.00	0.00106	597310.00	4173055.00	0.00107

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00358 AT	(600259.66, 4173235.82, 106.27, 106.27, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00355 AT	(600684.18, 4173229.70, 107.13, 107.13, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00351 AT	(600494.58, 4173229.36, 106.84, 106.84, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00351 AT	(600575.06, 4173229.36, 107.24, 107.24, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00349 AT	(600560.76, 4173228.46, 107.16, 107.16, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00347 AT	(600668.06, 4173227.57, 107.20, 107.20, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00345 AT	(600414.10, 4173228.46, 106.67, 106.67, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00344 AT	(600465.97, 4173227.57, 106.80, 106.80, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00343 AT	(600621.56, 4173226.68, 107.23, 107.23, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00343 AT	(600634.98, 4173226.68, 107.31, 107.31, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   17 Warning Message(s)
A Total of   892 Informational Message(s)

A Total of   43824 Hours Were Processed

A Total of   218 Calm Hours Identified

A Total of   674 Missing Hours Identified (1.54 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
MX W403   690   PFLCNV: Turbulence data is being used w/o ADJ_U* option   SigA Data
MX W402   690   PFLCNV: Turbulence data being used with ADJ_U* w/o DFAULT   Option
MX W403   1   PFLCNV: Turbulence data is being used w/o ADJ_U* option   SigA Data
MX W441   14167   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081407
MX W441   14168   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081408
MX W441   14169   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081409
MX W441   14170   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081410
MX W441   14171   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081411
MX W441   14172   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081412
MX W441   14173   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081413
MX W441   14174   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081414
MX W441   14175   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081415
MX W441   14176   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081416
MX W441   14177   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081417
MX W441   14178   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081418
MX W450   26305   CHKDAT: Record Out of Sequence in Meteorological File at: 14010101
MX W450   26305   CHKDAT: Record Out of Sequence in Meteorological File at: 1 year gap

   ****
   *** AERMOD Finishes Successfully ***
   ****

```
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE Valley Link: Tri-Valley Segment Section 1, 2025 Annual Operation DPM
   MODELOPT CONC FASTAREA
   AVERTIME ANNUAL
   URBANOPT 4656000 Other_Bay_Area
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL Tri-Valley_S1_operation_2025_DPM.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = TRIVAL_S1A_D
** DESCRSRC Tri-Valley Segment Section 1 - Part A, Day Time
** PREFIX
** Length of Side = 9.10
** Ratio = 10
** Vertical Dimension = 1.37
** Emission Rate = 2.896E-08
** Nodes = 11
** 596390.120, 4173285.362, 101.49, 5.87
** 596553.539, 4173284.011, 101.90, 5.87
** 596714.256, 4173284.011, 104.40, 5.87
** 596879.026, 4173284.011, 107.98, 5.87
** 597030.290, 4173284.011, 108.62, 5.87
** 597193.709, 4173284.011, 109.93, 5.87
** 597251.784, 4173282.660, 110.02, 5.87
** 597407.099, 4173282.660, 107.88, 5.87
** 597579.972, 4173284.011, 105.12, 5.87
** 597809.569, 4173284.011, 104.73, 5.87
** 597964.800, 4173286.710, 105.29, 5.87
** ------------------------------------------------------------------------
   LOCATION A0000001     AREA     596390.082 4173280.812 101.37
   LOCATION A0000002     AREA     596471.791 4173280.136 101.32
   LOCATION A0000003     AREA     596553.539 4173279.461 101.35
   LOCATION A0000004     AREA     596633.897 4173279.461 101.80
   LOCATION A0000005     AREA     596714.256 4173279.461 103.68
   LOCATION A0000006     AREA     596796.641 4173279.461 106.52
   LOCATION A0000007     AREA     596879.026 4173279.461 107.97
   LOCATION A0000008     AREA     596954.658 4173279.461 108.32
   LOCATION A0000009     AREA     597030.290 4173279.461 108.63
   LOCATION A0000010     AREA     597111.999 4173279.461 108.46
   LOCATION A0000011     AREA     597193.603 4173279.462 109.77
   LOCATION A0000012     AREA     597251.784 4173278.110 109.58
   LOCATION A0000013     AREA     597329.441 4173278.110 108.80
   LOCATION A0000014     AREA     597407.135 4173278.111 107.33
   LOCATION A0000015     AREA     597493.571 4173278.786 105.80
   LOCATION A0000016     AREA     597579.972 4173279.461 104.68
   LOCATION A0000017     AREA     597656.504 4173279.461 104.27
   LOCATION A0000018     AREA     597733.037 4173279.461 104.37
   LOCATION A0000019     AREA     597809.648 4173279.462 104.61
   LOCATION A0000020     AREA     597887.264 4173280.811 104.92
** End of LINE AREA Source ID = TRIVAL_S1A_D
** ------------------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = TRIVAL_S1A_N
** DESCRSRC Tri-Valley Segment Section 1 - Part A, Night Time
** PREFIX
** Length of Side = 9.10
** Ratio = 10
** Vertical Dimension = 2.55
** Emission Rate = 2.896E-08
** Nodes = 11
** 596390.120, 4173285.362, 101.49, 10.98
** 596553.539, 4173284.011, 101.90, 10.98
** 596714.256, 4173284.011, 104.40, 10.98
** 596879.026, 4173284.011, 107.98, 10.98
** 597030.290, 4173284.011, 108.62, 10.98
** 597193.709, 4173284.011, 109.93, 10.98
** 597251.784, 4173282.660, 110.02, 10.98
** 597407.099, 4173282.660, 107.88, 10.98
** 597579.972, 4173284.011, 105.12, 10.98
** 597809.569, 4173284.011, 104.73, 10.98
** 597964.800, 4173286.710, 105.29, 10.98
** ------------------------------------------------------------------------
   LOCATION A0000050     AREA     596390.082 4173280.812 101.37
   LOCATION A0000051     AREA     596471.791 4173280.136 101.32
   LOCATION A0000052     AREA     596553.539 4173279.461 101.35
   LOCATION A0000053     AREA     596633.897 4173279.461 101.80
   LOCATION A0000054     AREA     596714.256 4173279.461 103.68
   LOCATION A0000055     AREA     596796.641 4173279.461 106.52
   LOCATION A0000056     AREA     596879.026 4173279.461 107.97
```

```
   LOCATION A0000057     AREA     596954.658 4173279.461 108.32
   LOCATION A0000058     AREA     597030.290 4173279.461 108.63
   LOCATION A0000059     AREA     597111.999 4173279.461 108.46
   LOCATION A0000060     AREA     597193.603 4173279.462 109.77
   LOCATION A0000061     AREA     597251.784 4173278.110 109.58
   LOCATION A0000062     AREA     597329.441 4173278.110 108.80
   LOCATION A0000063     AREA     597407.135 4173278.111 107.33
   LOCATION A0000064     AREA     597493.571 4173278.786 105.80
   LOCATION A0000065     AREA     597579.972 4173279.461 104.68
   LOCATION A0000066     AREA     597656.504 4173279.461 104.27
   LOCATION A0000067     AREA     597733.037 4173279.461 104.37
   LOCATION A0000068     AREA     597809.648 4173279.462 104.61
   LOCATION A0000069     AREA     597887.264 4173280.811 104.92
** End of LINE AREA Source ID = TRIVAL_S1A_N
** ------------------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = TRIVAL_S1B_D
** DESCRSRC Tri-Valley Segment Section 1 - Part B, Day Time
** PREFIX
** Length of Side = 9.10
** Ratio = 10
** Vertical Dimension = 1.37
** Emission Rate = 2.8997E-08
** Nodes = 8
** 599448.580, 4173294.108, 106.41, 5.87
** 599633.672, 4173292.757, 106.03, 5.87
** 599934.954, 4173292.757, 106.56, 5.87
** 600291.629, 4173290.055, 106.52, 5.87
** 600595.613, 4173288.703, 106.66, 5.87
** 600836.098, 4173290.055, 106.47, 5.87
** 601073.881, 4173291.406, 107.04, 5.87
** 601275.186, 4173292.757, 108.61, 5.87
** ------------------------------------------------------------------------
   LOCATION A0000026     AREA     599448.547 4173289.558 106.43
   LOCATION A0000027     AREA     599510.244 4173289.107 106.15
   LOCATION A0000028     AREA     599571.942 4173288.657 106.15
   LOCATION A0000029     AREA     599633.672 4173288.207 106.11
   LOCATION A0000030     AREA     599708.993 4173288.207 106.15
   LOCATION A0000031     AREA     599784.313 4173288.207 106.25
   LOCATION A0000032     AREA     599859.634 4173288.207 106.45
   LOCATION A0000033     AREA     599934.920 4173288.207 106.54
   LOCATION A0000034     AREA     600024.088 4173287.531 106.51
   LOCATION A0000035     AREA     600113.257 4173286.856 106.63
   LOCATION A0000036     AREA     600202.426 4173286.180 106.56
   LOCATION A0000037     AREA     600291.609 4173285.505 106.53
   LOCATION A0000038     AREA     600367.605 4173285.167 106.51
   LOCATION A0000039     AREA     600443.601 4173284.829 106.52
   LOCATION A0000040     AREA     600519.597 4173284.491 106.56
   LOCATION A0000041     AREA     600595.638 4173284.154 106.63
   LOCATION A0000042     AREA     600675.800 4173284.604 106.64
   LOCATION A0000043     AREA     600755.962 4173285.054 106.68
   LOCATION A0000044     AREA     600836.124 4173285.505 106.71
   LOCATION A0000045     AREA     600915.385 4173285.955 106.72
   LOCATION A0000046     AREA     600994.646 4173286.405 106.69
   LOCATION A0000047     AREA     601073.912 4173286.856 107.01
   LOCATION A0000048     AREA     601141.013 4173287.306 107.40
   LOCATION A0000049     AREA     601208.115 4173287.756 107.96
** End of LINE AREA Source ID = TRIVAL_S1B_D
** ------------------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = TRIVAL_S1B_N
** DESCRSRC Tri-Valley Segment Section 1 - Part B, Night Time
** PREFIX
** Length of Side = 9.10
** Ratio = 10
** Vertical Dimension = 2.55
** Emission Rate = 2.8997E-08
** Nodes = 8
** 599448.580, 4173294.108, 106.41, 10.98
** 599633.672, 4173292.757, 106.03, 10.98
** 599934.954, 4173292.757, 106.56, 10.98
** 600291.629, 4173290.055, 106.52, 10.98
** 600595.613, 4173288.703, 106.66, 10.98
** 600836.098, 4173290.055, 106.47, 10.98
** 601073.881, 4173291.406, 107.04, 10.98
** 601275.186, 4173292.757, 108.61, 10.98
** ------------------------------------------------------------------------
   LOCATION A0000070     AREA     599448.547 4173289.558 106.43
   LOCATION A0000071     AREA     599510.244 4173289.107 106.15
   LOCATION A0000072     AREA     599571.942 4173288.657 106.15
   LOCATION A0000073     AREA     599633.672 4173288.207 106.11
   LOCATION A0000074     AREA     599708.993 4173288.207 106.15
   LOCATION A0000075     AREA     599784.313 4173288.207 106.25
   LOCATION A0000076     AREA     599859.634 4173288.207 106.45
   LOCATION A0000077     AREA     599934.920 4173288.207 106.54
   LOCATION A0000078     AREA     600024.088 4173287.531 106.51
   LOCATION A0000079     AREA     600113.257 4173286.856 106.63
   LOCATION A0000080     AREA     600202.426 4173286.180 106.56
   LOCATION A0000081     AREA     600291.609 4173285.505 106.53
   LOCATION A0000082     AREA     600367.605 4173285.167 106.51
   LOCATION A0000083     AREA     600443.601 4173284.829 106.52
   LOCATION A0000084     AREA     600519.597 4173284.491 106.56
   LOCATION A0000085     AREA     600595.638 4173284.154 106.63
   LOCATION A0000086     AREA     600675.800 4173284.604 106.64
   LOCATION A0000087     AREA     600755.962 4173285.054 106.68
```

```
   LOCATION A0000088     AREA     600836.124 4173285.505 106.71
   LOCATION A0000089     AREA     600915.385 4173285.955 106.72
   LOCATION A0000090     AREA     600994.646 4173286.405 106.69
   LOCATION A0000091     AREA     601073.912 4173286.856 107.01
   LOCATION A0000092     AREA     601141.013 4173287.306 107.40
   LOCATION A0000093     AREA     601208.115 4173287.756 107.96
** End of LINE AREA Source ID = TRIVAL_S1B_N
** Source Parameters **
** LINE AREA Source ID = TRIVAL_S1A_D
   SRCPARAM A0000001     2.896E-08     5.870    81.712     9.100     0.474     1.370
   SRCPARAM A0000002     2.896E-08     5.870    81.712     9.100     0.474     1.370
   SRCPARAM A0000003     2.896E-08     5.870    80.359     9.100     0.000     1.370
   SRCPARAM A0000004     2.896E-08     5.870    80.359     9.100     0.000     1.370
   SRCPARAM A0000005     2.896E-08     5.870    82.385     9.100     0.000     1.370
   SRCPARAM A0000006     2.896E-08     5.870    82.385     9.100     0.000     1.370
   SRCPARAM A0000007     2.896E-08     5.870    75.632     9.100     0.000     1.370
   SRCPARAM A0000008     2.896E-08     5.870    75.632     9.100     0.000     1.370
   SRCPARAM A0000009     2.896E-08     5.870    81.710     9.100     0.000     1.370
   SRCPARAM A0000010     2.896E-08     5.870    81.710     9.100     0.000     1.370
   SRCPARAM A0000011     2.896E-08     5.870    58.090     9.100     1.332     1.370
   SRCPARAM A0000012     2.896E-08     5.870    77.658     9.100     0.000     1.370
   SRCPARAM A0000013     2.896E-08     5.870    77.658     9.100     0.000     1.370
   SRCPARAM A0000014     2.896E-08     5.870    86.439     9.100    -0.448     1.370
   SRCPARAM A0000015     2.896E-08     5.870    86.439     9.100    -0.448     1.370
   SRCPARAM A0000016     2.896E-08     5.870    76.532     9.100     0.000     1.370
   SRCPARAM A0000017     2.896E-08     5.870    76.532     9.100     0.000     1.370
   SRCPARAM A0000018     2.896E-08     5.870    76.532     9.100     0.000     1.370
   SRCPARAM A0000019     2.896E-08     5.870    77.627     9.100    -0.996     1.370
   SRCPARAM A0000020     2.896E-08     5.870    77.627     9.100    -0.996     1.370
** ----------------------------------------------------------------------
** LINE AREA Source ID = TRIVAL_S1A_N
   SRCPARAM A0000050     2.896E-08    10.980    81.712     9.100     0.474     2.550
   SRCPARAM A0000051     2.896E-08    10.980    81.712     9.100     0.474     2.550
   SRCPARAM A0000052     2.896E-08    10.980    80.359     9.100     0.000     2.550
   SRCPARAM A0000053     2.896E-08    10.980    80.359     9.100     0.000     2.550
   SRCPARAM A0000054     2.896E-08    10.980    82.385     9.100     0.000     2.550
   SRCPARAM A0000055     2.896E-08    10.980    82.385     9.100     0.000     2.550
   SRCPARAM A0000056     2.896E-08    10.980    75.632     9.100     0.000     2.550
   SRCPARAM A0000057     2.896E-08    10.980    75.632     9.100     0.000     2.550
   SRCPARAM A0000058     2.896E-08    10.980    81.710     9.100     0.000     2.550
   SRCPARAM A0000059     2.896E-08    10.980    81.710     9.100     0.000     2.550
   SRCPARAM A0000060     2.896E-08    10.980    58.090     9.100     1.332     2.550
   SRCPARAM A0000061     2.896E-08    10.980    77.658     9.100     0.000     2.550
   SRCPARAM A0000062     2.896E-08    10.980    77.658     9.100     0.000     2.550
   SRCPARAM A0000063     2.896E-08    10.980    86.439     9.100    -0.448     2.550
   SRCPARAM A0000064     2.896E-08    10.980    86.439     9.100    -0.448     2.550
   SRCPARAM A0000065     2.896E-08    10.980    76.532     9.100     0.000     2.550
   SRCPARAM A0000066     2.896E-08    10.980    76.532     9.100     0.000     2.550
   SRCPARAM A0000067     2.896E-08    10.980    76.532     9.100     0.000     2.550
   SRCPARAM A0000068     2.896E-08    10.980    77.627     9.100    -0.996     2.550
   SRCPARAM A0000069     2.896E-08    10.980    77.627     9.100    -0.996     2.550
** ----------------------------------------------------------------------
** LINE AREA Source ID = TRIVAL_S1B_D
   SRCPARAM A0000026     2.8997E-08     5.870    61.699     9.100     0.418     1.370
   SRCPARAM A0000027     2.8997E-08     5.870    61.699     9.100     0.418     1.370
   SRCPARAM A0000028     2.8997E-08     5.870    61.699     9.100     0.418     1.370
   SRCPARAM A0000029     2.8997E-08     5.870    75.320     9.100     0.000     1.370
   SRCPARAM A0000030     2.8997E-08     5.870    75.320     9.100     0.000     1.370
   SRCPARAM A0000031     2.8997E-08     5.870    75.320     9.100     0.000     1.370
   SRCPARAM A0000032     2.8997E-08     5.870    75.320     9.100     0.000     1.370
   SRCPARAM A0000033     2.8997E-08     5.870    89.171     9.100     0.434     1.370
   SRCPARAM A0000034     2.8997E-08     5.870    89.171     9.100     0.434     1.370
   SRCPARAM A0000035     2.8997E-08     5.870    89.171     9.100     0.434     1.370
   SRCPARAM A0000036     2.8997E-08     5.870    89.171     9.100     0.434     1.370
   SRCPARAM A0000037     2.8997E-08     5.870    75.997     9.100     0.255     1.370
   SRCPARAM A0000038     2.8997E-08     5.870    75.997     9.100     0.255     1.370
   SRCPARAM A0000039     2.8997E-08     5.870    75.997     9.100     0.255     1.370
   SRCPARAM A0000040     2.8997E-08     5.870    75.997     9.100     0.255     1.370
   SRCPARAM A0000041     2.8997E-08     5.870    80.163     9.100    -0.322     1.370
   SRCPARAM A0000042     2.8997E-08     5.870    80.163     9.100    -0.322     1.370
   SRCPARAM A0000043     2.8997E-08     5.870    80.163     9.100    -0.322     1.370
   SRCPARAM A0000044     2.8997E-08     5.870    79.262     9.100    -0.326     1.370
   SRCPARAM A0000045     2.8997E-08     5.870    79.262     9.100    -0.326     1.370
   SRCPARAM A0000046     2.8997E-08     5.870    79.262     9.100    -0.326     1.370
   SRCPARAM A0000047     2.8997E-08     5.870    67.103     9.100    -0.385     1.370
   SRCPARAM A0000048     2.8997E-08     5.870    67.103     9.100    -0.385     1.370
   SRCPARAM A0000049     2.8997E-08     5.870    67.103     9.100    -0.385     1.370
** ----------------------------------------------------------------------
** LINE AREA Source ID = TRIVAL_S1B_N
   SRCPARAM A0000070     2.8997E-08    10.980    61.699     9.100     0.418     2.550
   SRCPARAM A0000071     2.8997E-08    10.980    61.699     9.100     0.418     2.550
   SRCPARAM A0000072     2.8997E-08    10.980    61.699     9.100     0.418     2.550
   SRCPARAM A0000073     2.8997E-08    10.980    75.320     9.100     0.000     2.550
   SRCPARAM A0000074     2.8997E-08    10.980    75.320     9.100     0.000     2.550
   SRCPARAM A0000075     2.8997E-08    10.980    75.320     9.100     0.000     2.550
   SRCPARAM A0000076     2.8997E-08    10.980    75.320     9.100     0.000     2.550
   SRCPARAM A0000077     2.8997E-08    10.980    89.171     9.100     0.434     2.550
   SRCPARAM A0000078     2.8997E-08    10.980    89.171     9.100     0.434     2.550
   SRCPARAM A0000079     2.8997E-08    10.980    89.171     9.100     0.434     2.550
   SRCPARAM A0000080     2.8997E-08    10.980    89.171     9.100     0.434     2.550
   SRCPARAM A0000081     2.8997E-08    10.980    75.997     9.100     0.255     2.550
   SRCPARAM A0000082     2.8997E-08    10.980    75.997     9.100     0.255     2.550
   SRCPARAM A0000083     2.8997E-08    10.980    75.997     9.100     0.255     2.550
   SRCPARAM A0000084     2.8997E-08    10.980    75.997     9.100     0.255     2.550
   SRCPARAM A0000085     2.8997E-08    10.980    80.163     9.100    -0.322     2.550
```

```
   SRCPARAM A0000086     2.8997E-08    10.980    80.163     9.100    -0.322     2.550
   SRCPARAM A0000087     2.8997E-08    10.980    80.163     9.100    -0.322     2.550
   SRCPARAM A0000088     2.8997E-08    10.980    79.262     9.100    -0.326     2.550
   SRCPARAM A0000089     2.8997E-08    10.980    79.262     9.100    -0.326     2.550
   SRCPARAM A0000090     2.8997E-08    10.980    79.262     9.100    -0.326     2.550
   SRCPARAM A0000091     2.8997E-08    10.980    67.103     9.100    -0.385     2.550
   SRCPARAM A0000092     2.8997E-08    10.980    67.103     9.100    -0.385     2.550
   SRCPARAM A0000093     2.8997E-08    10.980    67.103     9.100    -0.385     2.550
** ------------------------------------------------------------------------
   URBANSRC ALL

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Day"
   EMISFACT A0000001     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000001     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000001     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000001     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000002     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000002     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000002     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000002     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000003     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000003     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000003     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000003     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000004     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000004     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000004     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000004     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000005     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000005     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000005     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000005     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000006     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000006     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000006     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000006     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000007     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000007     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000007     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000007     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000008     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000008     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000008     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000008     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000009     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000009     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000009     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000009     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000010     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000010     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000010     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000010     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000011     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000011     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000011     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000011     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000012     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000012     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000013     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000013     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000014     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000014     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000015     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000015     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000016     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000016     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000017     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000017     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000018     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000018     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000019     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000019     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000020     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000020     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
```

```
EMISFACT A0000026     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000026     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000027     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000027     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000027     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000027     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000028     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000028     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000028     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000028     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000029     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000029     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000029     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000029     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000030     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000030     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000030     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000030     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000031     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000031     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000031     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000031     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000032     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000032     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000032     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000032     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000033     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000033     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000033     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000033     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000034     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000034     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000034     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000034     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000035     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000035     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000035     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000035     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000036     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000036     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000036     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000036     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000037     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000037     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000037     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000037     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000038     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000038     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000038     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000038     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000039     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000039     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000039     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000039     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000040     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000040     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000040     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000040     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000041     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000041     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000041     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000041     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000042     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000042     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000042     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000042     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000043     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000043     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000043     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000043     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000044     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000044     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000044     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000044     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000045     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000045     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000045     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000045     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000046     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000046     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000046     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000046     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000047     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000047     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000047     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000047     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000048     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000048     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000048     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000048     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000049     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000049     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000049     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000049     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
```

```
** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Night"
   EMISFACT A0000050     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000050     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000050     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000051     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000051     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000052     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000052     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000053     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000053     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000054     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000054     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000055     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000055     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000056     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000056     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000057     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000057     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000058     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000058     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000059     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000059     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000060     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000060     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000061     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000061     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000062     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000062     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000063     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000063     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000064     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000064     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000065     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000065     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000066     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000066     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000067     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000067     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000068     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000068     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000069     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000069     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000070     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000070     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000071     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000071     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000072     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000072     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000072     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000072     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000073     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
```

```
   EMISFACT A0000073     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000073     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000073     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000074     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000074     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000074     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000074     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000075     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000075     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000075     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000075     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000076     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000076     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000076     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000076     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000077     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000077     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000077     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000077     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000078     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000078     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000078     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000078     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000079     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000079     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000079     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000079     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000080     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000080     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000080     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000080     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000081     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000081     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000081     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000081     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000082     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000082     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000082     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000082     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000083     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000083     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000083     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000083     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000084     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000084     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000084     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000084     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000085     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000085     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000085     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000085     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000086     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000086     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000086     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000086     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000087     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000087     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000087     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000087     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000088     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000088     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000088     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000088     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000089     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000089     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000089     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000089     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000090     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000090     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000090     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000090     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000091     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000091     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000091     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000091     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000092     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000092     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000092     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000092     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000093     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000093     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000093     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000093     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED Tri-Valley_S1_operation_2025_DPM.rou
RE FINISHED
**
```

```
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE ..\..\..\..\metdata\PLEASANTON_2010-2015\PLEASANTON_2010-2015.SFC
   PROFFILE ..\..\..\..\metdata\PLEASANTON_2010-2015\PLEASANTON_2010-2015.PFL
   SURFDATA 23285 2010
   UAIRDATA 23230 2010 OAKLAND/WSO_AP
   SITEDATA 1905 2010
   PROFBASE 99.1 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   PLOTFILE ANNUAL ALL TRI-VALLEY_S1_OPERATION_2025_DPM.AD\Tri-Valley_S1_operation_2025_annual_DPM.PLT 31
   SUMMFILE Tri-Valley_S1_operation_2025_DPM.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 MX W403     690       PFLCNV: Turbulence data is being used w/o ADJ_U* option       SigA Data
 MX W402     690       PFLCNV: Turbulence data being used with ADJ_U* w/o DFAULT        Option

 ***********************************
 *** SETUP Finishes Successfully ***
 ***********************************
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

**Model Is Setup For Calculation of Average CONCentration Values.

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for   88 Source(s),
  for Total of   1 Urban Area(s):
  Urban Population =   4656000.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Full Conversion Assumed for NO2.
        6. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:
        FASTAREA - Use hybrid approach to optimize AREA sources;
                   also applies to LINE sources (formerly TOXICS option)
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 88 Source(s);   1 Source Group(s); and   462 Receptor(s)

               with: 0 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 0 VOLUME source(s)
                and: 88 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with   0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 15181

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   99.10 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   3.6 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: Tri-Valley_S1_operation_2025_DPM.err
**File for Summary of Results: Tri-Valley_S1_operation_2025_DPM.sum

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000001	0	0.28960E-07	596390.1	4173280.8	101.4	5.87	81.71	9.10	0.47	1.37	YES	HROFDY
A0000002	0	0.28960E-07	596471.8	4173280.1	101.3	5.87	81.71	9.10	0.47	1.37	YES	HROFDY
A0000003	0	0.28960E-07	596553.5	4173279.5	101.3	5.87	80.36	9.10	0.00	1.37	YES	HROFDY
A0000004	0	0.28960E-07	596633.9	4173279.5	101.8	5.87	80.36	9.10	0.00	1.37	YES	HROFDY
A0000005	0	0.28960E-07	596714.3	4173279.5	103.7	5.87	82.38	9.10	0.00	1.37	YES	HROFDY
A0000006	0	0.28960E-07	596796.6	4173279.5	106.5	5.87	82.38	9.10	0.00	1.37	YES	HROFDY
A0000007	0	0.28960E-07	596879.0	4173279.5	108.0	5.87	75.63	9.10	0.00	1.37	YES	HROFDY
A0000008	0	0.28960E-07	596954.7	4173279.5	108.3	5.87	75.63	9.10	0.00	1.37	YES	HROFDY
A0000009	0	0.28960E-07	597030.3	4173279.5	108.6	5.87	81.71	9.10	0.00	1.37	YES	HROFDY
A0000010	0	0.28960E-07	597112.0	4173279.5	108.5	5.87	81.71	9.10	0.00	1.37	YES	HROFDY
A0000011	0	0.28960E-07	597193.6	4173279.5	109.8	5.87	58.09	9.10	1.33	1.37	YES	HROFDY
A0000012	0	0.28960E-07	597251.8	4173278.1	109.6	5.87	77.66	9.10	0.00	1.37	YES	HROFDY
A0000013	0	0.28960E-07	597329.4	4173278.1	108.8	5.87	77.66	9.10	0.00	1.37	YES	HROFDY
A0000014	0	0.28960E-07	597407.1	4173278.1	107.3	5.87	86.44	9.10	-0.45	1.37	YES	HROFDY
A0000015	0	0.28960E-07	597493.6	4173278.8	105.8	5.87	86.44	9.10	-0.45	1.37	YES	HROFDY
A0000016	0	0.28960E-07	597580.0	4173279.5	104.7	5.87	76.53	9.10	0.00	1.37	YES	HROFDY
A0000017	0	0.28960E-07	597656.5	4173279.5	104.3	5.87	76.53	9.10	0.00	1.37	YES	HROFDY
A0000018	0	0.28960E-07	597733.0	4173279.5	104.4	5.87	76.53	9.10	0.00	1.37	YES	HROFDY
A0000019	0	0.28960E-07	597809.6	4173279.5	104.6	5.87	77.63	9.10	-1.00	1.37	YES	HROFDY
A0000020	0	0.28960E-07	597887.3	4173280.8	104.9	5.87	77.63	9.10	-1.00	1.37	YES	HROFDY
A0000050	0	0.28960E-07	596390.1	4173280.8	101.4	10.98	81.71	9.10	0.47	2.55	YES	HROFDY
A0000051	0	0.28960E-07	596471.8	4173280.1	101.3	10.98	81.71	9.10	0.47	2.55	YES	HROFDY
A0000052	0	0.28960E-07	596553.5	4173279.5	101.3	10.98	80.36	9.10	0.00	2.55	YES	HROFDY
A0000053	0	0.28960E-07	596633.9	4173279.5	101.8	10.98	80.36	9.10	0.00	2.55	YES	HROFDY
A0000054	0	0.28960E-07	596714.3	4173279.5	103.7	10.98	82.38	9.10	0.00	2.55	YES	HROFDY
A0000055	0	0.28960E-07	596796.6	4173279.5	106.5	10.98	82.38	9.10	0.00	2.55	YES	HROFDY
A0000056	0	0.28960E-07	596879.0	4173279.5	108.0	10.98	75.63	9.10	0.00	2.55	YES	HROFDY
A0000057	0	0.28960E-07	596954.7	4173279.5	108.3	10.98	75.63	9.10	0.00	2.55	YES	HROFDY
A0000058	0	0.28960E-07	597030.3	4173279.5	108.6	10.98	81.71	9.10	0.00	2.55	YES	HROFDY
A0000059	0	0.28960E-07	597112.0	4173279.5	108.5	10.98	81.71	9.10	0.00	2.55	YES	HROFDY
A0000060	0	0.28960E-07	597193.6	4173279.5	109.8	10.98	58.09	9.10	1.33	2.55	YES	HROFDY
A0000061	0	0.28960E-07	597251.8	4173278.1	109.6	10.98	77.66	9.10	0.00	2.55	YES	HROFDY
A0000062	0	0.28960E-07	597329.4	4173278.1	108.8	10.98	77.66	9.10	0.00	2.55	YES	HROFDY
A0000063	0	0.28960E-07	597407.1	4173278.1	107.3	10.98	86.44	9.10	-0.45	2.55	YES	HROFDY
A0000064	0	0.28960E-07	597493.6	4173278.8	105.8	10.98	86.44	9.10	-0.45	2.55	YES	HROFDY
A0000065	0	0.28960E-07	597580.0	4173279.5	104.7	10.98	76.53	9.10	0.00	2.55	YES	HROFDY
A0000066	0	0.28960E-07	597656.5	4173279.5	104.3	10.98	76.53	9.10	0.00	2.55	YES	HROFDY
A0000067	0	0.28960E-07	597733.0	4173279.5	104.4	10.98	76.53	9.10	0.00	2.55	YES	HROFDY
A0000068	0	0.28960E-07	597809.6	4173279.5	104.6	10.98	77.63	9.10	-1.00	2.55	YES	HROFDY
A0000069	0	0.28960E-07	597887.3	4173280.8	104.9	10.98	77.63	9.10	-1.00	2.55	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000026	0	0.28997E-07	599448.5	4173289.6	106.4	5.87	61.70	9.10	0.42	1.37	YES	HROFDY
A0000027	0	0.28997E-07	599510.2	4173289.1	106.1	5.87	61.70	9.10	0.42	1.37	YES	HROFDY
A0000028	0	0.28997E-07	599571.9	4173288.7	106.1	5.87	61.70	9.10	0.42	1.37	YES	HROFDY
A0000029	0	0.28997E-07	599633.7	4173288.2	106.1	5.87	75.32	9.10	0.00	1.37	YES	HROFDY
A0000030	0	0.28997E-07	599709.0	4173288.2	106.1	5.87	75.32	9.10	0.00	1.37	YES	HROFDY
A0000031	0	0.28997E-07	599784.3	4173288.2	106.2	5.87	75.32	9.10	0.00	1.37	YES	HROFDY
A0000032	0	0.28997E-07	599859.6	4173288.2	106.5	5.87	75.32	9.10	0.00	1.37	YES	HROFDY
A0000033	0	0.28997E-07	599934.9	4173288.2	106.5	5.87	89.17	9.10	0.43	1.37	YES	HROFDY
A0000034	0	0.28997E-07	600024.1	4173287.5	106.5	5.87	89.17	9.10	0.43	1.37	YES	HROFDY
A0000035	0	0.28997E-07	600113.3	4173286.9	106.6	5.87	89.17	9.10	0.43	1.37	YES	HROFDY
A0000036	0	0.28997E-07	600202.4	4173286.2	106.6	5.87	89.17	9.10	0.43	1.37	YES	HROFDY
A0000037	0	0.28997E-07	600291.6	4173285.5	106.5	5.87	76.00	9.10	0.26	1.37	YES	HROFDY
A0000038	0	0.28997E-07	600367.6	4173285.2	106.5	5.87	76.00	9.10	0.26	1.37	YES	HROFDY
A0000039	0	0.28997E-07	600443.6	4173284.8	106.5	5.87	76.00	9.10	0.26	1.37	YES	HROFDY
A0000040	0	0.28997E-07	600519.6	4173284.5	106.6	5.87	76.00	9.10	0.26	1.37	YES	HROFDY
A0000041	0	0.28997E-07	600595.6	4173284.2	106.6	5.87	80.16	9.10	-0.32	1.37	YES	HROFDY
A0000042	0	0.28997E-07	600675.8	4173284.6	106.6	5.87	80.16	9.10	-0.32	1.37	YES	HROFDY
A0000043	0	0.28997E-07	600756.0	4173285.1	106.7	5.87	80.16	9.10	-0.32	1.37	YES	HROFDY
A0000044	0	0.28997E-07	600836.1	4173285.5	106.7	5.87	79.26	9.10	-0.33	1.37	YES	HROFDY
A0000045	0	0.28997E-07	600915.4	4173286.0	106.7	5.87	79.26	9.10	-0.33	1.37	YES	HROFDY
A0000046	0	0.28997E-07	600994.6	4173286.4	106.7	5.87	79.26	9.10	-0.33	1.37	YES	HROFDY
A0000047	0	0.28997E-07	601073.9	4173286.9	107.0	5.87	67.10	9.10	-0.39	1.37	YES	HROFDY
A0000048	0	0.28997E-07	601141.0	4173287.3	107.4	5.87	67.10	9.10	-0.39	1.37	YES	HROFDY
A0000049	0	0.28997E-07	601208.1	4173287.8	108.0	5.87	67.10	9.10	-0.39	1.37	YES	HROFDY
A0000070	0	0.28997E-07	599448.5	4173289.6	106.4	10.98	61.70	9.10	0.42	2.55	YES	HROFDY
A0000071	0	0.28997E-07	599510.2	4173289.1	106.1	10.98	61.70	9.10	0.42	2.55	YES	HROFDY
A0000072	0	0.28997E-07	599571.9	4173288.7	106.1	10.98	61.70	9.10	0.42	2.55	YES	HROFDY
A0000073	0	0.28997E-07	599633.7	4173288.2	106.1	10.98	75.32	9.10	0.00	2.55	YES	HROFDY
A0000074	0	0.28997E-07	599709.0	4173288.2	106.1	10.98	75.32	9.10	0.00	2.55	YES	HROFDY
A0000075	0	0.28997E-07	599784.3	4173288.2	106.2	10.98	75.32	9.10	0.00	2.55	YES	HROFDY
A0000076	0	0.28997E-07	599859.6	4173288.2	106.5	10.98	75.32	9.10	0.00	2.55	YES	HROFDY
A0000077	0	0.28997E-07	599934.9	4173288.2	106.5	10.98	89.17	9.10	0.43	2.55	YES	HROFDY
A0000078	0	0.28997E-07	600024.1	4173287.5	106.5	10.98	89.17	9.10	0.43	2.55	YES	HROFDY
A0000079	0	0.28997E-07	600113.3	4173286.9	106.6	10.98	89.17	9.10	0.43	2.55	YES	HROFDY
A0000080	0	0.28997E-07	600202.4	4173286.2	106.6	10.98	89.17	9.10	0.43	2.55	YES	HROFDY
A0000081	0	0.28997E-07	600291.6	4173285.5	106.5	10.98	76.00	9.10	0.26	2.55	YES	HROFDY
A0000082	0	0.28997E-07	600367.6	4173285.2	106.5	10.98	76.00	9.10	0.26	2.55	YES	HROFDY
A0000083	0	0.28997E-07	600443.6	4173284.8	106.5	10.98	76.00	9.10	0.26	2.55	YES	HROFDY
A0000084	0	0.28997E-07	600519.6	4173284.5	106.6	10.98	76.00	9.10	0.26	2.55	YES	HROFDY
A0000085	0	0.28997E-07	600595.6	4173284.2	106.6	10.98	80.16	9.10	-0.32	2.55	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000086	0	0.28997E-07	600675.8	4173284.6	106.6	10.98	80.16	9.10	-0.32	2.55	YES	HROFDY
A0000087	0	0.28997E-07	600756.0	4173285.1	106.7	10.98	80.16	9.10	-0.32	2.55	YES	HROFDY
A0000088	0	0.28997E-07	600836.1	4173285.5	106.7	10.98	79.26	9.10	-0.33	2.55	YES	HROFDY
A0000089	0	0.28997E-07	600915.4	4173286.0	106.7	10.98	79.26	9.10	-0.33	2.55	YES	HROFDY
A0000090	0	0.28997E-07	600994.6	4173286.4	106.7	10.98	79.26	9.10	-0.33	2.55	YES	HROFDY
A0000091	0	0.28997E-07	601073.9	4173286.9	107.0	10.98	67.10	9.10	-0.39	2.55	YES	HROFDY
A0000092	0	0.28997E-07	601141.0	4173287.3	107.4	10.98	67.10	9.10	-0.39	2.55	YES	HROFDY
A0000093	0	0.28997E-07	601208.1	4173287.8	108.0	10.98	67.10	9.10	-0.39	2.55	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	A0000001 , A0000002 , A0000003 , A0000004 , A0000005 , A0000006 , A0000007 , A0000008 ,
	A0000009 , A0000010 , A0000011 , A0000012 , A0000013 , A0000014 , A0000015 , A0000016 ,
	A0000017 , A0000018 , A0000019 , A0000020 , A0000050 , A0000051 , A0000052 , A0000053 ,
	A0000054 , A0000055 , A0000056 , A0000057 , A0000058 , A0000059 , A0000060 , A0000061 ,
	A0000062 , A0000063 , A0000064 , A0000065 , A0000066 , A0000067 , A0000068 , A0000069 ,
	A0000026 , A0000027 , A0000028 , A0000029 , A0000030 , A0000031 , A0000032 , A0000033 ,
	A0000034 , A0000035 , A0000036 , A0000037 , A0000038 , A0000039 , A0000040 , A0000041 ,
	A0000042 , A0000043 , A0000044 , A0000045 , A0000046 , A0000047 , A0000048 , A0000049 ,
	A0000070 , A0000071 , A0000072 , A0000073 , A0000074 , A0000075 , A0000076 , A0000077 ,
	A0000078 , A0000079 , A0000080 , A0000081 , A0000082 , A0000083 , A0000084 , A0000085 ,
	A0000086 , A0000087 , A0000088 , A0000089 , A0000090 , A0000091 , A0000092 , A0000093 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	4656000.	A0000001 , A0000002 , A0000003 , A0000004 , A0000005 , A0000006 , A0000007 , A0000008 ,
		A0000009 , A0000010 , A0000011 , A0000012 , A0000013 , A0000014 , A0000015 , A0000016 ,
		A0000017 , A0000018 , A0000019 , A0000020 , A0000050 , A0000051 , A0000052 , A0000053 ,
		A0000054 , A0000055 , A0000056 , A0000057 , A0000058 , A0000059 , A0000060 , A0000061 ,
		A0000062 , A0000063 , A0000064 , A0000065 , A0000066 , A0000067 , A0000068 , A0000069 ,
		A0000026 , A0000027 , A0000028 , A0000029 , A0000030 , A0000031 , A0000032 , A0000033 ,
		A0000034 , A0000035 , A0000036 , A0000037 , A0000038 , A0000039 , A0000040 , A0000041 ,
		A0000042 , A0000043 , A0000044 , A0000045 , A0000046 , A0000047 , A0000048 , A0000049 ,
		A0000070 , A0000071 , A0000072 , A0000073 , A0000074 , A0000075 , A0000076 , A0000077 ,
		A0000078 , A0000079 , A0000080 , A0000081 , A0000082 , A0000083 , A0000084 , A0000085 ,
		A0000086 , A0000087 , A0000088 , A0000089 , A0000090 , A0000091 , A0000092 , A0000093 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000001 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000002 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000003 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000004 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000005 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000006 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000007 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000008 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000009 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000010 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000011 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000012 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000013 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000014 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000015 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000016 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000017 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000018 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000019 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000020 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000050 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000051 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000052 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000053 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000054 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000055 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000056 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000057 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000058 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000059 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000060 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000061 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000062 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000063 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000064 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000065 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000066 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000067 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000068 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000069 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000026 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000027 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000028 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000029 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000030 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000031 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000032 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000033 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000034 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000035 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000036 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000037 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000038 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000039 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000040 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000041 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000042 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000043 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000044 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000045 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000046 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000047 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000048 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000049 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000070 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000071 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000072 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000073 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000074 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000075 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000076 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000077 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000078 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000079 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000080 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000081 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000082 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000083 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000084 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000085 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000086 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000087 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000088 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000089 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000090 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000091 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000092 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000093 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	600059.7,	4173029.1,	105.8,	105.8,	0.0);	(600076.4,	4173220.6,	105.9,	105.9,	0.0);
(	600062.1,	4173202.7,	105.9,	105.9,	0.0);	(600060.3,	4173181.3,	106.1,	106.1,	0.0);
(	600068.3,	4173158.9,	106.1,	106.1,	0.0);	(600063.8,	4173141.0,	106.2,	106.2,	0.0);
(	600068.3,	4173118.7,	106.2,	106.2,	0.0);	(600063.8,	4173099.0,	106.0,	106.0,	0.0);
(	600064.7,	4173077.5,	105.9,	105.9,	0.0);	(600097.8,	4173221.5,	106.1,	106.1,	0.0);
(	600113.9,	4173205.4,	106.1,	106.1,	0.0);	(600138.1,	4173204.5,	105.9,	105.9,	0.0);
(	600153.3,	4173221.5,	105.9,	105.9,	0.0);	(600176.5,	4173221.5,	106.0,	106.0,	0.0);
(	600190.8,	4173202.7,	105.7,	105.7,	0.0);	(600215.9,	4173204.5,	105.9,	105.9,	0.0);
(	600259.7,	4173235.8,	106.3,	106.3,	0.0);	(600264.1,	4173217.9,	106.3,	106.3,	0.0);
(	600312.2,	4173227.6,	106.4,	106.4,	0.0);	(600335.4,	4173229.4,	106.4,	106.4,	0.0);
(	600388.2,	4173227.6,	106.5,	106.5,	0.0);	(600414.1,	4173228.5,	106.7,	106.7,	0.0);
(	600466.0,	4173227.6,	106.8,	106.8,	0.0);	(600494.6,	4173229.4,	106.8,	106.8,	0.0);
(	600537.5,	4173220.4,	107.1,	107.1,	0.0);	(600560.8,	4173228.5,	107.2,	107.2,	0.0);
(	600575.1,	4173229.4,	107.2,	107.2,	0.0);	(600591.2,	4173225.8,	107.2,	107.2,	0.0);
(	600605.5,	4173226.7,	107.3,	107.3,	0.0);	(600621.6,	4173226.7,	107.2,	107.2,	0.0);
(	600635.0,	4173226.7,	107.3,	107.3,	0.0);	(600653.8,	4173225.8,	107.2,	107.2,	0.0);
(	600668.1,	4173227.6,	107.2,	107.2,	0.0);	(600684.2,	4173229.7,	107.1,	107.1,	0.0);
(	600698.5,	4173218.6,	107.1,	107.1,	0.0);	(600696.9,	4173199.7,	107.0,	107.0,	0.0);
(	600657.4,	4173189.3,	107.3,	107.3,	0.0);	(600637.8,	4173192.0,	107.2,	107.2,	0.0);
(	600623.3,	4173189.9,	107.3,	107.3,	0.0);	(600608.8,	4173192.0,	107.1,	107.1,	0.0);
(	600593.0,	4173187.2,	107.3,	107.3,	0.0);	(600577.8,	4173189.6,	107.1,	107.1,	0.0);
(	600535.7,	4173203.1,	107.0,	107.0,	0.0);	(600506.7,	4173200.4,	106.7,	106.7,	0.0);
(	600453.0,	4173209.2,	106.8,	106.8,	0.0);	(600426.7,	4173210.2,	106.5,	106.5,	0.0);
(	600375.8,	4173210.2,	106.4,	106.4,	0.0);	(600349.5,	4173209.5,	106.2,	106.2,	0.0);
(	600657.7,	4173164.3,	106.9,	106.9,	0.0);	(600652.7,	4173142.7,	106.8,	106.8,	0.0);
(	600645.3,	4173130.9,	106.5,	106.5,	0.0);	(600626.0,	4173150.8,	107.0,	107.0,	0.0);
(	600611.2,	4173154.5,	106.9,	106.9,	0.0);	(600593.3,	4173156.5,	107.0,	107.0,	0.0);
(	600577.1,	4173157.6,	107.1,	107.1,	0.0);	(600536.7,	4173187.2,	106.9,	106.9,	0.0);
(	600541.4,	4173171.7,	106.9,	106.9,	0.0);	(600501.9,	4173177.5,	106.4,	106.4,	0.0);
(	600537.3,	4173156.5,	106.8,	106.8,	0.0);	(600502.3,	4173160.6,	106.4,	106.4,	0.0);
(	600453.4,	4173178.1,	106.6,	106.6,	0.0);	(600424.0,	4173176.8,	106.2,	106.2,	0.0);
(	600454.4,	4173158.2,	106.5,	106.5,	0.0);	(600426.0,	4173159.2,	106.2,	106.2,	0.0);
(	600695.5,	4173182.9,	107.0,	107.0,	0.0);	(600695.9,	4173169.0,	106.9,	106.9,	0.0);
(	600697.2,	4173151.2,	106.8,	106.8,	0.0);	(600693.2,	4173136.0,	106.7,	106.7,	0.0);
(	600688.1,	4173119.1,	106.8,	106.8,	0.0);	(600676.0,	4173103.3,	106.7,	106.7,	0.0);
(	600574.1,	4173113.0,	107.0,	107.0,	0.0);	(600591.6,	4173110.7,	107.1,	107.1,	0.0);
(	600604.1,	4173103.6,	106.9,	106.9,	0.0);	(600621.7,	4173096.9,	106.8,	106.8,	0.0);
(	600632.8,	4173086.4,	106.8,	106.8,	0.0);	(600644.9,	4173072.2,	106.7,	106.7,	0.0);
(	600690.1,	4173088.4,	106.9,	106.9,	0.0);	(600696.9,	4173067.5,	106.7,	106.7,	0.0);
(	600705.0,	4173047.9,	106.8,	106.8,	0.0);	(600653.0,	4173058.1,	106.6,	106.6,	0.0);
(	600111.0,	4173181.3,	106.0,	106.0,	0.0);	(600138.1,	4173182.6,	105.8,	105.8,	0.0);
(	600187.8,	4173183.3,	105.8,	105.8,	0.0);	(600218.2,	4173187.1,	105.9,	105.9,	0.0);
(	600109.7,	4173160.0,	106.2,	106.2,	0.0);	(600140.0,	4173160.0,	105.8,	105.8,	0.0);
(	600185.2,	4173161.3,	105.8,	105.8,	0.0);	(600265.4,	4173198.8,	106.1,	106.1,	0.0);
(	600296.4,	4173210.4,	106.3,	106.3,	0.0);	(600268.0,	4173175.5,	105.9,	105.9,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	600297.7,	4173176.2,	106.1,	106.1,	0.0);	(600348.1,	4173176.2,	106.0,	106.0,	0.0);
(	600375.2,	4173176.8,	106.2,	106.2,	0.0);	(600109.7,	4173141.9,	106.1,	106.1,	0.0);
(	600138.7,	4173141.3,	105.8,	105.8,	0.0);	(600109.0,	4173120.6,	105.9,	105.9,	0.0);
(	600143.9,	4173121.2,	105.8,	105.8,	0.0);	(600184.0,	4173141.9,	105.8,	105.8,	0.0);
(	600216.9,	4173143.2,	105.7,	105.7,	0.0);	(600218.2,	4173164.5,	105.8,	105.8,	0.0);
(	600217.6,	4173124.5,	105.9,	105.9,	0.0);	(600185.2,	4173120.6,	105.8,	105.8,	0.0);
(	600107.7,	4173100.6,	105.8,	105.8,	0.0);	(600142.0,	4173101.2,	105.8,	105.8,	0.0);
(	600185.9,	4173100.6,	105.8,	105.8,	0.0);	(600216.9,	4173103.2,	105.8,	105.8,	0.0);
(	600111.6,	4173078.6,	106.0,	106.0,	0.0);	(600140.7,	4173076.7,	105.8,	105.8,	0.0);
(	600189.1,	4173081.2,	105.6,	105.6,	0.0);	(600219.5,	4173079.3,	105.9,	105.9,	0.0);
(	600269.9,	4173154.8,	105.8,	105.8,	0.0);	(600297.7,	4173158.1,	105.9,	105.9,	0.0);
(	600346.8,	4173158.1,	106.0,	106.0,	0.0);	(600377.8,	4173156.8,	106.0,	106.0,	0.0);
(	600267.3,	4173112.8,	105.6,	105.6,	0.0);	(600292.5,	4173106.4,	105.9,	105.9,	0.0);
(	600315.1,	4173106.4,	105.8,	105.8,	0.0);	(600336.4,	4173105.1,	106.2,	106.2,	0.0);
(	600355.8,	4173107.0,	106.2,	106.2,	0.0);	(600375.2,	4173107.7,	106.3,	106.3,	0.0);
(	600397.8,	4173107.0,	106.2,	106.2,	0.0);	(600416.6,	4173107.0,	106.3,	106.3,	0.0);
(	600437.9,	4173107.0,	106.3,	106.3,	0.0);	(600456.0,	4173107.7,	106.3,	106.3,	0.0);
(	600501.8,	4173109.6,	106.5,	106.5,	0.0);	(600538.7,	4173113.5,	106.8,	106.8,	0.0);
(	600266.7,	4173088.9,	105.8,	105.8,	0.0);	(600315.1,	4173079.9,	106.3,	106.3,	0.0);
(	600338.4,	4173081.2,	106.3,	106.3,	0.0);	(600357.8,	4173080.5,	106.4,	106.4,	0.0);
(	600375.2,	4173080.5,	106.3,	106.3,	0.0);	(600399.8,	4173078.6,	106.3,	106.3,	0.0);
(	600418.5,	4173080.5,	106.3,	106.3,	0.0);	(600440.5,	4173079.9,	106.3,	106.3,	0.0);
(	600456.6,	4173079.9,	106.3,	106.3,	0.0);	(600504.4,	4173091.5,	106.7,	106.7,	0.0);
(	600538.7,	4173088.9,	106.8,	106.8,	0.0);	(600576.2,	4173086.4,	106.9,	106.9,	0.0);
(	600502.5,	4173071.5,	106.5,	106.5,	0.0);	(600536.7,	4173067.0,	107.0,	107.0,	0.0);
(	600576.2,	4173068.9,	107.0,	107.0,	0.0);	(600596.8,	4173066.3,	107.2,	107.2,	0.0);
(	600612.3,	4173059.2,	107.3,	107.3,	0.0);	(600623.3,	4173045.0,	107.3,	107.3,	0.0);
(	600658.9,	4173042.4,	106.6,	106.6,	0.0);	(600707.3,	4173026.9,	106.8,	106.8,	0.0);
(	600706.0,	4173003.7,	106.8,	106.8,	0.0);	(600704.7,	4172985.6,	106.6,	106.6,	0.0);
(	600708.0,	4172963.6,	106.8,	106.8,	0.0);	(600662.7,	4173027.6,	106.8,	106.8,	0.0);
(	600662.1,	4173011.4,	106.8,	106.8,	0.0);	(600622.0,	4173020.5,	107.4,	107.4,	0.0);
(	600602.0,	4173012.1,	107.3,	107.3,	0.0);	(600587.1,	4173015.9,	107.3,	107.3,	0.0);
(	600569.7,	4173017.9,	107.1,	107.1,	0.0);	(600551.0,	4173018.5,	107.2,	107.2,	0.0);
(	600536.1,	4173026.9,	107.2,	107.2,	0.0);	(600537.4,	4173048.2,	107.0,	107.0,	0.0);
(	600505.7,	4173046.9,	106.6,	106.6,	0.0);	(600297.7,	4173062.5,	106.3,	106.3,	0.0);
(	600269.2,	4173068.9,	105.6,	105.6,	0.0);	(600270.5,	4173048.9,	105.3,	105.3,	0.0);
(	600080.6,	4173028.2,	105.9,	105.9,	0.0);	(600100.6,	4173027.6,	105.9,	105.9,	0.0);
(	600123.2,	4173028.2,	105.8,	105.8,	0.0);	(600140.7,	4173028.9,	105.8,	105.8,	0.0);
(	600159.4,	4173028.2,	105.7,	105.7,	0.0);	(600179.4,	4173030.8,	105.7,	105.7,	0.0);
(	600199.5,	4173029.5,	105.8,	105.8,	0.0);	(600218.9,	4173027.6,	105.7,	105.7,	0.0);
(	600270.5,	4173029.5,	105.5,	105.5,	0.0);	(600297.7,	4173041.8,	106.3,	106.3,	0.0);
(	600342.9,	4173032.1,	106.1,	106.1,	0.0);	(600364.9,	4173031.4,	106.2,	106.2,	0.0);
(	600383.6,	4173031.4,	106.3,	106.3,	0.0);	(600404.3,	4173031.4,	106.4,	106.4,	0.0);
(	600423.0,	4173031.4,	106.3,	106.3,	0.0);	(600443.7,	4173034.0,	106.3,	106.3,	0.0);
(	600466.3,	4173032.1,	106.4,	106.4,	0.0);	(600487.6,	4173031.4,	106.6,	106.6,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(600072.8,	4172998.5,	106.0,	106.0,	0.0);	(600100.0,	4172999.1,	105.9,	105.9,	0.0);
(600120.0,	4172998.5,	105.8,	105.8,	0.0);	(600139.4,	4172999.8,	105.8,	105.8,	0.0);
(600159.4,	4172999.1,	105.6,	105.6,	0.0);	(600179.4,	4173001.1,	105.5,	105.5,	0.0);
(600198.8,	4172997.8,	105.6,	105.6,	0.0);	(600218.9,	4173001.1,	105.5,	105.5,	0.0);
(600269.2,	4173002.4,	105.4,	105.4,	0.0);	(600297.7,	4173021.1,	106.1,	106.1,	0.0);
(600298.3,	4173002.4,	105.9,	105.9,	0.0);	(600346.1,	4173003.7,	105.9,	105.9,	0.0);
(600366.2,	4173004.3,	106.1,	106.1,	0.0);	(600384.2,	4173004.3,	106.2,	106.2,	0.0);
(600404.9,	4173006.2,	106.2,	106.2,	0.0);	(600425.0,	4173005.6,	106.1,	106.1,	0.0);
(600443.1,	4173007.5,	106.2,	106.2,	0.0);	(600465.7,	4173005.6,	106.1,	106.1,	0.0);
(600488.9,	4173007.5,	106.3,	106.3,	0.0);	(600505.1,	4172990.7,	106.3,	106.3,	0.0);
(600551.0,	4172990.1,	107.0,	107.0,	0.0);	(600568.4,	4172990.1,	106.8,	106.8,	0.0);
(600585.8,	4172982.3,	106.8,	106.8,	0.0);	(600601.3,	4172983.0,	106.7,	106.7,	0.0);
(600616.9,	4172984.3,	106.7,	106.7,	0.0);	(600630.4,	4172984.9,	106.7,	106.7,	0.0);
(600644.6,	4172986.9,	106.6,	106.6,	0.0);	(600662.1,	4172988.1,	106.7,	106.7,	0.0);
(600061.2,	4172970.7,	105.9,	105.9,	0.0);	(599774.5,	4173081.7,	105.5,	105.5,	0.0);
(599792.1,	4173082.8,	105.9,	105.9,	0.0);	(599811.9,	4173082.2,	105.8,	105.8,	0.0);
(599829.4,	4173086.1,	105.8,	105.8,	0.0);	(599853.0,	4173083.3,	105.9,	105.9,	0.0);
(599870.6,	4173082.8,	105.8,	105.8,	0.0);	(599891.5,	4173081.1,	105.8,	105.8,	0.0);
(599908.5,	4173084.4,	105.8,	105.8,	0.0);	(599928.8,	4173083.9,	105.7,	105.7,	0.0);
(599950.2,	4173084.4,	105.6,	105.6,	0.0);	(599970.0,	4173085.0,	105.5,	105.5,	0.0);
(599992.5,	4173082.8,	105.7,	105.7,	0.0);	(600011.2,	4173085.5,	105.8,	105.8,	0.0);
(599773.4,	4173107.2,	105.6,	105.6,	0.0);	(599798.4,	4173107.2,	105.5,	105.5,	0.0);
(599823.4,	4173107.2,	105.7,	105.7,	0.0);	(599848.4,	4173107.2,	105.9,	105.9,	0.0);
(599873.4,	4173107.2,	105.6,	105.6,	0.0);	(599898.4,	4173107.2,	105.8,	105.8,	0.0);
(599923.4,	4173107.2,	105.5,	105.5,	0.0);	(599948.4,	4173107.2,	105.9,	105.9,	0.0);
(599973.4,	4173107.2,	105.8,	105.8,	0.0);	(599773.4,	4173132.2,	105.8,	105.8,	0.0);
(599798.4,	4173132.2,	105.3,	105.3,	0.0);	(599823.4,	4173132.2,	105.4,	105.4,	0.0);
(599873.4,	4173132.2,	105.5,	105.5,	0.0);	(599898.4,	4173132.2,	105.7,	105.7,	0.0);
(599973.4,	4173132.2,	105.7,	105.7,	0.0);	(599773.4,	4173157.2,	105.8,	105.8,	0.0);
(599823.4,	4173157.2,	105.5,	105.5,	0.0);	(599848.4,	4173157.2,	105.5,	105.5,	0.0);
(599873.4,	4173157.2,	105.4,	105.4,	0.0);	(599898.4,	4173157.2,	105.8,	105.8,	0.0);
(599923.4,	4173157.2,	105.4,	105.4,	0.0);	(599948.4,	4173157.2,	105.7,	105.7,	0.0);
(599973.4,	4173157.2,	105.7,	105.7,	0.0);	(599773.4,	4173182.2,	106.1,	106.1,	0.0);
(599823.4,	4173182.2,	105.8,	105.8,	0.0);	(599848.4,	4173182.2,	105.7,	105.7,	0.0);
(599873.4,	4173182.2,	105.6,	105.6,	0.0);	(599898.4,	4173182.2,	105.6,	105.6,	0.0);
(599923.4,	4173182.2,	105.8,	105.8,	0.0);	(599948.4,	4173182.2,	105.9,	105.9,	0.0);
(599973.4,	4173182.2,	105.8,	105.8,	0.0);	(599773.4,	4173207.2,	106.2,	106.2,	0.0);
(599798.4,	4173207.2,	105.7,	105.7,	0.0);	(599823.4,	4173207.2,	105.9,	105.9,	0.0);
(599873.4,	4173207.2,	106.1,	106.1,	0.0);	(599898.4,	4173207.2,	105.8,	105.8,	0.0);
(599973.4,	4173207.2,	106.1,	106.1,	0.0);	(599773.4,	4173232.2,	105.7,	105.7,	0.0);
(599798.4,	4173232.2,	105.7,	105.7,	0.0);	(599823.4,	4173232.2,	105.7,	105.7,	0.0);
(599848.4,	4173232.2,	105.6,	105.6,	0.0);	(599873.4,	4173232.2,	105.7,	105.7,	0.0);
(599898.4,	4173232.2,	105.4,	105.4,	0.0);	(599923.4,	4173232.2,	105.5,	105.5,	0.0);
(599948.4,	4173232.2,	105.6,	105.6,	0.0);	(599973.4,	4173232.2,	105.7,	105.7,	0.0);
(599764.1,	4173028.3,	105.8,	105.8,	0.0);	(599785.4,	4173024.4,	105.7,	105.7,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	599807.4,	4173025.0,	105.9,	105.9,	0.0);	(599847.4,	4173028.3,	105.8,	105.8,	0.0);
(	599868.8,	4173030.2,	105.7,	105.7,	0.0);	(599888.1,	4173032.8,	105.8,	105.8,	0.0);
(	599904.9,	4173030.2,	105.8,	105.8,	0.0);	(599928.8,	4173031.5,	105.7,	105.7,	0.0);
(	599944.4,	4173032.2,	105.6,	105.6,	0.0);	(599963.1,	4173030.2,	105.7,	105.7,	0.0);
(	600005.7,	4173036.0,	105.6,	105.6,	0.0);	(600007.0,	4173011.5,	105.8,	105.8,	0.0);
(	599957.9,	4173007.0,	105.9,	105.9,	0.0);	(599929.5,	4172992.7,	105.7,	105.7,	0.0);
(	599906.9,	4173007.0,	105.9,	105.9,	0.0);	(599886.2,	4172999.8,	105.8,	105.8,	0.0);
(	599850.0,	4173006.3,	105.8,	105.8,	0.0);	(599739.5,	4173025.0,	105.4,	105.4,	0.0);
(	599703.3,	4173028.3,	105.1,	105.1,	0.0);	(599685.2,	4173024.4,	104.9,	104.9,	0.0);
(	599733.1,	4173003.1,	105.4,	105.4,	0.0);	(599696.9,	4173000.5,	105.0,	105.0,	0.0);
(	599733.7,	4173082.6,	105.5,	105.5,	0.0);	(599714.3,	4173082.6,	105.4,	105.4,	0.0);
(	599692.4,	4173076.7,	105.1,	105.1,	0.0);	(599673.6,	4173073.5,	105.1,	105.1,	0.0);
(	599653.6,	4173069.6,	104.9,	104.9,	0.0);	(599637.4,	4173063.8,	105.0,	105.0,	0.0);
(	599618.7,	4173056.1,	104.8,	104.8,	0.0);	(599601.9,	4173050.9,	104.8,	104.8,	0.0);
(	599581.9,	4173041.8,	104.8,	104.8,	0.0);	(599566.3,	4173030.9,	104.6,	104.6,	0.0);
(	599549.5,	4173019.9,	104.5,	104.5,	0.0);	(599534.7,	4173008.9,	104.6,	104.6,	0.0);
(	599519.2,	4172997.3,	104.6,	104.6,	0.0);	(599505.6,	4172979.8,	104.5,	104.5,	0.0);
(	599459.1,	4172988.2,	104.7,	104.7,	0.0);	(599435.2,	4172988.9,	104.8,	104.8,	0.0);
(	599476.5,	4172972.7,	104.5,	104.5,	0.0);	(599488.2,	4172959.8,	104.5,	104.5,	0.0);
(	597065.0,	4173420.0,	102.1,	102.1,	0.0);	(597090.0,	4173420.0,	102.5,	102.5,	0.0);
(	597115.0,	4173420.0,	102.6,	102.6,	0.0);	(597040.0,	4173445.0,	102.3,	102.3,	0.0);
(	597065.0,	4173445.0,	102.5,	102.5,	0.0);	(597090.0,	4173445.0,	102.7,	102.7,	0.0);
(	597115.0,	4173445.0,	102.7,	102.7,	0.0);	(597140.0,	4173445.0,	102.4,	102.4,	0.0);
(	597015.0,	4173470.0,	102.3,	102.3,	0.0);	(597040.0,	4173470.0,	102.3,	102.3,	0.0);
(	597065.0,	4173470.0,	102.2,	102.2,	0.0);	(597115.0,	4173470.0,	102.6,	102.6,	0.0);
(	597140.0,	4173470.0,	102.2,	102.2,	0.0);	(597165.0,	4173470.0,	102.6,	102.6,	0.0);
(	597015.0,	4173495.0,	102.6,	102.6,	0.0);	(597040.0,	4173495.0,	102.7,	102.7,	0.0);
(	597065.0,	4173495.0,	102.5,	102.5,	0.0);	(597115.0,	4173495.0,	102.7,	102.7,	0.0);
(	597140.0,	4173495.0,	102.5,	102.5,	0.0);	(597165.0,	4173495.0,	102.8,	102.8,	0.0);
(	597190.0,	4173495.0,	102.8,	102.8,	0.0);	(597015.0,	4173520.0,	102.4,	102.4,	0.0);
(	597040.0,	4173520.0,	102.5,	102.5,	0.0);	(597065.0,	4173520.0,	102.4,	102.4,	0.0);
(	597115.0,	4173520.0,	102.7,	102.7,	0.0);	(597140.0,	4173520.0,	102.3,	102.3,	0.0);
(	597165.0,	4173520.0,	102.6,	102.6,	0.0);	(597190.0,	4173520.0,	102.4,	102.4,	0.0);
(	597015.0,	4173545.0,	102.6,	102.6,	0.0);	(597040.0,	4173545.0,	102.8,	102.8,	0.0);
(	597065.0,	4173545.0,	102.8,	102.8,	0.0);	(597115.0,	4173545.0,	102.9,	102.9,	0.0);
(	597140.0,	4173545.0,	102.7,	102.7,	0.0);	(597165.0,	4173545.0,	102.9,	102.9,	0.0);
(	597190.0,	4173545.0,	102.8,	102.8,	0.0);	(597015.0,	4173570.0,	102.9,	102.9,	0.0);
(	597040.0,	4173570.0,	103.0,	103.0,	0.0);	(597065.0,	4173570.0,	103.1,	103.1,	0.0);
(	597115.0,	4173570.0,	103.2,	103.2,	0.0);	(597140.0,	4173570.0,	103.2,	103.2,	0.0);
(	597165.0,	4173570.0,	103.1,	103.1,	0.0);	(597190.0,	4173570.0,	103.3,	103.3,	0.0);
(	597015.0,	4173595.0,	103.1,	103.1,	0.0);	(597040.0,	4173595.0,	103.1,	103.1,	0.0);
(	597065.0,	4173595.0,	103.3,	103.3,	0.0);	(597115.0,	4173595.0,	103.5,	103.5,	0.0);
(	597140.0,	4173595.0,	103.4,	103.4,	0.0);	(597165.0,	4173595.0,	103.3,	103.3,	0.0);
(	597190.0,	4173595.0,	103.4,	103.4,	0.0);	(597015.0,	4173620.0,	103.0,	103.0,	0.0);
(	597040.0,	4173620.0,	103.2,	103.2,	0.0);	(597065.0,	4173620.0,	103.4,	103.4,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(597115.0,	4173620.0,	104.1,	104.1,	0.0);	(597140.0,	4173620.0,	103.7,	103.7,	0.0);
(597165.0,	4173620.0,	103.7,	103.7,	0.0);	(597190.0,	4173620.0,	103.5,	103.5,	0.0);
(597015.0,	4173645.0,	102.8,	102.8,	0.0);	(597040.0,	4173645.0,	103.2,	103.2,	0.0);
(597065.0,	4173645.0,	103.5,	103.5,	0.0);	(597115.0,	4173645.0,	104.1,	104.1,	0.0);
(597140.0,	4173645.0,	104.0,	104.0,	0.0);	(597165.0,	4173645.0,	103.6,	103.6,	0.0);
(597190.0,	4173645.0,	103.7,	103.7,	0.0);	(597015.0,	4173670.0,	102.9,	102.9,	0.0);
(597040.0,	4173670.0,	103.4,	103.4,	0.0);	(597065.0,	4173670.0,	103.7,	103.7,	0.0);
(597115.0,	4173670.0,	104.0,	104.0,	0.0);	(597140.0,	4173670.0,	104.0,	104.0,	0.0);
(597165.0,	4173670.0,	103.8,	103.8,	0.0);	(597190.0,	4173670.0,	103.6,	103.6,	0.0);
(597015.0,	4173695.0,	103.1,	103.1,	0.0);	(597040.0,	4173695.0,	103.5,	103.5,	0.0);
(597065.0,	4173695.0,	103.9,	103.9,	0.0);	(597115.0,	4173695.0,	104.1,	104.1,	0.0);
(597140.0,	4173695.0,	104.1,	104.1,	0.0);	(597165.0,	4173695.0,	104.0,	104.0,	0.0);
(597190.0,	4173695.0,	103.8,	103.8,	0.0);	(597015.0,	4173720.0,	103.4,	103.4,	0.0);
(597040.0,	4173720.0,	103.7,	103.7,	0.0);	(597065.0,	4173720.0,	103.9,	103.9,	0.0);
(597115.0,	4173720.0,	104.1,	104.1,	0.0);	(597140.0,	4173720.0,	104.1,	104.1,	0.0);
(597165.0,	4173720.0,	104.2,	104.2,	0.0);	(597190.0,	4173720.0,	104.1,	104.1,	0.0);
(597232.8,	4173605.0,	103.1,	103.1,	0.0);	(597257.8,	4173605.0,	102.9,	102.9,	0.0);
(597282.8,	4173605.0,	102.8,	102.8,	0.0);	(597307.8,	4173605.0,	103.0,	103.0,	0.0);
(597232.8,	4173630.0,	103.4,	103.4,	0.0);	(597257.8,	4173630.0,	103.1,	103.1,	0.0);
(597282.8,	4173630.0,	103.1,	103.1,	0.0);	(597307.8,	4173630.0,	103.2,	103.2,	0.0);
(597232.8,	4173655.0,	103.4,	103.4,	0.0);	(597257.8,	4173655.0,	103.2,	103.2,	0.0);
(597282.8,	4173655.0,	103.3,	103.3,	0.0);	(597307.8,	4173655.0,	103.4,	103.4,	0.0);
(597232.8,	4173680.0,	103.7,	103.7,	0.0);	(597257.8,	4173680.0,	103.5,	103.5,	0.0);
(597282.8,	4173680.0,	103.6,	103.6,	0.0);	(597307.8,	4173680.0,	103.7,	103.7,	0.0);
(597232.8,	4173705.0,	103.8,	103.8,	0.0);	(597257.8,	4173705.0,	103.7,	103.7,	0.0);
(597282.8,	4173705.0,	103.6,	103.6,	0.0);	(597307.8,	4173705.0,	103.6,	103.6,	0.0);
(597232.8,	4173730.0,	103.9,	103.9,	0.0);	(597257.8,	4173730.0,	103.6,	103.6,	0.0);
(597282.8,	4173730.0,	103.6,	103.6,	0.0);	(597307.8,	4173730.0,	103.5,	103.5,	0.0);
(597232.8,	4173755.0,	103.9,	103.9,	0.0);	(597257.8,	4173755.0,	103.6,	103.6,	0.0);
(597282.8,	4173755.0,	103.7,	103.7,	0.0);	(597307.8,	4173755.0,	103.8,	103.8,	0.0);
(597160.0,	4172930.0,	100.9,	100.9,	0.0);	(597185.0,	4172930.0,	100.7,	100.7,	0.0);
(597210.0,	4172930.0,	100.9,	100.9,	0.0);	(597235.0,	4172930.0,	100.7,	100.7,	0.0);
(597260.0,	4172930.0,	100.6,	100.6,	0.0);	(597285.0,	4172930.0,	100.8,	100.8,	0.0);
(597310.0,	4172930.0,	100.9,	100.9,	0.0);	(597160.0,	4172955.0,	100.7,	100.7,	0.0);
(597185.0,	4172955.0,	100.6,	100.6,	0.0);	(597210.0,	4172955.0,	100.7,	100.7,	0.0);
(597235.0,	4172955.0,	100.7,	100.7,	0.0);	(597260.0,	4172955.0,	100.8,	100.8,	0.0);
(597285.0,	4172955.0,	100.8,	100.8,	0.0);	(597310.0,	4172955.0,	100.8,	100.8,	0.0);
(597160.0,	4172980.0,	100.7,	100.7,	0.0);	(597185.0,	4172980.0,	100.6,	100.6,	0.0);
(597210.0,	4172980.0,	100.6,	100.6,	0.0);	(597235.0,	4172980.0,	100.7,	100.7,	0.0);
(597260.0,	4172980.0,	100.7,	100.7,	0.0);	(597285.0,	4172980.0,	100.6,	100.6,	0.0);
(597310.0,	4172980.0,	100.9,	100.9,	0.0);	(597160.0,	4173005.0,	100.6,	100.6,	0.0);
(597185.0,	4173005.0,	100.5,	100.5,	0.0);	(597210.0,	4173005.0,	100.6,	100.6,	0.0);
(597235.0,	4173005.0,	100.6,	100.6,	0.0);	(597260.0,	4173005.0,	100.8,	100.8,	0.0);
(597285.0,	4173005.0,	100.7,	100.7,	0.0);	(597310.0,	4173005.0,	100.8,	100.8,	0.0);
(597160.0,	4173030.0,	100.7,	100.7,	0.0);	(597185.0,	4173030.0,	100.5,	100.5,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	597210.0,	4173030.0,	100.6,	100.6,	0.0);	(	597235.0,	4173030.0,	100.7,	100.7,	0.0);
(	597260.0,	4173030.0,	100.8,	100.8,	0.0);	(	597285.0,	4173030.0,	100.9,	100.9,	0.0);
(	597310.0,	4173030.0,	101.0,	101.0,	0.0);	(	597160.0,	4173055.0,	101.1,	101.1,	0.0);
(	597185.0,	4173055.0,	100.6,	100.6,	0.0);	(	597210.0,	4173055.0,	100.8,	100.8,	0.0);
(	597235.0,	4173055.0,	100.7,	100.7,	0.0);	(	597260.0,	4173055.0,	100.9,	100.9,	0.0);
(	597285.0,	4173055.0,	101.0,	101.0,	0.0);	(	597310.0,	4173055.0,	101.1,	101.1,	0.0);

```
*** MODELOPTs:    NonDFAULT  CONC  ELEV  FASTAREA  URBAN  SigA Data

                                                              *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                                                (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1

               NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.


                                                    *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                                                             (METERS/SEC)

                                                                  1.54,   3.09,   5.14,   8.23,  10.80,
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\..\..\..\metdata\PLEASANTON_2010-2015\PLEASANTON_2010-2015.SFC Met Version: 15181
Profile file: ..\..\..\..\metdata\PLEASANTON_2010-2015\PLEASANTON_2010-2015.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23285 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2010 Year: 2010

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
10	01	01	1	01	-0.8	0.028	-9.000	-9.000	-999.	11.	2.3	0.03	0.99	1.00	0.80	164.	10.0	281.4	6.2
10	01	01	1	02	-2.9	0.055	-9.000	-9.000	-999.	31.	5.3	0.13	0.99	1.00	1.20	250.	10.0	281.4	6.2
10	01	01	1	03	-1.4	0.037	-9.000	-9.000	-999.	17.	3.4	0.08	0.99	1.00	0.90	353.	10.0	281.4	6.2
10	01	01	1	04	-1.1	0.033	-9.000	-9.000	-999.	15.	3.0	0.08	0.99	1.00	0.80	345.	10.0	281.4	6.2
10	01	01	1	05	-1.0	0.035	-9.000	-9.000	-999.	16.	3.8	0.03	0.99	1.00	1.00	156.	10.0	281.0	6.2
10	01	01	1	06	-0.7	0.033	-9.000	-9.000	-999.	14.	4.5	0.14	0.99	1.00	0.70	9.	10.0	281.4	6.2
10	01	01	1	07	-1.3	0.037	-9.000	-9.000	-999.	17.	3.5	0.13	0.99	1.00	0.80	212.	10.0	281.4	6.2
10	01	01	1	08	-0.8	0.031	-9.000	-9.000	-999.	13.	3.4	0.03	0.99	0.75	0.90	194.	10.0	281.4	6.2
10	01	01	1	09	1.0	0.070	0.059	0.010	8.	45.	-32.2	0.03	0.99	0.40	0.90	152.	10.0	281.5	6.2
10	01	01	1	10	7.6	0.126	0.228	0.009	56.	107.	-23.6	0.11	0.99	0.28	1.20	330.	10.0	282.2	6.2
10	01	01	1	11	86.1	0.141	0.845	0.006	253.	127.	-3.0	0.11	0.99	0.23	1.00	319.	10.0	283.4	6.2
10	01	01	1	12	50.9	0.109	0.762	0.005	315.	86.	-2.3	0.13	0.99	0.22	0.70	216.	10.0	285.0	6.2
10	01	01	1	13	104.6	0.161	1.094	0.005	453.	155.	-3.6	0.08	0.99	0.21	1.30	138.	10.0	286.6	6.2
10	01	01	1	14	94.3	0.245	1.142	0.005	570.	290.	-14.0	0.08	0.99	0.22	2.40	149.	10.0	288.4	6.2
10	01	01	1	15	67.0	0.169	1.063	0.005	648.	169.	-6.5	0.08	0.99	0.25	1.50	127.	10.0	288.6	6.2
10	01	01	1	16	2.4	0.107	0.353	0.005	651.	85.	-45.4	0.22	0.99	0.34	0.90	42.	10.0	288.9	6.2
10	01	01	1	17	-1.3	0.042	-9.000	-9.000	-999.	22.	5.2	0.03	0.99	0.58	1.20	158.	10.0	288.8	6.2
10	01	01	1	18	-2.2	0.045	-9.000	-9.000	-999.	23.	3.8	0.03	0.99	1.00	1.30	199.	10.0	287.9	6.2
10	01	01	1	19	-7.4	0.089	-9.000	-9.000	-999.	64.	8.8	0.14	0.99	1.00	1.90	292.	10.0	287.2	6.2
10	01	01	1	20	-1.7	0.049	-9.000	-9.000	-999.	27.	6.4	0.08	0.99	1.00	1.20	149.	10.0	285.8	6.2
10	01	01	1	21	-1.2	0.042	-9.000	-9.000	-999.	20.	5.6	0.22	0.99	1.00	0.80	53.	10.0	285.6	6.2
10	01	01	1	22	-1.1	0.039	-9.000	-9.000	-999.	18.	4.6	0.03	0.99	1.00	1.10	169.	10.0	285.5	6.2
10	01	01	1	23	-2.2	0.054	-9.000	-9.000	-999.	30.	6.3	0.08	0.99	1.00	1.30	131.	10.0	285.4	6.2
10	01	01	1	24	-0.6	0.025	-9.000	-9.000	-999.	9.	2.1	0.03	0.99	1.00	0.70	163.	10.0	284.8	6.2

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
10	01	01	01	6.2	0	-999.	-99.00	281.4	999.0	-99.00	-99.00
10	01	01	01	10.0	1	164.	0.80	-999.0	35.4	-99.00	0.41

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000050 ,
A0000051 , A0000052 , A0000053 , A0000054 , A0000055 , A0000056 , A0000057 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600059.72	4173029.06	0.00084	600076.36	4173220.62	0.00241
600062.05	4173202.73	0.00207	600060.27	4173181.27	0.00177
600068.31	4173158.92	0.00153	600063.84	4173141.04	0.00138
600068.31	4173118.68	0.00123	600063.84	4173099.01	0.00111
600064.74	4173077.55	0.00101	600097.82	4173221.51	0.00245
600113.91	4173205.42	0.00215	600138.06	4173204.52	0.00214
600153.26	4173221.51	0.00248	600176.50	4173221.51	0.00250
600190.81	4173202.73	0.00213	600215.85	4173204.52	0.00218
600259.66	4173235.82	0.00294	600264.13	4173217.93	0.00249
600312.16	4173227.57	0.00275	600335.41	4173229.36	0.00281
600388.17	4173227.57	0.00279	600414.10	4173228.46	0.00283
600465.97	4173227.57	0.00282	600494.58	4173229.36	0.00288
600537.51	4173220.42	0.00265	600560.76	4173228.46	0.00286
600575.06	4173229.36	0.00288	600591.16	4173225.78	0.00278
600605.47	4173226.68	0.00280	600621.56	4173226.68	0.00282
600634.98	4173226.68	0.00281	600653.76	4173225.78	0.00280
600668.06	4173227.57	0.00285	600684.18	4173229.70	0.00291
600698.47	4173218.63	0.00264	600696.86	4173199.72	0.00226
600657.40	4173189.27	0.00207	600637.84	4173191.96	0.00212
600623.34	4173189.94	0.00208	600608.84	4173191.96	0.00212
600592.98	4173187.24	0.00204	600577.81	4173189.60	0.00208
600535.65	4173203.09	0.00230	600506.65	4173200.40	0.00224
600453.02	4173209.17	0.00239	600426.71	4173210.18	0.00240
600375.79	4173210.18	0.00238	600349.48	4173209.50	0.00235
600657.74	4173164.31	0.00177	600652.68	4173142.72	0.00156
600645.26	4173130.92	0.00146	600626.04	4173150.82	0.00163
600611.20	4173154.53	0.00167	600593.32	4173156.55	0.00168
600577.13	4173157.56	0.00169	600536.66	4173187.24	0.00204
600541.38	4173171.73	0.00184	600501.92	4173177.46	0.00190
600537.34	4173156.55	0.00168	600502.26	4173160.60	0.00171
600453.36	4173178.14	0.00190	600424.01	4173176.79	0.00187
600454.37	4173158.24	0.00167	600426.04	4173159.25	0.00167
600695.51	4173182.86	0.00200	600695.85	4173169.03	0.00183
600697.20	4173151.16	0.00164	600693.15	4173135.98	0.00151
600688.09	4173119.12	0.00138	600675.95	4173103.26	0.00128
600574.10	4173113.04	0.00133	600591.64	4173110.68	0.00132
600604.11	4173103.60	0.00128	600621.65	4173096.86	0.00124
600632.78	4173086.40	0.00118	600644.92	4173072.24	0.00112
600690.12	4173088.42	0.00120	600696.86	4173067.51	0.00110
600704.96	4173047.95	0.00102	600653.02	4173058.07	0.00105

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000050 ,
A0000051 , A0000052 , A0000053 , A0000054 , A0000055 , A0000056 , A0000057 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600110.95	4173181.34	0.00179	600138.09	4173182.63	0.00181
600187.84	4173183.28	0.00185	600218.20	4173187.15	0.00192
600109.66	4173160.02	0.00156	600140.03	4173160.02	0.00157
600185.25	4173161.31	0.00160	600265.37	4173198.78	0.00211
600296.38	4173210.41	0.00234	600267.95	4173175.52	0.00179
600297.68	4173176.17	0.00181	600348.07	4173176.17	0.00183
600375.21	4173176.82	0.00185	600109.66	4173141.93	0.00141
600138.73	4173141.28	0.00141	600109.01	4173120.61	0.00125
600143.90	4173121.25	0.00127	600183.96	4173141.93	0.00143
600216.91	4173143.22	0.00145	600218.20	4173164.54	0.00164
600217.56	4173124.48	0.00132	600185.25	4173120.61	0.00128
600107.72	4173100.58	0.00113	600141.96	4173101.22	0.00115
600185.90	4173100.58	0.00116	600216.91	4173103.16	0.00118
600111.60	4173078.61	0.00103	600140.67	4173076.67	0.00103
600189.13	4173081.19	0.00106	600219.50	4173079.26	0.00107
600269.89	4173154.85	0.00157	600297.68	4173158.08	0.00161
600346.78	4173158.08	0.00163	600377.79	4173156.79	0.00163
600267.31	4173112.85	0.00125	600292.51	4173106.39	0.00123
600315.12	4173106.39	0.00123	600336.44	4173105.10	0.00123
600355.83	4173107.04	0.00125	600375.21	4173107.68	0.00126
600397.82	4173107.04	0.00126	600416.56	4173107.04	0.00126
600437.88	4173107.04	0.00127	600455.97	4173107.68	0.00128
600501.84	4173109.62	0.00130	600538.67	4173113.50	0.00133
600266.66	4173088.95	0.00112	600315.12	4173079.90	0.00110
600338.38	4173081.19	0.00111	600357.76	4173080.55	0.00111
600375.21	4173080.55	0.00112	600399.76	4173078.61	0.00111
600418.50	4173080.55	0.00112	600440.46	4173079.90	0.00112
600456.62	4173079.90	0.00113	600504.43	4173091.53	0.00120
600538.67	4173088.95	0.00119	600576.15	4173086.36	0.00118
600502.49	4173071.50	0.00110	600536.73	4173066.98	0.00108
600576.15	4173068.92	0.00109	600596.82	4173066.33	0.00108
600612.33	4173059.23	0.00105	600623.31	4173045.01	0.00100
600658.85	4173042.43	0.00099	600707.31	4173026.92	0.00094
600706.01	4173003.66	0.00087	600704.72	4172985.57	0.00082
600707.95	4172963.60	0.00076	600662.72	4173027.57	0.00094
600662.08	4173011.41	0.00089	600622.02	4173020.46	0.00091
600601.99	4173012.06	0.00088	600587.13	4173015.94	0.00089
600569.69	4173017.88	0.00090	600550.95	4173018.52	0.00090
600536.09	4173026.92	0.00093	600537.38	4173048.24	0.00100
600505.72	4173046.95	0.00100	600297.68	4173062.46	0.00102

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000050 ,
A0000051 , A0000052 , A0000053 , A0000054 , A0000055 , A0000056 , A0000057 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
600269.25	4173068.92	0.00103	600270.54	4173048.89	0.00095
600080.58	4173028.21	0.00084	600100.61	4173027.57	0.00084
600123.23	4173028.21	0.00085	600140.67	4173028.86	0.00086
600159.41	4173028.21	0.00086	600179.44	4173030.80	0.00087
600199.47	4173029.51	0.00087	600218.85	4173027.57	0.00087
600270.54	4173029.51	0.00089	600297.68	4173041.78	0.00094
600342.90	4173032.09	0.00092	600364.87	4173031.44	0.00092
600383.61	4173031.44	0.00092	600404.28	4173031.44	0.00092
600423.02	4173031.44	0.00093	600443.70	4173034.03	0.00094
600466.31	4173032.09	0.00094	600487.63	4173031.44	0.00094
600072.83	4172998.49	0.00076	600099.97	4172999.14	0.00077
600120.00	4172998.49	0.00077	600139.38	4172999.78	0.00078
600159.41	4172999.14	0.00078	600179.44	4173001.08	0.00079
600198.82	4172997.85	0.00078	600218.85	4173001.08	0.00080
600269.25	4173002.37	0.00081	600297.68	4173021.11	0.00087
600298.32	4173002.37	0.00082	600346.13	4173003.66	0.00083
600366.16	4173004.31	0.00083	600384.25	4173004.31	0.00084
600404.93	4173006.25	0.00085	600424.96	4173005.60	0.00085
600443.05	4173007.54	0.00086	600465.66	4173005.60	0.00085
600488.92	4173007.54	0.00086	600505.08	4172990.74	0.00082
600550.95	4172990.09	0.00082	600568.39	4172990.09	0.00082
600585.84	4172982.34	0.00080	600601.34	4172982.99	0.00081
600616.85	4172984.28	0.00081	600630.42	4172984.92	0.00081
600644.63	4172986.86	0.00082	600662.08	4172988.15	0.00082
600061.20	4172970.71	0.00070	599774.51	4173081.70	0.00088
599792.08	4173082.80	0.00090	599811.85	4173082.25	0.00091
599829.43	4173086.09	0.00094	599853.04	4173083.34	0.00094
599870.62	4173082.80	0.00095	599891.49	4173081.15	0.00095
599908.51	4173084.44	0.00097	599928.83	4173083.89	0.00098
599950.25	4173084.44	0.00099	599970.02	4173084.99	0.00100
599992.54	4173082.80	0.00100	600011.21	4173085.54	0.00102
599773.41	4173107.25	0.00099	599798.41	4173107.25	0.00100
599823.41	4173107.25	0.00102	599848.41	4173107.25	0.00104
599873.41	4173107.25	0.00105	599898.41	4173107.25	0.00107
599923.41	4173107.25	0.00108	599948.41	4173107.25	0.00110
599973.41	4173107.25	0.00111	599773.41	4173132.25	0.00112
599798.41	4173132.25	0.00113	599823.41	4173132.25	0.00115
599873.41	4173132.25	0.00119	599898.41	4173132.25	0.00121
599973.41	4173132.25	0.00126	599773.41	4173157.25	0.00129
599823.41	4173157.25	0.00133	599848.41	4173157.25	0.00136

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000050 ,
A0000051 , A0000052 , A0000053 , A0000054 , A0000055 , A0000056 , A0000057 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
599873.41	4173157.25	0.00137	599898.41	4173157.25	0.00140
599923.41	4173157.25	0.00141	599948.41	4173157.25	0.00143
599973.41	4173157.25	0.00145	599773.41	4173182.25	0.00153
599823.41	4173182.25	0.00158	599848.41	4173182.25	0.00161
599873.41	4173182.25	0.00163	599898.41	4173182.25	0.00165
599923.41	4173182.25	0.00167	599948.41	4173182.25	0.00170
599973.41	4173182.25	0.00171	599773.41	4173207.25	0.00188
599798.41	4173207.25	0.00189	599823.41	4173207.25	0.00193
599873.41	4173207.25	0.00200	599898.41	4173207.25	0.00201
599973.41	4173207.25	0.00209	599773.41	4173232.25	0.00237
599798.41	4173232.25	0.00241	599823.41	4173232.25	0.00245
599848.41	4173232.25	0.00246	599873.41	4173232.25	0.00250
599898.41	4173232.25	0.00252	599923.41	4173232.25	0.00254
599948.41	4173232.25	0.00257	599973.41	4173232.25	0.00260
599764.07	4173028.28	0.00072	599785.39	4173024.40	0.00072
599807.36	4173025.05	0.00074	599847.43	4173028.28	0.00076
599868.75	4173030.22	0.00077	599888.14	4173032.80	0.00079
599904.94	4173030.22	0.00079	599928.84	4173031.51	0.00080
599944.35	4173032.16	0.00081	599963.09	4173030.22	0.00081
600005.74	4173036.03	0.00084	600007.03	4173011.48	0.00077
599957.92	4173006.96	0.00075	599929.49	4172992.74	0.00071
599906.87	4173006.96	0.00073	599886.20	4172999.85	0.00071
599850.01	4173006.31	0.00071	599739.52	4173025.05	0.00070
599703.33	4173028.28	0.00068	599685.24	4173024.40	0.00066
599733.06	4173003.08	0.00065	599696.87	4173000.50	0.00062
599733.70	4173082.56	0.00086	599714.32	4173082.56	0.00084
599692.35	4173076.74	0.00080	599673.61	4173073.51	0.00078
599653.58	4173069.64	0.00075	599637.42	4173063.82	0.00072
599618.68	4173056.07	0.00068	599601.88	4173050.90	0.00065
599581.85	4173041.85	0.00061	599566.34	4173030.87	0.00057
599549.54	4173019.88	0.00053	599534.68	4173008.90	0.00050
599519.17	4172997.26	0.00047	599505.60	4172979.82	0.00043
599459.08	4172988.22	0.00040	599435.17	4172988.86	0.00038
599476.53	4172972.71	0.00040	599488.16	4172959.79	0.00040
597065.00	4173420.00	0.00207	597090.00	4173420.00	0.00209
597115.00	4173420.00	0.00210	597040.00	4173445.00	0.00184
597065.00	4173445.00	0.00185	597090.00	4173445.00	0.00187
597115.00	4173445.00	0.00188	597140.00	4173445.00	0.00188
597015.00	4173470.00	0.00164	597040.00	4173470.00	0.00166
597065.00	4173470.00	0.00166	597115.00	4173470.00	0.00169

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000050 ,
A0000051 , A0000052 , A0000053 , A0000054 , A0000055 , A0000056 , A0000057 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
597140.00	4173470.00	0.00169	597165.00	4173470.00	0.00171
597015.00	4173495.00	0.00150	597040.00	4173495.00	0.00151
597065.00	4173495.00	0.00152	597115.00	4173495.00	0.00154
597140.00	4173495.00	0.00154	597165.00	4173495.00	0.00156
597190.00	4173495.00	0.00156	597015.00	4173520.00	0.00137
597040.00	4173520.00	0.00138	597065.00	4173520.00	0.00139
597115.00	4173520.00	0.00141	597140.00	4173520.00	0.00141
597165.00	4173520.00	0.00142	597190.00	4173520.00	0.00143
597015.00	4173545.00	0.00126	597040.00	4173545.00	0.00127
597065.00	4173545.00	0.00128	597115.00	4173545.00	0.00130
597140.00	4173545.00	0.00130	597165.00	4173545.00	0.00131
597190.00	4173545.00	0.00132	597015.00	4173570.00	0.00117
597040.00	4173570.00	0.00118	597065.00	4173570.00	0.00119
597115.00	4173570.00	0.00121	597140.00	4173570.00	0.00121
597165.00	4173570.00	0.00122	597190.00	4173570.00	0.00123
597015.00	4173595.00	0.00109	597040.00	4173595.00	0.00110
597065.00	4173595.00	0.00111	597115.00	4173595.00	0.00113
597140.00	4173595.00	0.00113	597165.00	4173595.00	0.00114
597190.00	4173595.00	0.00114	597015.00	4173620.00	0.00102
597040.00	4173620.00	0.00103	597065.00	4173620.00	0.00104
597115.00	4173620.00	0.00106	597140.00	4173620.00	0.00106
597165.00	4173620.00	0.00107	597190.00	4173620.00	0.00107
597015.00	4173645.00	0.00095	597040.00	4173645.00	0.00096
597065.00	4173645.00	0.00097	597115.00	4173645.00	0.00099
597140.00	4173645.00	0.00100	597165.00	4173645.00	0.00100
597190.00	4173645.00	0.00101	597015.00	4173670.00	0.00090
597040.00	4173670.00	0.00091	597065.00	4173670.00	0.00092
597115.00	4173670.00	0.00093	597140.00	4173670.00	0.00094
597165.00	4173670.00	0.00094	597190.00	4173670.00	0.00095
597015.00	4173695.00	0.00085	597040.00	4173695.00	0.00086
597065.00	4173695.00	0.00087	597115.00	4173695.00	0.00088
597140.00	4173695.00	0.00088	597165.00	4173695.00	0.00089
597190.00	4173695.00	0.00089	597015.00	4173720.00	0.00081
597040.00	4173720.00	0.00082	597065.00	4173720.00	0.00082
597115.00	4173720.00	0.00083	597140.00	4173720.00	0.00084
597165.00	4173720.00	0.00084	597190.00	4173720.00	0.00085
597232.75	4173605.00	0.00112	597257.75	4173605.00	0.00112
597282.75	4173605.00	0.00113	597307.75	4173605.00	0.00114
597232.75	4173630.00	0.00105	597257.75	4173630.00	0.00105
597282.75	4173630.00	0.00106	597307.75	4173630.00	0.00107

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000050 ,
A0000051 , A0000052 , A0000053 , A0000054 , A0000055 , A0000056 , A0000057 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
597232.75	4173655.00	0.00099	597257.75	4173655.00	0.00099
597282.75	4173655.00	0.00100	597307.75	4173655.00	0.00100
597232.75	4173680.00	0.00093	597257.75	4173680.00	0.00094
597282.75	4173680.00	0.00094	597307.75	4173680.00	0.00095
597232.75	4173705.00	0.00088	597257.75	4173705.00	0.00088
597282.75	4173705.00	0.00089	597307.75	4173705.00	0.00089
597232.75	4173730.00	0.00083	597257.75	4173730.00	0.00084
597282.75	4173730.00	0.00084	597307.75	4173730.00	0.00084
597232.75	4173755.00	0.00079	597257.75	4173755.00	0.00079
597282.75	4173755.00	0.00080	597307.75	4173755.00	0.00080
597160.00	4172930.00	0.00055	597185.00	4172930.00	0.00056
597210.00	4172930.00	0.00056	597235.00	4172930.00	0.00056
597260.00	4172930.00	0.00057	597285.00	4172930.00	0.00057
597310.00	4172930.00	0.00057	597160.00	4172955.00	0.00059
597185.00	4172955.00	0.00060	597210.00	4172955.00	0.00060
597235.00	4172955.00	0.00061	597260.00	4172955.00	0.00061
597285.00	4172955.00	0.00061	597310.00	4172955.00	0.00062
597160.00	4172980.00	0.00064	597185.00	4172980.00	0.00065
597210.00	4172980.00	0.00065	597235.00	4172980.00	0.00065
597260.00	4172980.00	0.00066	597285.00	4172980.00	0.00066
597310.00	4172980.00	0.00067	597160.00	4173005.00	0.00070
597185.00	4173005.00	0.00070	597210.00	4173005.00	0.00071
597235.00	4173005.00	0.00071	597260.00	4173005.00	0.00072
597285.00	4173005.00	0.00072	597310.00	4173005.00	0.00073
597160.00	4173030.00	0.00076	597185.00	4173030.00	0.00077
597210.00	4173030.00	0.00077	597235.00	4173030.00	0.00078
597260.00	4173030.00	0.00079	597285.00	4173030.00	0.00079
597310.00	4173030.00	0.00080	597160.00	4173055.00	0.00085
597185.00	4173055.00	0.00085	597210.00	4173055.00	0.00085
597235.00	4173055.00	0.00086	597260.00	4173055.00	0.00087
597285.00	4173055.00	0.00087	597310.00	4173055.00	0.00088

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00294 AT	(600259.66, 4173235.82, 106.27, 106.27, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00291 AT	(600684.18, 4173229.70, 107.13, 107.13, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00288 AT	(600494.58, 4173229.36, 106.84, 106.84, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00288 AT	(600575.06, 4173229.36, 107.24, 107.24, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00286 AT	(600560.76, 4173228.46, 107.16, 107.16, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00285 AT	(600668.06, 4173227.57, 107.20, 107.20, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00283 AT	(600414.10, 4173228.46, 106.67, 106.67, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00282 AT	(600465.97, 4173227.57, 106.80, 106.80, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00282 AT	(600621.56, 4173226.68, 107.23, 107.23, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00281 AT	(600634.98, 4173226.68, 107.31, 107.31, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN SigA Data

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   17 Warning Message(s)
A Total of   892 Informational Message(s)

A Total of   43824 Hours Were Processed

A Total of   218 Calm Hours Identified

A Total of   674 Missing Hours Identified (1.54 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
MX W403   690   PFLCNV: Turbulence data is being used w/o ADJ_U* option   SigA Data
MX W402   690   PFLCNV: Turbulence data being used with ADJ_U* w/o DFAULT   Option
MX W403   1   PFLCNV: Turbulence data is being used w/o ADJ_U* option   SigA Data
MX W441   14167   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081407
MX W441   14168   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081408
MX W441   14169   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081409
MX W441   14170   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081410
MX W441   14171   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081411
MX W441   14172   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081412
MX W441   14173   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081413
MX W441   14174   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081414
MX W441   14175   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081415
MX W441   14176   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081416
MX W441   14177   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081417
MX W441   14178   METQA: Vert Pot Temp Grad abv ZI set to min .005, KURDAT=   11081418
MX W450   26305   CHKDAT: Record Out of Sequence in Meteorological File at: 14010101
MX W450   26305   CHKDAT: Record Out of Sequence in Meteorological File at: 1 year gap

   ****
   *** AERMOD Finishes Successfully ***
   ****

```
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE Valley Link: Tri-Valley Segment Section 2, 2025 Annual Operation DPM
   MODELOPT CONC FASTAREA
   AVERTIME ANNUAL
   URBANOPT 4656000 Other_Bay_Area
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL Tri-Valley_S2_operation_2025_DPM.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = TRIVAL_S2_D
** DESCRSRC Tri-Valley Segment Section 2, Day Time
** PREFIX
** Length of Side = 9.10
** Ratio = 10
** Vertical Dimension = 1.37
** Emission Rate = 2.8987E-08
** Nodes = 24
** 604983.818, 4173296.610, 128.33, 5.87
** 605298.034, 4173300.513, 127.94, 5.87
** 605592.733, 4173300.513, 126.70, 5.87
** 605940.127, 4173298.562, 127.01, 5.87
** 606162.615, 4173300.513, 127.04, 5.87
** 606232.874, 4173300.513, 127.79, 5.87
** 606260.197, 4173296.610, 127.69, 5.87
** 606318.747, 4173286.852, 128.58, 5.87
** 606476.831, 4173247.819, 131.89, 5.87
** 606595.881, 4173218.544, 133.32, 5.87
** 606648.576, 4173202.931, 133.42, 5.87
** 606750.062, 4173181.463, 133.87, 5.87
** 606812.514, 4173171.704, 133.98, 5.87
** 606884.725, 4173169.753, 134.23, 5.87
** 606953.033, 4173171.704, 134.45, 5.87
** 607056.471, 4173185.366, 135.01, 5.87
** 607296.524, 4173214.641, 138.47, 5.87
** 607565.851, 4173247.819, 142.75, 5.87
** 607653.675, 4173263.432, 144.35, 5.87
** 607846.889, 4173288.803, 147.04, 5.87
** 607891.777, 4173294.658, 147.61, 5.87
** 608006.924, 4173314.175, 147.55, 5.87
** 608100.603, 4173331.740, 140.57, 5.87
** 608229.412, 4173362.966, 146.29, 5.87
** ------------------------------------------------------------------------
   LOCATION A0000001     AREA     604983.875 4173292.060 128.33
   LOCATION A0000002     AREA     605062.429 4173293.036 127.95
   LOCATION A0000003     AREA     605140.983 4173294.012 127.83
   LOCATION A0000004     AREA     605219.537 4173294.988 127.88
   LOCATION A0000005     AREA     605298.034 4173295.963 127.91
   LOCATION A0000006     AREA     605371.709 4173295.963 127.89
   LOCATION A0000007     AREA     605445.384 4173295.963 127.73
   LOCATION A0000008     AREA     605519.058 4173295.963 127.50
   LOCATION A0000009     AREA     605592.708 4173295.963 127.29
   LOCATION A0000010     AREA     605679.556 4173295.475 127.15
   LOCATION A0000011     AREA     605766.404 4173294.987 127.26
   LOCATION A0000012     AREA     605853.253 4173294.499 127.08
   LOCATION A0000013     AREA     605940.167 4173294.012 126.98
   LOCATION A0000014     AREA     606014.329 4173294.662 126.67
   LOCATION A0000015     AREA     606088.492 4173295.313 126.93
   LOCATION A0000016     AREA     606162.615 4173295.963 126.85
   LOCATION A0000017     AREA     606232.231 4173296.009 127.44
   LOCATION A0000018     AREA     606259.449 4173292.122 127.77
   LOCATION A0000019     AREA     606317.656 4173282.434 128.73
   LOCATION A0000020     AREA     606396.698 4173262.918 130.31
   LOCATION A0000021     AREA     606475.744 4173243.400 131.90
   LOCATION A0000022     AREA     606535.269 4173228.763 132.88
   LOCATION A0000023     AREA     606594.589 4173214.181 133.33
   LOCATION A0000024     AREA     606647.634 4173198.479 133.52
   LOCATION A0000025     AREA     606698.377 4173187.745 133.72
   LOCATION A0000026     AREA     606749.359 4173176.967 133.92
   LOCATION A0000027     AREA     606812.391 4173167.156 134.13
   LOCATION A0000028     AREA     606884.855 4173165.204 134.20
   LOCATION A0000029     AREA     606953.629 4173167.193 134.42
   LOCATION A0000030     AREA     607005.348 4173174.024 134.46
   LOCATION A0000031     AREA     607057.021 4173180.849 134.92
   LOCATION A0000032     AREA     607137.039 4173190.608 128.63
   LOCATION A0000033     AREA     607217.057 4173200.366 137.24
   LOCATION A0000034     AREA     607297.080 4173210.125 138.52
   LOCATION A0000035     AREA     607386.856 4173221.184 139.96
   LOCATION A0000036     AREA     607476.632 4173232.243 141.30
   LOCATION A0000037     AREA     607566.648 4173243.339 142.76
```

```
   LOCATION A0000038     AREA     607654.268 4173258.921 144.18
   LOCATION A0000039     AREA     607718.672 4173267.378 145.30
   LOCATION A0000040     AREA     607783.077 4173275.835 146.32
   LOCATION A0000041     AREA     607847.477 4173284.291 147.11
   LOCATION A0000042     AREA     607892.537 4173290.172 147.62
   LOCATION A0000043     AREA     607950.111 4173299.930 147.82
   LOCATION A0000044     AREA     608007.763 4173309.703 147.58
   LOCATION A0000045     AREA     608054.602 4173318.485 147.24
   LOCATION A0000046     AREA     608101.675 4173327.318 140.37
   LOCATION A0000047     AREA     608166.080 4173342.931 146.55
** End of LINE AREA Source ID = TRIVAL_S2_D
** ----------------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = TRIVAL_S2_N
** DESCRSRC Tri-Valley Segment Section 2, Night Time
** PREFIX
** Length of Side = 9.10
** Ratio = 10
** Vertical Dimension = 2.55
** Emission Rate = 2.8987E-08
** Nodes = 24
** 604983.818, 4173296.610, 128.33, 10.98
** 605298.034, 4173300.513, 127.94, 10.98
** 605592.733, 4173300.513, 126.70, 10.98
** 605940.127, 4173298.562, 127.01, 10.98
** 606162.615, 4173300.513, 127.04, 10.98
** 606232.874, 4173300.513, 127.79, 10.98
** 606260.197, 4173296.610, 127.69, 10.98
** 606318.747, 4173286.852, 128.58, 10.98
** 606476.831, 4173247.819, 131.89, 10.98
** 606595.881, 4173218.544, 133.32, 10.98
** 606648.576, 4173202.931, 133.42, 10.98
** 606750.062, 4173181.463, 133.87, 10.98
** 606812.514, 4173171.704, 133.98, 10.98
** 606884.725, 4173169.753, 134.23, 10.98
** 606953.033, 4173171.704, 134.45, 10.98
** 607056.471, 4173185.366, 135.01, 10.98
** 607296.524, 4173214.641, 138.47, 10.98
** 607565.851, 4173247.819, 142.75, 10.98
** 607653.675, 4173263.432, 144.35, 10.98
** 607846.889, 4173288.803, 147.04, 10.98
** 607891.777, 4173294.658, 147.61, 10.98
** 608006.924, 4173314.175, 147.55, 10.98
** 608100.603, 4173331.740, 140.57, 10.98
** 608229.412, 4173362.966, 146.29, 10.98
** ----------------------------------------------------------------------
   LOCATION A0000048     AREA     604983.875 4173292.060 128.33
   LOCATION A0000049     AREA     605062.429 4173293.036 127.95
   LOCATION A0000050     AREA     605140.983 4173294.012 127.83
   LOCATION A0000051     AREA     605219.537 4173294.988 127.88
   LOCATION A0000052     AREA     605298.034 4173295.963 127.91
   LOCATION A0000053     AREA     605371.709 4173295.963 127.89
   LOCATION A0000054     AREA     605445.384 4173295.963 127.73
   LOCATION A0000055     AREA     605519.058 4173295.963 127.50
   LOCATION A0000056     AREA     605592.708 4173295.963 127.29
   LOCATION A0000057     AREA     605679.556 4173295.475 127.15
   LOCATION A0000058     AREA     605766.404 4173294.987 127.26
   LOCATION A0000059     AREA     605853.253 4173294.499 127.08
   LOCATION A0000060     AREA     605940.167 4173294.012 126.98
   LOCATION A0000061     AREA     606014.329 4173294.662 126.67
   LOCATION A0000062     AREA     606088.492 4173295.313 126.93
   LOCATION A0000063     AREA     606162.615 4173295.963 126.85
   LOCATION A0000064     AREA     606232.231 4173296.009 127.44
   LOCATION A0000065     AREA     606259.449 4173292.122 127.77
   LOCATION A0000066     AREA     606317.656 4173282.434 128.73
   LOCATION A0000067     AREA     606396.698 4173262.918 130.31
   LOCATION A0000068     AREA     606475.744 4173243.400 131.90
   LOCATION A0000069     AREA     606535.269 4173228.763 132.88
   LOCATION A0000070     AREA     606594.589 4173214.181 133.33
   LOCATION A0000071     AREA     606647.634 4173198.479 133.52
   LOCATION A0000072     AREA     606698.377 4173187.745 133.72
   LOCATION A0000073     AREA     606749.359 4173176.967 133.92
   LOCATION A0000074     AREA     606812.391 4173167.156 134.13
   LOCATION A0000075     AREA     606884.855 4173165.204 134.20
   LOCATION A0000076     AREA     606953.629 4173167.193 134.42
   LOCATION A0000077     AREA     607005.348 4173174.024 134.46
   LOCATION A0000078     AREA     607057.021 4173180.849 134.92
   LOCATION A0000079     AREA     607137.039 4173190.608 128.63
   LOCATION A0000080     AREA     607217.057 4173200.366 137.24
   LOCATION A0000081     AREA     607297.080 4173210.125 138.52
   LOCATION A0000082     AREA     607386.856 4173221.184 139.96
   LOCATION A0000083     AREA     607476.632 4173232.243 141.30
   LOCATION A0000084     AREA     607566.648 4173243.339 142.76
   LOCATION A0000085     AREA     607654.268 4173258.921 144.18
   LOCATION A0000086     AREA     607718.672 4173267.378 145.30
   LOCATION A0000087     AREA     607783.077 4173275.835 146.32
   LOCATION A0000088     AREA     607847.477 4173284.291 147.11
   LOCATION A0000089     AREA     607892.537 4173290.172 147.62
   LOCATION A0000090     AREA     607950.111 4173299.930 147.82
   LOCATION A0000091     AREA     608007.763 4173309.703 147.58
   LOCATION A0000092     AREA     608054.602 4173318.485 147.24
   LOCATION A0000093     AREA     608101.675 4173327.318 140.37
   LOCATION A0000094     AREA     608166.080 4173342.931 146.55
** End of LINE AREA Source ID = TRIVAL_S2_N
** Source Parameters **
```

```
** LINE AREA Source ID = TRIVAL_S2_D
   SRCPARAM A0000001     2.8987E-08     5.870    78.560     9.100    -0.712     1.370
   SRCPARAM A0000002     2.8987E-08     5.870    78.560     9.100    -0.712     1.370
   SRCPARAM A0000003     2.8987E-08     5.870    78.560     9.100    -0.712     1.370
   SRCPARAM A0000004     2.8987E-08     5.870    78.560     9.100    -0.712     1.370
   SRCPARAM A0000005     2.8987E-08     5.870    73.675     9.100     0.000     1.370
   SRCPARAM A0000006     2.8987E-08     5.870    73.675     9.100     0.000     1.370
   SRCPARAM A0000007     2.8987E-08     5.870    73.675     9.100     0.000     1.370
   SRCPARAM A0000008     2.8987E-08     5.870    73.675     9.100     0.000     1.370
   SRCPARAM A0000009     2.8987E-08     5.870    86.850     9.100     0.322     1.370
   SRCPARAM A0000010     2.8987E-08     5.870    86.850     9.100     0.322     1.370
   SRCPARAM A0000011     2.8987E-08     5.870    86.850     9.100     0.322     1.370
   SRCPARAM A0000012     2.8987E-08     5.870    86.850     9.100     0.322     1.370
   SRCPARAM A0000013     2.8987E-08     5.870    74.166     9.100    -0.503     1.370
   SRCPARAM A0000014     2.8987E-08     5.870    74.166     9.100    -0.503     1.370
   SRCPARAM A0000015     2.8987E-08     5.870    74.166     9.100    -0.503     1.370
   SRCPARAM A0000016     2.8987E-08     5.870    70.259     9.100     0.000     1.370
   SRCPARAM A0000017     2.8987E-08     5.870    27.600     9.100     8.130     1.370
   SRCPARAM A0000018     2.8987E-08     5.870    59.357     9.100     9.462     1.370
   SRCPARAM A0000019     2.8987E-08     5.870    81.416     9.100    13.870     1.370
   SRCPARAM A0000020     2.8987E-08     5.870    81.416     9.100    13.870     1.370
   SRCPARAM A0000021     2.8987E-08     5.870    61.299     9.100    13.815     1.370
   SRCPARAM A0000022     2.8987E-08     5.870    61.299     9.100    13.815     1.370
   SRCPARAM A0000023     2.8987E-08     5.870    54.959     9.100    16.504     1.370
   SRCPARAM A0000024     2.8987E-08     5.870    51.866     9.100    11.944     1.370
   SRCPARAM A0000025     2.8987E-08     5.870    51.866     9.100    11.944     1.370
   SRCPARAM A0000026     2.8987E-08     5.870    63.211     9.100     8.881     1.370
   SRCPARAM A0000027     2.8987E-08     5.870    72.237     9.100     1.548     1.370
   SRCPARAM A0000028     2.8987E-08     5.870    68.336     9.100    -1.637     1.370
   SRCPARAM A0000029     2.8987E-08     5.870    52.168     9.100    -7.524     1.370
   SRCPARAM A0000030     2.8987E-08     5.870    52.168     9.100    -7.524     1.370
   SRCPARAM A0000031     2.8987E-08     5.870    80.610     9.100    -6.953     1.370
   SRCPARAM A0000032     2.8987E-08     5.870    80.610     9.100    -6.953     1.370
   SRCPARAM A0000033     2.8987E-08     5.870    80.610     9.100    -6.953     1.370
   SRCPARAM A0000034     2.8987E-08     5.870    90.455     9.100    -7.023     1.370
   SRCPARAM A0000035     2.8987E-08     5.870    90.455     9.100    -7.023     1.370
   SRCPARAM A0000036     2.8987E-08     5.870    90.455     9.100    -7.023     1.370
   SRCPARAM A0000037     2.8987E-08     5.870    89.201     9.100   -10.081     1.370
   SRCPARAM A0000038     2.8987E-08     5.870    64.957     9.100    -7.481     1.370
   SRCPARAM A0000039     2.8987E-08     5.870    64.957     9.100    -7.481     1.370
   SRCPARAM A0000040     2.8987E-08     5.870    64.957     9.100    -7.481     1.370
   SRCPARAM A0000041     2.8987E-08     5.870    45.268     9.100    -7.431     1.370
   SRCPARAM A0000042     2.8987E-08     5.870    58.395     9.100    -9.620     1.370
   SRCPARAM A0000043     2.8987E-08     5.870    58.395     9.100    -9.620     1.370
   SRCPARAM A0000044     2.8987E-08     5.870    47.656     9.100   -10.620     1.370
   SRCPARAM A0000045     2.8987E-08     5.870    47.656     9.100   -10.620     1.370
   SRCPARAM A0000046     2.8987E-08     5.870    66.270     9.100   -13.627     1.370
   SRCPARAM A0000047     2.8987E-08     5.870    66.270     9.100   -13.627     1.370
** ------------------------------------------------------------------
** LINE AREA Source ID = TRIVAL_S2_N
   SRCPARAM A0000048     2.8987E-08    10.980    78.560     9.100    -0.712     2.550
   SRCPARAM A0000049     2.8987E-08    10.980    78.560     9.100    -0.712     2.550
   SRCPARAM A0000050     2.8987E-08    10.980    78.560     9.100    -0.712     2.550
   SRCPARAM A0000051     2.8987E-08    10.980    78.560     9.100    -0.712     2.550
   SRCPARAM A0000052     2.8987E-08    10.980    73.675     9.100     0.000     2.550
   SRCPARAM A0000053     2.8987E-08    10.980    73.675     9.100     0.000     2.550
   SRCPARAM A0000054     2.8987E-08    10.980    73.675     9.100     0.000     2.550
   SRCPARAM A0000055     2.8987E-08    10.980    73.675     9.100     0.000     2.550
   SRCPARAM A0000056     2.8987E-08    10.980    86.850     9.100     0.322     2.550
   SRCPARAM A0000057     2.8987E-08    10.980    86.850     9.100     0.322     2.550
   SRCPARAM A0000058     2.8987E-08    10.980    86.850     9.100     0.322     2.550
   SRCPARAM A0000059     2.8987E-08    10.980    86.850     9.100     0.322     2.550
   SRCPARAM A0000060     2.8987E-08    10.980    74.166     9.100    -0.503     2.550
   SRCPARAM A0000061     2.8987E-08    10.980    74.166     9.100    -0.503     2.550
   SRCPARAM A0000062     2.8987E-08    10.980    74.166     9.100    -0.503     2.550
   SRCPARAM A0000063     2.8987E-08    10.980    70.259     9.100     0.000     2.550
   SRCPARAM A0000064     2.8987E-08    10.980    27.600     9.100     8.130     2.550
   SRCPARAM A0000065     2.8987E-08    10.980    59.357     9.100     9.462     2.550
   SRCPARAM A0000066     2.8987E-08    10.980    81.416     9.100    13.870     2.550
   SRCPARAM A0000067     2.8987E-08    10.980    81.416     9.100    13.870     2.550
   SRCPARAM A0000068     2.8987E-08    10.980    61.299     9.100    13.815     2.550
   SRCPARAM A0000069     2.8987E-08    10.980    61.299     9.100    13.815     2.550
   SRCPARAM A0000070     2.8987E-08    10.980    54.959     9.100    16.504     2.550
   SRCPARAM A0000071     2.8987E-08    10.980    51.866     9.100    11.944     2.550
   SRCPARAM A0000072     2.8987E-08    10.980    51.866     9.100    11.944     2.550
   SRCPARAM A0000073     2.8987E-08    10.980    63.211     9.100     8.881     2.550
   SRCPARAM A0000074     2.8987E-08    10.980    72.237     9.100     1.548     2.550
   SRCPARAM A0000075     2.8987E-08    10.980    68.336     9.100    -1.637     2.550
   SRCPARAM A0000076     2.8987E-08    10.980    52.168     9.100    -7.524     2.550
   SRCPARAM A0000077     2.8987E-08    10.980    52.168     9.100    -7.524     2.550
   SRCPARAM A0000078     2.8987E-08    10.980    80.610     9.100    -6.953     2.550
   SRCPARAM A0000079     2.8987E-08    10.980    80.610     9.100    -6.953     2.550
   SRCPARAM A0000080     2.8987E-08    10.980    80.610     9.100    -6.953     2.550
   SRCPARAM A0000081     2.8987E-08    10.980    90.455     9.100    -7.023     2.550
   SRCPARAM A0000082     2.8987E-08    10.980    90.455     9.100    -7.023     2.550
   SRCPARAM A0000083     2.8987E-08    10.980    90.455     9.100    -7.023     2.550
   SRCPARAM A0000084     2.8987E-08    10.980    89.201     9.100   -10.081     2.550
   SRCPARAM A0000085     2.8987E-08    10.980    64.957     9.100    -7.481     2.550
   SRCPARAM A0000086     2.8987E-08    10.980    64.957     9.100    -7.481     2.550
   SRCPARAM A0000087     2.8987E-08    10.980    64.957     9.100    -7.481     2.550
   SRCPARAM A0000088     2.8987E-08    10.980    45.268     9.100    -7.431     2.550
   SRCPARAM A0000089     2.8987E-08    10.980    58.395     9.100    -9.620     2.550
   SRCPARAM A0000090     2.8987E-08    10.980    58.395     9.100    -9.620     2.550
   SRCPARAM A0000091     2.8987E-08    10.980    47.656     9.100   -10.620     2.550
   SRCPARAM A0000092     2.8987E-08    10.980    47.656     9.100   -10.620     2.550
```

```
   SRCPARAM A0000093     2.8987E-08    10.980    66.270     9.100   -13.627     2.550
   SRCPARAM A0000094     2.8987E-08    10.980    66.270     9.100   -13.627     2.550
** ------------------------------------------------------------------------
   URBANSRC ALL

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Day"
   EMISFACT A0000001     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000001     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000001     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000001     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000002     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000002     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000002     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000002     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000003     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000003     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000003     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000003     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000004     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000004     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000004     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000004     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000005     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000005     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000005     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000005     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000006     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000006     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000006     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000006     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000007     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000007     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000007     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000007     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000008     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000008     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000008     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000008     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000009     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000009     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000009     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000009     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000010     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000010     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000010     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000010     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000011     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000011     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000011     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000011     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000012     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000012     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000013     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000013     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000014     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000014     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000015     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000015     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000016     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000016     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000017     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000017     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000018     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000018     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000019     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000019     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000020     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000020     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000021     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000022     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT A0000023     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000023     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000023     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000023     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000024     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000024     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000024     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000024     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000025     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000025     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000025     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000025     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000026     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000026     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000026     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000026     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000027     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000027     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000027     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000027     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000028     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000028     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000028     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000028     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000029     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000029     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000029     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000029     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000030     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000030     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000030     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000030     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000031     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000031     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000031     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000031     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000032     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000032     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000032     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000032     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000033     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000033     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000033     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000033     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000034     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000034     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000034     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000034     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000035     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000035     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000035     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000035     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000036     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000036     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000036     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000036     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000037     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000037     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000037     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000037     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000038     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000038     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000038     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000038     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000039     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000039     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000039     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000039     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000040     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000040     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000040     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000040     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000041     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000041     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000041     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000041     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000042     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000042     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000042     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000042     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000043     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000043     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000043     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000043     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000044     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000044     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000044     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000044     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000045     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000045     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000045     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000045     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000046     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000046     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000046     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
```

```
   EMISFACT A0000046     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000047     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000047     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Night"
   EMISFACT A0000048     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000048     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000048     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000049     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000049     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000050     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000050     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000051     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000051     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000052     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000052     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000053     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000053     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000054     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000054     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000055     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000055     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000056     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000056     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000057     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000057     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000058     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000058     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000059     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000059     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000060     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000060     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000061     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000061     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000062     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000062     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000063     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000063     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000064     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000064     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000065     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000065     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000066     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000066     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000067     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000067     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000068     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000068     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000069     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
```

```
EMISFACT A0000069     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000070     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000070     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000070     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000070     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000071     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000071     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000071     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000071     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000072     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000072     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000072     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000072     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000073     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000073     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000073     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000073     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000074     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000074     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000074     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000074     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000075     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000075     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000075     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000075     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000076     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000076     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000076     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000076     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000077     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000077     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000077     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000077     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000078     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000078     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000078     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000078     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000079     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000079     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000079     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000079     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000080     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000080     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000080     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000080     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000081     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000081     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000081     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000081     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000082     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000082     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000082     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000082     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000083     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000083     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000083     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000083     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000084     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000084     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000084     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000084     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000085     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000085     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000085     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000085     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000086     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000086     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000086     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000086     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000087     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000087     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000087     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000087     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000088     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000088     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000088     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000088     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000089     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000089     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000089     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000089     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000090     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000090     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000090     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000090     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000091     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000091     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000091     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000091     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000092     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000092     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000092     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000092     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000093     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000093     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000093     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000093     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000094     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000094     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000094     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000094     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED Tri-Valley_S2_operation_2025_DPM.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE ..\..\..\..\metdata\AQMD\724927_Livermore\724927.SFC
   PROFFILE ..\..\..\..\metdata\AQMD\724927_Livermore\724927.PFL
   SURFDATA 23285 2009
   UAIRDATA 23230 2009 OAKLAND/WSO_AP
   PROFBASE 137.2 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   PLOTFILE ANNUAL ALL TRI-VALLEY_S2_OPERATION_2025_DPM.AD\Tri-Valley_S2_operation_2025_annual_DPM.PLT 31
   SUMMFILE Tri-Valley_S2_operation_2025_DPM.sum
OU FINISHED

 ***********************************
 *** SETUP Finishes Successfully ***
 ***********************************
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

**Model Is Setup For Calculation of Average CONCentration Values.

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for   94 Source(s),
  for Total of   1 Urban Area(s):
  Urban Population =   4656000.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Full Conversion Assumed for NO2.
        6. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:
        FASTAREA - Use hybrid approach to optimize AREA sources;
                   also applies to LINE sources (formerly TOXICS option)
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 94 Source(s);   1 Source Group(s); and   147 Receptor(s)

               with: 0 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 0 VOLUME source(s)
                and: 94 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with   0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   137.20 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   3.6 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: Tri-Valley_S2_operation_2025_DPM.err
**File for Summary of Results: Tri-Valley_S2_operation_2025_DPM.sum

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000001	0	0.28987E-07	604983.9	4173292.1	128.3	5.87	78.56	9.10	-0.71	1.37	YES	HROFDY
A0000002	0	0.28987E-07	605062.4	4173293.0	128.0	5.87	78.56	9.10	-0.71	1.37	YES	HROFDY
A0000003	0	0.28987E-07	605141.0	4173294.0	127.8	5.87	78.56	9.10	-0.71	1.37	YES	HROFDY
A0000004	0	0.28987E-07	605219.5	4173295.0	127.9	5.87	78.56	9.10	-0.71	1.37	YES	HROFDY
A0000005	0	0.28987E-07	605298.0	4173296.0	127.9	5.87	73.67	9.10	0.00	1.37	YES	HROFDY
A0000006	0	0.28987E-07	605371.7	4173296.0	127.9	5.87	73.67	9.10	0.00	1.37	YES	HROFDY
A0000007	0	0.28987E-07	605445.4	4173296.0	127.7	5.87	73.67	9.10	0.00	1.37	YES	HROFDY
A0000008	0	0.28987E-07	605519.1	4173296.0	127.5	5.87	73.67	9.10	0.00	1.37	YES	HROFDY
A0000009	0	0.28987E-07	605592.7	4173296.0	127.3	5.87	86.85	9.10	0.32	1.37	YES	HROFDY
A0000010	0	0.28987E-07	605679.6	4173295.5	127.1	5.87	86.85	9.10	0.32	1.37	YES	HROFDY
A0000011	0	0.28987E-07	605766.4	4173295.0	127.3	5.87	86.85	9.10	0.32	1.37	YES	HROFDY
A0000012	0	0.28987E-07	605853.3	4173294.5	127.1	5.87	86.85	9.10	0.32	1.37	YES	HROFDY
A0000013	0	0.28987E-07	605940.2	4173294.0	127.0	5.87	74.17	9.10	-0.50	1.37	YES	HROFDY
A0000014	0	0.28987E-07	606014.3	4173294.7	126.7	5.87	74.17	9.10	-0.50	1.37	YES	HROFDY
A0000015	0	0.28987E-07	606088.5	4173295.3	126.9	5.87	74.17	9.10	-0.50	1.37	YES	HROFDY
A0000016	0	0.28987E-07	606162.6	4173296.0	126.8	5.87	70.26	9.10	0.00	1.37	YES	HROFDY
A0000017	0	0.28987E-07	606232.2	4173296.0	127.4	5.87	27.60	9.10	8.13	1.37	YES	HROFDY
A0000018	0	0.28987E-07	606259.4	4173292.1	127.8	5.87	59.36	9.10	9.46	1.37	YES	HROFDY
A0000019	0	0.28987E-07	606317.7	4173282.4	128.7	5.87	81.42	9.10	13.87	1.37	YES	HROFDY
A0000020	0	0.28987E-07	606396.7	4173262.9	130.3	5.87	81.42	9.10	13.87	1.37	YES	HROFDY
A0000021	0	0.28987E-07	606475.7	4173243.4	131.9	5.87	61.30	9.10	13.82	1.37	YES	HROFDY
A0000022	0	0.28987E-07	606535.3	4173228.8	132.9	5.87	61.30	9.10	13.82	1.37	YES	HROFDY
A0000023	0	0.28987E-07	606594.6	4173214.2	133.3	5.87	54.96	9.10	16.50	1.37	YES	HROFDY
A0000024	0	0.28987E-07	606647.6	4173198.5	133.5	5.87	51.87	9.10	11.94	1.37	YES	HROFDY
A0000025	0	0.28987E-07	606698.4	4173187.7	133.7	5.87	51.87	9.10	11.94	1.37	YES	HROFDY
A0000026	0	0.28987E-07	606749.4	4173177.0	133.9	5.87	63.21	9.10	8.88	1.37	YES	HROFDY
A0000027	0	0.28987E-07	606812.4	4173167.2	134.1	5.87	72.24	9.10	1.55	1.37	YES	HROFDY
A0000028	0	0.28987E-07	606884.9	4173165.2	134.2	5.87	68.34	9.10	-1.64	1.37	YES	HROFDY
A0000029	0	0.28987E-07	606953.6	4173167.2	134.4	5.87	52.17	9.10	-7.52	1.37	YES	HROFDY
A0000030	0	0.28987E-07	607005.3	4173174.0	134.5	5.87	52.17	9.10	-7.52	1.37	YES	HROFDY
A0000031	0	0.28987E-07	607057.0	4173180.8	134.9	5.87	80.61	9.10	-6.95	1.37	YES	HROFDY
A0000032	0	0.28987E-07	607137.0	4173190.6	128.6	5.87	80.61	9.10	-6.95	1.37	YES	HROFDY
A0000033	0	0.28987E-07	607217.1	4173200.4	137.2	5.87	80.61	9.10	-6.95	1.37	YES	HROFDY
A0000034	0	0.28987E-07	607297.1	4173210.1	138.5	5.87	90.45	9.10	-7.02	1.37	YES	HROFDY
A0000035	0	0.28987E-07	607386.9	4173221.2	140.0	5.87	90.45	9.10	-7.02	1.37	YES	HROFDY
A0000036	0	0.28987E-07	607476.6	4173232.2	141.3	5.87	90.45	9.10	-7.02	1.37	YES	HROFDY
A0000037	0	0.28987E-07	607566.6	4173243.3	142.8	5.87	89.20	9.10	-10.08	1.37	YES	HROFDY
A0000038	0	0.28987E-07	607654.3	4173258.9	144.2	5.87	64.96	9.10	-7.48	1.37	YES	HROFDY
A0000039	0	0.28987E-07	607718.7	4173267.4	145.3	5.87	64.96	9.10	-7.48	1.37	YES	HROFDY
A0000040	0	0.28987E-07	607783.1	4173275.8	146.3	5.87	64.96	9.10	-7.48	1.37	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000041	0	0.28987E-07	607847.5	4173284.3	147.1	5.87	45.27	9.10	-7.43	1.37	YES	HROFDY
A0000042	0	0.28987E-07	607892.5	4173290.2	147.6	5.87	58.40	9.10	-9.62	1.37	YES	HROFDY
A0000043	0	0.28987E-07	607950.1	4173299.9	147.8	5.87	58.40	9.10	-9.62	1.37	YES	HROFDY
A0000044	0	0.28987E-07	608007.8	4173309.7	147.6	5.87	47.66	9.10	-10.62	1.37	YES	HROFDY
A0000045	0	0.28987E-07	608054.6	4173318.5	147.2	5.87	47.66	9.10	-10.62	1.37	YES	HROFDY
A0000046	0	0.28987E-07	608101.7	4173327.3	140.4	5.87	66.27	9.10	-13.63	1.37	YES	HROFDY
A0000047	0	0.28987E-07	608166.1	4173342.9	146.6	5.87	66.27	9.10	-13.63	1.37	YES	HROFDY
A0000048	0	0.28987E-07	604983.9	4173292.1	128.3	10.98	78.56	9.10	-0.71	2.55	YES	HROFDY
A0000049	0	0.28987E-07	605062.4	4173293.0	128.0	10.98	78.56	9.10	-0.71	2.55	YES	HROFDY
A0000050	0	0.28987E-07	605141.0	4173294.0	127.8	10.98	78.56	9.10	-0.71	2.55	YES	HROFDY
A0000051	0	0.28987E-07	605219.5	4173295.0	127.9	10.98	78.56	9.10	-0.71	2.55	YES	HROFDY
A0000052	0	0.28987E-07	605298.0	4173296.0	127.9	10.98	73.67	9.10	0.00	2.55	YES	HROFDY
A0000053	0	0.28987E-07	605371.7	4173296.0	127.9	10.98	73.67	9.10	0.00	2.55	YES	HROFDY
A0000054	0	0.28987E-07	605445.4	4173296.0	127.7	10.98	73.67	9.10	0.00	2.55	YES	HROFDY
A0000055	0	0.28987E-07	605519.1	4173296.0	127.5	10.98	73.67	9.10	0.00	2.55	YES	HROFDY
A0000056	0	0.28987E-07	605592.7	4173296.0	127.3	10.98	86.85	9.10	0.32	2.55	YES	HROFDY
A0000057	0	0.28987E-07	605679.6	4173295.5	127.1	10.98	86.85	9.10	0.32	2.55	YES	HROFDY
A0000058	0	0.28987E-07	605766.4	4173295.0	127.3	10.98	86.85	9.10	0.32	2.55	YES	HROFDY
A0000059	0	0.28987E-07	605853.3	4173294.5	127.1	10.98	86.85	9.10	0.32	2.55	YES	HROFDY
A0000060	0	0.28987E-07	605940.2	4173294.0	127.0	10.98	74.17	9.10	-0.50	2.55	YES	HROFDY
A0000061	0	0.28987E-07	606014.3	4173294.7	126.7	10.98	74.17	9.10	-0.50	2.55	YES	HROFDY
A0000062	0	0.28987E-07	606088.5	4173295.3	126.9	10.98	74.17	9.10	-0.50	2.55	YES	HROFDY
A0000063	0	0.28987E-07	606162.6	4173296.0	126.8	10.98	70.26	9.10	0.00	2.55	YES	HROFDY
A0000064	0	0.28987E-07	606232.2	4173296.0	127.4	10.98	27.60	9.10	8.13	2.55	YES	HROFDY
A0000065	0	0.28987E-07	606259.4	4173292.1	127.8	10.98	59.36	9.10	9.46	2.55	YES	HROFDY
A0000066	0	0.28987E-07	606317.7	4173282.4	128.7	10.98	81.42	9.10	13.87	2.55	YES	HROFDY
A0000067	0	0.28987E-07	606396.7	4173262.9	130.3	10.98	81.42	9.10	13.87	2.55	YES	HROFDY
A0000068	0	0.28987E-07	606475.7	4173243.4	131.9	10.98	61.30	9.10	13.82	2.55	YES	HROFDY
A0000069	0	0.28987E-07	606535.3	4173228.8	132.9	10.98	61.30	9.10	13.82	2.55	YES	HROFDY
A0000070	0	0.28987E-07	606594.6	4173214.2	133.3	10.98	54.96	9.10	16.50	2.55	YES	HROFDY
A0000071	0	0.28987E-07	606647.6	4173198.5	133.5	10.98	51.87	9.10	11.94	2.55	YES	HROFDY
A0000072	0	0.28987E-07	606698.4	4173187.7	133.7	10.98	51.87	9.10	11.94	2.55	YES	HROFDY
A0000073	0	0.28987E-07	606749.4	4173177.0	133.9	10.98	63.21	9.10	8.88	2.55	YES	HROFDY
A0000074	0	0.28987E-07	606812.4	4173167.2	134.1	10.98	72.24	9.10	1.55	2.55	YES	HROFDY
A0000075	0	0.28987E-07	606884.9	4173165.2	134.2	10.98	68.34	9.10	-1.64	2.55	YES	HROFDY
A0000076	0	0.28987E-07	606953.6	4173167.2	134.4	10.98	52.17	9.10	-7.52	2.55	YES	HROFDY
A0000077	0	0.28987E-07	607005.3	4173174.0	134.5	10.98	52.17	9.10	-7.52	2.55	YES	HROFDY
A0000078	0	0.28987E-07	607057.0	4173180.8	134.9	10.98	80.61	9.10	-6.95	2.55	YES	HROFDY
A0000079	0	0.28987E-07	607137.0	4173190.6	128.6	10.98	80.61	9.10	-6.95	2.55	YES	HROFDY
A0000080	0	0.28987E-07	607217.1	4173200.4	137.2	10.98	80.61	9.10	-6.95	2.55	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000081	0	0.28987E-07	607297.1	4173210.1	138.5	10.98	90.45	9.10	-7.02	2.55	YES	HROFDY
A0000082	0	0.28987E-07	607386.9	4173221.2	140.0	10.98	90.45	9.10	-7.02	2.55	YES	HROFDY
A0000083	0	0.28987E-07	607476.6	4173232.2	141.3	10.98	90.45	9.10	-7.02	2.55	YES	HROFDY
A0000084	0	0.28987E-07	607566.6	4173243.3	142.8	10.98	89.20	9.10	-10.08	2.55	YES	HROFDY
A0000085	0	0.28987E-07	607654.3	4173258.9	144.2	10.98	64.96	9.10	-7.48	2.55	YES	HROFDY
A0000086	0	0.28987E-07	607718.7	4173267.4	145.3	10.98	64.96	9.10	-7.48	2.55	YES	HROFDY
A0000087	0	0.28987E-07	607783.1	4173275.8	146.3	10.98	64.96	9.10	-7.48	2.55	YES	HROFDY
A0000088	0	0.28987E-07	607847.5	4173284.3	147.1	10.98	45.27	9.10	-7.43	2.55	YES	HROFDY
A0000089	0	0.28987E-07	607892.5	4173290.2	147.6	10.98	58.40	9.10	-9.62	2.55	YES	HROFDY
A0000090	0	0.28987E-07	607950.1	4173299.9	147.8	10.98	58.40	9.10	-9.62	2.55	YES	HROFDY
A0000091	0	0.28987E-07	608007.8	4173309.7	147.6	10.98	47.66	9.10	-10.62	2.55	YES	HROFDY
A0000092	0	0.28987E-07	608054.6	4173318.5	147.2	10.98	47.66	9.10	-10.62	2.55	YES	HROFDY
A0000093	0	0.28987E-07	608101.7	4173327.3	140.4	10.98	66.27	9.10	-13.63	2.55	YES	HROFDY
A0000094	0	0.28987E-07	608166.1	4173342.9	146.6	10.98	66.27	9.10	-13.63	2.55	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	A0000001 , A0000002 , A0000003 , A0000004 , A0000005 , A0000006 , A0000007 , A0000008 ,
	A0000009 , A0000010 , A0000011 , A0000012 , A0000013 , A0000014 , A0000015 , A0000016 ,
	A0000017 , A0000018 , A0000019 , A0000020 , A0000021 , A0000022 , A0000023 , A0000024 ,
	A0000025 , A0000026 , A0000027 , A0000028 , A0000029 , A0000030 , A0000031 , A0000032 ,
	A0000033 , A0000034 , A0000035 , A0000036 , A0000037 , A0000038 , A0000039 , A0000040 ,
	A0000041 , A0000042 , A0000043 , A0000044 , A0000045 , A0000046 , A0000047 , A0000048 ,
	A0000049 , A0000050 , A0000051 , A0000052 , A0000053 , A0000054 , A0000055 , A0000056 ,
	A0000057 , A0000058 , A0000059 , A0000060 , A0000061 , A0000062 , A0000063 , A0000064 ,
	A0000065 , A0000066 , A0000067 , A0000068 , A0000069 , A0000070 , A0000071 , A0000072 ,
	A0000073 , A0000074 , A0000075 , A0000076 , A0000077 , A0000078 , A0000079 , A0000080 ,
	A0000081 , A0000082 , A0000083 , A0000084 , A0000085 , A0000086 , A0000087 , A0000088 ,
	A0000089 , A0000090 , A0000091 , A0000092 , A0000093 , A0000094 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	4656000.	A0000001 , A0000002 , A0000003 , A0000004 , A0000005 , A0000006 , A0000007 , A0000008 ,
		A0000009 , A0000010 , A0000011 , A0000012 , A0000013 , A0000014 , A0000015 , A0000016 ,
		A0000017 , A0000018 , A0000019 , A0000020 , A0000021 , A0000022 , A0000023 , A0000024 ,
		A0000025 , A0000026 , A0000027 , A0000028 , A0000029 , A0000030 , A0000031 , A0000032 ,
		A0000033 , A0000034 , A0000035 , A0000036 , A0000037 , A0000038 , A0000039 , A0000040 ,
		A0000041 , A0000042 , A0000043 , A0000044 , A0000045 , A0000046 , A0000047 , A0000048 ,
		A0000049 , A0000050 , A0000051 , A0000052 , A0000053 , A0000054 , A0000055 , A0000056 ,
		A0000057 , A0000058 , A0000059 , A0000060 , A0000061 , A0000062 , A0000063 , A0000064 ,
		A0000065 , A0000066 , A0000067 , A0000068 , A0000069 , A0000070 , A0000071 , A0000072 ,
		A0000073 , A0000074 , A0000075 , A0000076 , A0000077 , A0000078 , A0000079 , A0000080 ,
		A0000081 , A0000082 , A0000083 , A0000084 , A0000085 , A0000086 , A0000087 , A0000088 ,
		A0000089 , A0000090 , A0000091 , A0000092 , A0000093 , A0000094 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000001 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000002 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000003 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000004 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000005 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000006 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000007 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000008 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000009 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000010 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000011 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000012 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000013 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000014 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000015 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000016 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000017 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000018 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000019 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000020 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000021 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000022 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000023 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000024 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000025 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SOURCE ID = A0000026 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = A0000027 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = A0000028 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = A0000029 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = A0000030 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000031 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000032 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000033 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000034 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000035 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000036 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000037 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000038 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000039 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000040 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000041 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000042 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000043 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000044 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000045 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000046 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000047 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000048 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000049 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000050 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000051 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000052 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000053 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000054 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000055 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000056 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000057 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000058 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000059 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000060 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000061 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000062 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000063 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000064 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000065 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000066 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000067 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000068 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000069 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000070 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000071 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000072 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000073 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000074 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000075 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000076 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000077 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000078 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000079 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000080 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000081 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000082 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000083 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000084 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000085 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000086 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000087 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000088 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000089 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000090 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000091 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000092 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000093 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000094 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	606326.4,	4172978.1,	130.6,	130.6,	0.0);	(606326.4,	4172978.1,	130.6,	130.6,	0.0);
(	606351.4,	4172978.1,	131.2,	131.2,	0.0);	(606376.4,	4172978.1,	131.5,	131.5,	0.0);
(	606401.4,	4172978.1,	131.1,	131.1,	0.0);	(606426.4,	4172978.1,	131.2,	131.2,	0.0);
(	606451.4,	4172978.1,	131.3,	131.3,	0.0);	(606476.4,	4172978.1,	131.3,	131.3,	0.0);
(	606501.4,	4172978.1,	130.9,	130.9,	0.0);	(606526.4,	4172978.1,	131.3,	131.3,	0.0);
(	606551.4,	4172978.1,	131.4,	131.4,	0.0);	(606576.4,	4172978.1,	131.8,	131.8,	0.0);
(	606601.4,	4172978.1,	131.9,	131.9,	0.0);	(606651.4,	4172978.1,	132.1,	132.1,	0.0);
(	606676.4,	4172978.1,	132.3,	132.3,	0.0);	(606701.4,	4172978.1,	132.6,	132.6,	0.0);
(	606726.4,	4172978.1,	133.0,	133.0,	0.0);	(606751.4,	4172978.1,	133.4,	133.4,	0.0);
(	606776.4,	4172978.1,	133.6,	133.6,	0.0);	(606801.4,	4172978.1,	134.0,	134.0,	0.0);
(	606826.4,	4172978.1,	134.3,	134.3,	0.0);	(606326.4,	4173003.1,	130.5,	130.5,	0.0);
(	606351.4,	4173003.1,	131.1,	131.1,	0.0);	(606376.4,	4173003.1,	131.5,	131.5,	0.0);
(	606401.4,	4173003.1,	131.0,	131.0,	0.0);	(606426.4,	4173003.1,	131.2,	131.2,	0.0);
(	606451.4,	4173003.1,	131.1,	131.1,	0.0);	(606476.4,	4173003.1,	131.3,	131.3,	0.0);
(	606501.4,	4173003.1,	131.3,	131.3,	0.0);	(606526.4,	4173003.1,	131.2,	131.2,	0.0);
(	606576.4,	4173003.1,	131.5,	131.5,	0.0);	(606601.4,	4173003.1,	131.8,	131.8,	0.0);
(	606651.4,	4173003.1,	132.2,	132.2,	0.0);	(606676.4,	4173003.1,	132.3,	132.3,	0.0);
(	606701.4,	4173003.1,	132.7,	132.7,	0.0);	(606726.4,	4173003.1,	133.1,	133.1,	0.0);
(	606751.4,	4173003.1,	133.5,	133.5,	0.0);	(606776.4,	4173003.1,	133.7,	133.7,	0.0);
(	606801.4,	4173003.1,	134.2,	134.2,	0.0);	(606326.4,	4173028.1,	130.4,	130.4,	0.0);
(	606351.4,	4173028.1,	130.9,	130.9,	0.0);	(606376.4,	4173028.1,	131.3,	131.3,	0.0);
(	606401.4,	4173028.1,	131.0,	131.0,	0.0);	(606426.4,	4173028.1,	131.5,	131.5,	0.0);
(	606451.4,	4173028.1,	131.5,	131.5,	0.0);	(606476.4,	4173028.1,	131.6,	131.6,	0.0);
(	606501.4,	4173028.1,	131.6,	131.6,	0.0);	(606526.4,	4173028.1,	131.6,	131.6,	0.0);
(	606576.4,	4173028.1,	131.6,	131.6,	0.0);	(606601.4,	4173028.1,	131.8,	131.8,	0.0);
(	606651.4,	4173028.1,	132.4,	132.4,	0.0);	(606676.4,	4173028.1,	132.5,	132.5,	0.0);
(	606701.4,	4173028.1,	132.8,	132.8,	0.0);	(606726.4,	4173028.1,	133.2,	133.2,	0.0);
(	606751.4,	4173028.1,	133.7,	133.7,	0.0);	(606776.4,	4173028.1,	133.8,	133.8,	0.0);
(	606326.4,	4173053.1,	130.3,	130.3,	0.0);	(606351.4,	4173053.1,	130.8,	130.8,	0.0);
(	606376.4,	4173053.1,	131.1,	131.1,	0.0);	(606401.4,	4173053.1,	130.8,	130.8,	0.0);
(	606426.4,	4173053.1,	131.2,	131.2,	0.0);	(606451.4,	4173053.1,	131.7,	131.7,	0.0);
(	606476.4,	4173053.1,	131.3,	131.3,	0.0);	(606501.4,	4173053.1,	131.4,	131.4,	0.0);
(	606526.4,	4173053.1,	131.2,	131.2,	0.0);	(606576.4,	4173053.1,	131.9,	131.9,	0.0);
(	606601.4,	4173053.1,	131.9,	131.9,	0.0);	(606651.4,	4173053.1,	132.4,	132.4,	0.0);
(	606676.4,	4173053.1,	132.4,	132.4,	0.0);	(606701.4,	4173053.1,	133.0,	133.0,	0.0);
(	606726.4,	4173053.1,	133.4,	133.4,	0.0);	(606751.4,	4173053.1,	133.8,	133.8,	0.0);
(	606326.4,	4173078.1,	130.2,	130.2,	0.0);	(606351.4,	4173078.1,	130.6,	130.6,	0.0);
(	606376.4,	4173078.1,	130.9,	130.9,	0.0);	(606401.4,	4173078.1,	130.5,	130.5,	0.0);
(	606426.4,	4173078.1,	131.1,	131.1,	0.0);	(606451.4,	4173078.1,	131.6,	131.6,	0.0);
(	606476.4,	4173078.1,	131.0,	131.0,	0.0);	(606501.4,	4173078.1,	131.2,	131.2,	0.0);
(	606526.4,	4173078.1,	131.7,	131.7,	0.0);	(606576.4,	4173078.1,	131.8,	131.8,	0.0);
(	606601.4,	4173078.1,	132.0,	132.0,	0.0);	(606651.4,	4173078.1,	132.6,	132.6,	0.0);
(	606676.4,	4173078.1,	132.7,	132.7,	0.0);	(606701.4,	4173078.1,	133.1,	133.1,	0.0);
(	606726.4,	4173078.1,	133.5,	133.5,	0.0);	(606326.4,	4173103.1,	130.1,	130.1,	0.0);
(	606351.4,	4173103.1,	130.6,	130.6,	0.0);	(606376.4,	4173103.1,	130.6,	130.6,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(606401.4,	4173103.1,	130.3,	130.3,	0.0);	(606426.4,	4173103.1,	131.0,	131.0,	0.0);
(606451.4,	4173103.1,	131.7,	131.7,	0.0);	(606476.4,	4173103.1,	131.6,	131.6,	0.0);
(606501.4,	4173103.1,	131.7,	131.7,	0.0);	(606526.4,	4173103.1,	131.9,	131.9,	0.0);
(606576.4,	4173103.1,	131.9,	131.9,	0.0);	(606601.4,	4173103.1,	132.3,	132.3,	0.0);
(606651.4,	4173103.1,	132.8,	132.8,	0.0);	(606676.4,	4173103.1,	132.8,	132.8,	0.0);
(606701.4,	4173103.1,	133.2,	133.2,	0.0);	(606326.4,	4173128.1,	130.0,	130.0,	0.0);
(606351.4,	4173128.1,	130.2,	130.2,	0.0);	(606376.4,	4173128.1,	130.1,	130.1,	0.0);
(606401.4,	4173128.1,	130.1,	130.1,	0.0);	(606426.4,	4173128.1,	130.6,	130.6,	0.0);
(606451.4,	4173128.1,	131.0,	131.0,	0.0);	(606476.4,	4173128.1,	131.1,	131.1,	0.0);
(606501.4,	4173128.1,	131.3,	131.3,	0.0);	(606651.4,	4173128.1,	132.9,	132.9,	0.0);
(606326.4,	4173153.1,	129.8,	129.8,	0.0);	(606351.4,	4173153.1,	129.9,	129.9,	0.0);
(606376.4,	4173153.1,	129.9,	129.9,	0.0);	(606401.4,	4173153.1,	129.9,	129.9,	0.0);
(606426.4,	4173153.1,	130.3,	130.3,	0.0);	(606451.4,	4173153.1,	130.5,	130.5,	0.0);
(606608.0,	4173140.0,	132.7,	132.7,	0.0);	(606577.0,	4173126.0,	131.7,	131.7,	0.0);
(606532.0,	4173120.0,	131.9,	131.9,	0.0);	(606267.0,	4173431.0,	131.7,	131.7,	0.0);
(606280.0,	4173487.0,	133.4,	133.4,	0.0);	(606272.0,	4173530.0,	134.6,	134.6,	0.0);
(606273.0,	4173570.0,	135.7,	135.7,	0.0);	(606316.7,	4173425.8,	131.7,	131.7,	0.0);
(606366.5,	4173420.5,	132.2,	132.2,	0.0);	(606416.2,	4173415.3,	133.2,	133.2,	0.0);
(606465.9,	4173410.1,	133.2,	133.2,	0.0);	(606515.6,	4173404.9,	134.2,	134.2,	0.0);
(606565.4,	4173399.6,	135.0,	135.0,	0.0);	(606329.7,	4173481.8,	133.2,	133.2,	0.0);
(606379.5,	4173476.5,	133.8,	133.8,	0.0);	(606429.2,	4173471.3,	134.3,	134.3,	0.0);
(606478.9,	4173466.1,	135.0,	135.0,	0.0);	(606528.6,	4173460.9,	135.6,	135.6,	0.0);
(606578.4,	4173455.6,	136.5,	136.5,	0.0);	(606321.7,	4173524.8,	134.5,	134.5,	0.0);
(606371.5,	4173519.5,	134.9,	134.9,	0.0);	(606421.2,	4173514.3,	135.5,	135.5,	0.0);
(606470.9,	4173509.1,	136.0,	136.0,	0.0);	(606520.6,	4173503.9,	136.5,	136.5,	0.0);
(606570.4,	4173498.6,	137.3,	137.3,	0.0);	(606322.7,	4173564.8,	136.0,	136.0,	0.0);
(606372.5,	4173559.5,	136.1,	136.1,	0.0);	(606422.2,	4173554.3,	136.8,	136.8,	0.0);
(606471.9,	4173549.1,	137.4,	137.4,	0.0);	(606521.6,	4173543.9,	136.9,	136.9,	0.0);
(606571.4,	4173538.6,	138.5,	138.5,	0.0);					

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

```
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\..\..\..\metdata\AQMD\724927_Livermore\724927.SFC Met Version: 14134
Profile file: ..\..\..\..\metdata\AQMD\724927_Livermore\724927.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23285 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2009 Year: 2009

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
09	01	01	1	01	-12.6	0.221	-9.000	-9.000	-999.	250.	77.5	0.11	0.90	1.00	2.86	51.	10.0	279.2	2.0
09	01	01	1	02	-23.5	0.413	-9.000	-9.000	-999.	637.	269.8	0.11	0.90	1.00	4.86	48.	10.0	279.2	2.0
09	01	01	1	03	-11.1	0.195	-9.000	-9.000	-999.	254.	59.8	0.07	0.90	1.00	2.86	94.	10.0	278.8	2.0
09	01	01	1	04	-9.5	0.166	-9.000	-9.000	-999.	164.	43.7	0.11	0.90	1.00	2.36	53.	10.0	278.1	2.0
09	01	01	1	05	-11.1	0.195	-9.000	-9.000	-999.	206.	59.6	0.07	0.90	1.00	2.86	63.	10.0	278.1	2.0
09	01	01	1	06	-8.2	0.143	-9.000	-9.000	-999.	131.	32.3	0.07	0.90	1.00	2.36	72.	10.0	278.1	2.0
09	01	01	1	07	-8.2	0.143	-9.000	-9.000	-999.	130.	32.3	0.07	0.90	1.00	2.36	75.	10.0	278.1	2.0
09	01	01	1	08	-4.1	0.078	-9.000	-9.000	-999.	53.	10.3	0.11	0.90	0.75	1.76	13.	10.0	277.5	2.0
09	01	01	1	09	-6.3	0.246	-9.000	-9.000	-999.	292.	211.6	0.12	0.90	0.40	2.86	347.	10.0	278.1	2.0
09	01	01	1	10	6.6	0.303	0.261	0.016	96.	401.	-378.3	0.11	0.90	0.27	3.36	51.	10.0	278.8	2.0
09	01	01	1	11	15.4	0.317	0.422	0.017	176.	429.	-186.8	0.07	0.90	0.23	3.86	94.	10.0	279.9	2.0
09	01	01	1	12	47.5	0.448	0.742	0.017	309.	720.	-170.5	0.11	0.90	0.22	4.86	56.	10.0	280.9	2.0
09	01	01	1	13	49.0	0.405	0.820	0.014	403.	621.	-122.0	0.07	0.90	0.21	4.86	63.	10.0	281.4	2.0
09	01	01	1	14	42.7	0.405	0.809	0.014	444.	619.	-139.5	0.11	0.90	0.22	4.36	59.	10.0	282.0	2.0
09	01	01	1	15	60.8	0.372	0.922	0.014	463.	545.	-75.6	0.07	0.90	0.25	4.36	72.	10.0	281.4	2.0
09	01	01	1	16	14.1	0.309	0.569	0.016	467.	414.	-187.5	0.11	0.90	0.34	3.36	54.	10.0	282.0	2.0
09	01	01	1	17	-30.4	0.311	-9.000	-9.000	-999.	417.	89.1	0.07	0.90	0.58	4.36	61.	10.0	280.4	2.0
09	01	01	1	18	-27.0	0.239	-9.000	-9.000	-999.	282.	45.2	0.11	0.90	1.00	3.36	47.	10.0	279.9	2.0
09	01	01	1	19	-14.9	0.131	-9.000	-9.000	-999.	120.	13.7	0.07	0.90	1.00	2.86	64.	10.0	279.2	2.0
09	01	01	1	20	-5.8	0.078	-9.000	-9.000	-999.	53.	7.3	0.11	0.90	1.00	1.76	47.	10.0	278.8	2.0
09	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	0.90	1.00	0.00	0.	10.0	277.5	2.0
09	01	01	1	22	-4.9	0.070	-9.000	-9.000	-999.	44.	6.2	0.07	0.90	1.00	1.76	82.	10.0	276.4	2.0
09	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	0.90	1.00	0.00	0.	10.0	277.0	2.0
09	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	0.90	1.00	0.00	0.	10.0	277.0	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
09	01	01	01	10.0	1	51.	2.86	279.3	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
606326.42	4172978.07	0.00105	606326.42	4172978.07	0.00105
606351.42	4172978.07	0.00106	606376.42	4172978.07	0.00107
606401.42	4172978.07	0.00108	606426.42	4172978.07	0.00110
606451.42	4172978.07	0.00111	606476.42	4172978.07	0.00112
606501.42	4172978.07	0.00114	606526.42	4172978.07	0.00115
606551.42	4172978.07	0.00117	606576.42	4172978.07	0.00119
606601.42	4172978.07	0.00120	606651.42	4172978.07	0.00123
606676.42	4172978.07	0.00125	606701.42	4172978.07	0.00126
606726.42	4172978.07	0.00128	606751.42	4172978.07	0.00130
606776.42	4172978.07	0.00131	606801.42	4172978.07	0.00132
606826.42	4172978.07	0.00133	606326.42	4173003.07	0.00113
606351.42	4173003.07	0.00114	606376.42	4173003.07	0.00116
606401.42	4173003.07	0.00117	606426.42	4173003.07	0.00119
606451.42	4173003.07	0.00120	606476.42	4173003.07	0.00122
606501.42	4173003.07	0.00124	606526.42	4173003.07	0.00126
606576.42	4173003.07	0.00130	606601.42	4173003.07	0.00132
606651.42	4173003.07	0.00136	606676.42	4173003.07	0.00139
606701.42	4173003.07	0.00141	606726.42	4173003.07	0.00143
606751.42	4173003.07	0.00145	606776.42	4173003.07	0.00147
606801.42	4173003.07	0.00149	606326.42	4173028.07	0.00122
606351.42	4173028.07	0.00123	606376.42	4173028.07	0.00125
606401.42	4173028.07	0.00127	606426.42	4173028.07	0.00129
606451.42	4173028.07	0.00131	606476.42	4173028.07	0.00133
606501.42	4173028.07	0.00135	606526.42	4173028.07	0.00138
606576.42	4173028.07	0.00143	606601.42	4173028.07	0.00146
606651.42	4173028.07	0.00152	606676.42	4173028.07	0.00155
606701.42	4173028.07	0.00158	606726.42	4173028.07	0.00161
606751.42	4173028.07	0.00165	606776.42	4173028.07	0.00167
606326.42	4173053.07	0.00132	606351.42	4173053.07	0.00134
606376.42	4173053.07	0.00136	606401.42	4173053.07	0.00138
606426.42	4173053.07	0.00140	606451.42	4173053.07	0.00143
606476.42	4173053.07	0.00145	606501.42	4173053.07	0.00148
606526.42	4173053.07	0.00151	606576.42	4173053.07	0.00159
606601.42	4173053.07	0.00162	606651.42	4173053.07	0.00171
606676.42	4173053.07	0.00175	606701.42	4173053.07	0.00180
606726.42	4173053.07	0.00185	606751.42	4173053.07	0.00189
606326.42	4173078.07	0.00144	606351.42	4173078.07	0.00146
606376.42	4173078.07	0.00148	606401.42	4173078.07	0.00150
606426.42	4173078.07	0.00153	606451.42	4173078.07	0.00156
606476.42	4173078.07	0.00159	606501.42	4173078.07	0.00163

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
606526.42	4173078.07	0.00167	606576.42	4173078.07	0.00177
606601.42	4173078.07	0.00182	606651.42	4173078.07	0.00194
606676.42	4173078.07	0.00200	606701.42	4173078.07	0.00207
606726.42	4173078.07	0.00214	606326.42	4173103.07	0.00157
606351.42	4173103.07	0.00159	606376.42	4173103.07	0.00162
606401.42	4173103.07	0.00164	606426.42	4173103.07	0.00168
606451.42	4173103.07	0.00172	606476.42	4173103.07	0.00176
606501.42	4173103.07	0.00181	606526.42	4173103.07	0.00187
606576.42	4173103.07	0.00200	606601.42	4173103.07	0.00207
606651.42	4173103.07	0.00224	606676.42	4173103.07	0.00232
606701.42	4173103.07	0.00243	606326.42	4173128.07	0.00173
606351.42	4173128.07	0.00176	606376.42	4173128.07	0.00178
606401.42	4173128.07	0.00182	606426.42	4173128.07	0.00186
606451.42	4173128.07	0.00191	606476.42	4173128.07	0.00197
606501.42	4173128.07	0.00203	606651.42	4173128.07	0.00263
606326.42	4173153.07	0.00192	606351.42	4173153.07	0.00196
606376.42	4173153.07	0.00199	606401.42	4173153.07	0.00204
606426.42	4173153.07	0.00209	606451.42	4173153.07	0.00215
606608.00	4173140.00	0.00262	606577.00	4173126.00	0.00225
606532.00	4173120.00	0.00204	606267.00	4173431.00	0.00105
606280.00	4173487.00	0.00078	606272.00	4173530.00	0.00064
606273.00	4173570.00	0.00054	606316.73	4173425.77	0.00108
606366.45	4173420.55	0.00109	606416.18	4173415.32	0.00109
606465.90	4173410.09	0.00109	606515.63	4173404.87	0.00108
606565.36	4173399.64	0.00106	606329.73	4173481.77	0.00080
606379.45	4173476.55	0.00081	606429.18	4173471.32	0.00081
606478.90	4173466.09	0.00081	606528.63	4173460.87	0.00081
606578.36	4173455.64	0.00080	606321.73	4173524.77	0.00066
606371.45	4173519.55	0.00067	606421.18	4173514.32	0.00067
606470.90	4173509.09	0.00067	606520.63	4173503.87	0.00068
606570.36	4173498.64	0.00067	606322.73	4173564.77	0.00056
606372.45	4173559.55	0.00057	606422.18	4173554.32	0.00057
606471.90	4173549.09	0.00057	606521.63	4173543.87	0.00058
606571.36	4173538.64	0.00058			

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00263 AT	(606651.42, 4173128.07, 132.85, 132.85, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00262 AT	(606608.00, 4173140.00, 132.70, 132.70, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00243 AT	(606701.42, 4173103.07, 133.24, 133.24, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00232 AT	(606676.42, 4173103.07, 132.75, 132.75, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00225 AT	(606577.00, 4173126.00, 131.68, 131.68, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00224 AT	(606651.42, 4173103.07, 132.76, 132.76, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00215 AT	(606451.42, 4173153.07, 130.49, 130.49, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00214 AT	(606726.42, 4173078.07, 133.51, 133.51, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00209 AT	(606426.42, 4173153.07, 130.29, 130.29, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00207 AT	(606601.42, 4173103.07, 132.27, 132.27, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   1 Warning Message(s)
A Total of   15235 Informational Message(s)

A Total of   43872 Hours Were Processed

A Total of   13448 Calm Hours Identified

A Total of   1787 Missing Hours Identified (4.07 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
MX W481   43873   MAIN: Data Remaining After End of Year. Number of Hours=   48

   ****
   *** AERMOD Finishes Successfully ***
   ****

```
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE Valley Link: Tri-Valley Segment Section 2, 2040 Annual Operation DPM
   MODELOPT CONC FASTAREA
   AVERTIME ANNUAL
   URBANOPT 4656000 Other_Bay_Area
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL Tri-Valley_S2_operation_2040_DPM.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = TRIVAL_S2_D
** DESCRSRC Tri-Valley Segment Section 2, Day Time
** PREFIX
** Length of Side = 9.10
** Ratio = 10
** Vertical Dimension = 1.37
** Emission Rate = 3.5227E-08
** Nodes = 24
** 604983.818, 4173296.610, 128.33, 5.87
** 605298.034, 4173300.513, 127.94, 5.87
** 605592.733, 4173300.513, 126.70, 5.87
** 605940.127, 4173298.562, 127.01, 5.87
** 606162.615, 4173300.513, 127.04, 5.87
** 606232.874, 4173300.513, 127.79, 5.87
** 606260.197, 4173296.610, 127.69, 5.87
** 606318.747, 4173286.852, 128.58, 5.87
** 606476.831, 4173247.819, 131.89, 5.87
** 606595.881, 4173218.544, 133.32, 5.87
** 606648.576, 4173202.931, 133.42, 5.87
** 606750.062, 4173181.463, 133.87, 5.87
** 606812.514, 4173171.704, 133.98, 5.87
** 606884.725, 4173169.753, 134.23, 5.87
** 606953.033, 4173171.704, 134.45, 5.87
** 607056.471, 4173185.366, 135.01, 5.87
** 607296.524, 4173214.641, 138.47, 5.87
** 607565.851, 4173247.819, 142.75, 5.87
** 607653.675, 4173263.432, 144.35, 5.87
** 607846.889, 4173288.803, 147.04, 5.87
** 607891.777, 4173294.658, 147.61, 5.87
** 608006.924, 4173314.175, 147.55, 5.87
** 608100.603, 4173331.740, 140.57, 5.87
** 608229.412, 4173362.966, 146.29, 5.87
** ------------------------------------------------------------------------
   LOCATION A0000001     AREA     604983.875 4173292.060 128.33
   LOCATION A0000002     AREA     605062.429 4173293.036 127.95
   LOCATION A0000003     AREA     605140.983 4173294.012 127.83
   LOCATION A0000004     AREA     605219.537 4173294.988 127.88
   LOCATION A0000005     AREA     605298.034 4173295.963 127.91
   LOCATION A0000006     AREA     605371.709 4173295.963 127.89
   LOCATION A0000007     AREA     605445.384 4173295.963 127.73
   LOCATION A0000008     AREA     605519.058 4173295.963 127.50
   LOCATION A0000009     AREA     605592.708 4173295.963 127.29
   LOCATION A0000010     AREA     605679.556 4173295.475 127.15
   LOCATION A0000011     AREA     605766.404 4173294.987 127.26
   LOCATION A0000012     AREA     605853.253 4173294.499 127.08
   LOCATION A0000013     AREA     605940.167 4173294.012 126.98
   LOCATION A0000014     AREA     606014.329 4173294.662 126.67
   LOCATION A0000015     AREA     606088.492 4173295.313 126.93
   LOCATION A0000016     AREA     606162.615 4173295.963 126.85
   LOCATION A0000017     AREA     606232.231 4173296.009 127.44
   LOCATION A0000018     AREA     606259.449 4173292.122 127.77
   LOCATION A0000019     AREA     606317.656 4173282.434 128.73
   LOCATION A0000020     AREA     606396.698 4173262.918 130.31
   LOCATION A0000021     AREA     606475.744 4173243.400 131.90
   LOCATION A0000022     AREA     606535.269 4173228.763 132.88
   LOCATION A0000023     AREA     606594.589 4173214.181 133.33
   LOCATION A0000024     AREA     606647.634 4173198.479 133.52
   LOCATION A0000025     AREA     606698.377 4173187.745 133.72
   LOCATION A0000026     AREA     606749.359 4173176.967 133.92
   LOCATION A0000027     AREA     606812.391 4173167.156 134.13
   LOCATION A0000028     AREA     606884.855 4173165.204 134.20
   LOCATION A0000029     AREA     606953.629 4173167.193 134.42
   LOCATION A0000030     AREA     607005.348 4173174.024 134.46
   LOCATION A0000031     AREA     607057.021 4173180.849 134.92
   LOCATION A0000032     AREA     607137.039 4173190.608 128.63
   LOCATION A0000033     AREA     607217.057 4173200.366 137.24
   LOCATION A0000034     AREA     607297.080 4173210.125 138.52
   LOCATION A0000035     AREA     607386.856 4173221.184 139.96
   LOCATION A0000036     AREA     607476.632 4173232.243 141.30
   LOCATION A0000037     AREA     607566.648 4173243.339 142.76
```

```
   LOCATION A0000038     AREA     607654.268 4173258.921 144.18
   LOCATION A0000039     AREA     607718.672 4173267.378 145.30
   LOCATION A0000040     AREA     607783.077 4173275.835 146.32
   LOCATION A0000041     AREA     607847.477 4173284.291 147.11
   LOCATION A0000042     AREA     607892.537 4173290.172 147.62
   LOCATION A0000043     AREA     607950.111 4173299.930 147.82
   LOCATION A0000044     AREA     608007.763 4173309.703 147.58
   LOCATION A0000045     AREA     608054.602 4173318.485 147.24
   LOCATION A0000046     AREA     608101.675 4173327.318 140.37
   LOCATION A0000047     AREA     608166.080 4173342.931 146.55
** End of LINE AREA Source ID = TRIVAL_S2_D
** ----------------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = TRIVAL_S2_N
** DESCRSRC Tri-Valley Segment Section 2, Night Time
** PREFIX
** Length of Side = 9.10
** Ratio = 10
** Vertical Dimension = 2.55
** Emission Rate = 3.5227E-08
** Nodes = 24
** 604983.818, 4173296.610, 128.33, 10.98
** 605298.034, 4173300.513, 127.94, 10.98
** 605592.733, 4173300.513, 126.70, 10.98
** 605940.127, 4173298.562, 127.01, 10.98
** 606162.615, 4173300.513, 127.04, 10.98
** 606232.874, 4173300.513, 127.79, 10.98
** 606260.197, 4173296.610, 127.69, 10.98
** 606318.747, 4173286.852, 128.58, 10.98
** 606476.831, 4173247.819, 131.89, 10.98
** 606595.881, 4173218.544, 133.32, 10.98
** 606648.576, 4173202.931, 133.42, 10.98
** 606750.062, 4173181.463, 133.87, 10.98
** 606812.514, 4173171.704, 133.98, 10.98
** 606884.725, 4173169.753, 134.23, 10.98
** 606953.033, 4173171.704, 134.45, 10.98
** 607056.471, 4173185.366, 135.01, 10.98
** 607296.524, 4173214.641, 138.47, 10.98
** 607565.851, 4173247.819, 142.75, 10.98
** 607653.675, 4173263.432, 144.35, 10.98
** 607846.889, 4173288.803, 147.04, 10.98
** 607891.777, 4173294.658, 147.61, 10.98
** 608006.924, 4173314.175, 147.55, 10.98
** 608100.603, 4173331.740, 140.57, 10.98
** 608229.412, 4173362.966, 146.29, 10.98
** ----------------------------------------------------------------------
   LOCATION A0000048     AREA     604983.875 4173292.060 128.33
   LOCATION A0000049     AREA     605062.429 4173293.036 127.95
   LOCATION A0000050     AREA     605140.983 4173294.012 127.83
   LOCATION A0000051     AREA     605219.537 4173294.988 127.88
   LOCATION A0000052     AREA     605298.034 4173295.963 127.91
   LOCATION A0000053     AREA     605371.709 4173295.963 127.89
   LOCATION A0000054     AREA     605445.384 4173295.963 127.73
   LOCATION A0000055     AREA     605519.058 4173295.963 127.50
   LOCATION A0000056     AREA     605592.708 4173295.963 127.29
   LOCATION A0000057     AREA     605679.556 4173295.475 127.15
   LOCATION A0000058     AREA     605766.404 4173294.987 127.26
   LOCATION A0000059     AREA     605853.253 4173294.499 127.08
   LOCATION A0000060     AREA     605940.167 4173294.012 126.98
   LOCATION A0000061     AREA     606014.329 4173294.662 126.67
   LOCATION A0000062     AREA     606088.492 4173295.313 126.93
   LOCATION A0000063     AREA     606162.615 4173295.963 126.85
   LOCATION A0000064     AREA     606232.231 4173296.009 127.44
   LOCATION A0000065     AREA     606259.449 4173292.122 127.77
   LOCATION A0000066     AREA     606317.656 4173282.434 128.73
   LOCATION A0000067     AREA     606396.698 4173262.918 130.31
   LOCATION A0000068     AREA     606475.744 4173243.400 131.90
   LOCATION A0000069     AREA     606535.269 4173228.763 132.88
   LOCATION A0000070     AREA     606594.589 4173214.181 133.33
   LOCATION A0000071     AREA     606647.634 4173198.479 133.52
   LOCATION A0000072     AREA     606698.377 4173187.745 133.72
   LOCATION A0000073     AREA     606749.359 4173176.967 133.92
   LOCATION A0000074     AREA     606812.391 4173167.156 134.13
   LOCATION A0000075     AREA     606884.855 4173165.204 134.20
   LOCATION A0000076     AREA     606953.629 4173167.193 134.42
   LOCATION A0000077     AREA     607005.348 4173174.024 134.46
   LOCATION A0000078     AREA     607057.021 4173180.849 134.92
   LOCATION A0000079     AREA     607137.039 4173190.608 128.63
   LOCATION A0000080     AREA     607217.057 4173200.366 137.24
   LOCATION A0000081     AREA     607297.080 4173210.125 138.52
   LOCATION A0000082     AREA     607386.856 4173221.184 139.96
   LOCATION A0000083     AREA     607476.632 4173232.243 141.30
   LOCATION A0000084     AREA     607566.648 4173243.339 142.76
   LOCATION A0000085     AREA     607654.268 4173258.921 144.18
   LOCATION A0000086     AREA     607718.672 4173267.378 145.30
   LOCATION A0000087     AREA     607783.077 4173275.835 146.32
   LOCATION A0000088     AREA     607847.477 4173284.291 147.11
   LOCATION A0000089     AREA     607892.537 4173290.172 147.62
   LOCATION A0000090     AREA     607950.111 4173299.930 147.82
   LOCATION A0000091     AREA     608007.763 4173309.703 147.58
   LOCATION A0000092     AREA     608054.602 4173318.485 147.24
   LOCATION A0000093     AREA     608101.675 4173327.318 140.37
   LOCATION A0000094     AREA     608166.080 4173342.931 146.55
** End of LINE AREA Source ID = TRIVAL_S2_N
** Source Parameters **
```

```
** LINE AREA Source ID = TRIVAL_S2_D
   SRCPARAM A0000001     3.5227E-08     5.870    78.560     9.100    -0.712     1.370
   SRCPARAM A0000002     3.5227E-08     5.870    78.560     9.100    -0.712     1.370
   SRCPARAM A0000003     3.5227E-08     5.870    78.560     9.100    -0.712     1.370
   SRCPARAM A0000004     3.5227E-08     5.870    78.560     9.100    -0.712     1.370
   SRCPARAM A0000005     3.5227E-08     5.870    73.675     9.100     0.000     1.370
   SRCPARAM A0000006     3.5227E-08     5.870    73.675     9.100     0.000     1.370
   SRCPARAM A0000007     3.5227E-08     5.870    73.675     9.100     0.000     1.370
   SRCPARAM A0000008     3.5227E-08     5.870    73.675     9.100     0.000     1.370
   SRCPARAM A0000009     3.5227E-08     5.870    86.850     9.100     0.322     1.370
   SRCPARAM A0000010     3.5227E-08     5.870    86.850     9.100     0.322     1.370
   SRCPARAM A0000011     3.5227E-08     5.870    86.850     9.100     0.322     1.370
   SRCPARAM A0000012     3.5227E-08     5.870    86.850     9.100     0.322     1.370
   SRCPARAM A0000013     3.5227E-08     5.870    74.166     9.100    -0.503     1.370
   SRCPARAM A0000014     3.5227E-08     5.870    74.166     9.100    -0.503     1.370
   SRCPARAM A0000015     3.5227E-08     5.870    74.166     9.100    -0.503     1.370
   SRCPARAM A0000016     3.5227E-08     5.870    70.259     9.100     0.000     1.370
   SRCPARAM A0000017     3.5227E-08     5.870    27.600     9.100     8.130     1.370
   SRCPARAM A0000018     3.5227E-08     5.870    59.357     9.100     9.462     1.370
   SRCPARAM A0000019     3.5227E-08     5.870    81.416     9.100    13.870     1.370
   SRCPARAM A0000020     3.5227E-08     5.870    81.416     9.100    13.870     1.370
   SRCPARAM A0000021     3.5227E-08     5.870    61.299     9.100    13.815     1.370
   SRCPARAM A0000022     3.5227E-08     5.870    61.299     9.100    13.815     1.370
   SRCPARAM A0000023     3.5227E-08     5.870    54.959     9.100    16.504     1.370
   SRCPARAM A0000024     3.5227E-08     5.870    51.866     9.100    11.944     1.370
   SRCPARAM A0000025     3.5227E-08     5.870    51.866     9.100    11.944     1.370
   SRCPARAM A0000026     3.5227E-08     5.870    63.211     9.100     8.881     1.370
   SRCPARAM A0000027     3.5227E-08     5.870    72.237     9.100     1.548     1.370
   SRCPARAM A0000028     3.5227E-08     5.870    68.336     9.100    -1.637     1.370
   SRCPARAM A0000029     3.5227E-08     5.870    52.168     9.100    -7.524     1.370
   SRCPARAM A0000030     3.5227E-08     5.870    52.168     9.100    -7.524     1.370
   SRCPARAM A0000031     3.5227E-08     5.870    80.610     9.100    -6.953     1.370
   SRCPARAM A0000032     3.5227E-08     5.870    80.610     9.100    -6.953     1.370
   SRCPARAM A0000033     3.5227E-08     5.870    80.610     9.100    -6.953     1.370
   SRCPARAM A0000034     3.5227E-08     5.870    90.455     9.100    -7.023     1.370
   SRCPARAM A0000035     3.5227E-08     5.870    90.455     9.100    -7.023     1.370
   SRCPARAM A0000036     3.5227E-08     5.870    90.455     9.100    -7.023     1.370
   SRCPARAM A0000037     3.5227E-08     5.870    89.201     9.100   -10.081     1.370
   SRCPARAM A0000038     3.5227E-08     5.870    64.957     9.100    -7.481     1.370
   SRCPARAM A0000039     3.5227E-08     5.870    64.957     9.100    -7.481     1.370
   SRCPARAM A0000040     3.5227E-08     5.870    64.957     9.100    -7.481     1.370
   SRCPARAM A0000041     3.5227E-08     5.870    45.268     9.100    -7.431     1.370
   SRCPARAM A0000042     3.5227E-08     5.870    58.395     9.100    -9.620     1.370
   SRCPARAM A0000043     3.5227E-08     5.870    58.395     9.100    -9.620     1.370
   SRCPARAM A0000044     3.5227E-08     5.870    47.656     9.100   -10.620     1.370
   SRCPARAM A0000045     3.5227E-08     5.870    47.656     9.100   -10.620     1.370
   SRCPARAM A0000046     3.5227E-08     5.870    66.270     9.100   -13.627     1.370
   SRCPARAM A0000047     3.5227E-08     5.870    66.270     9.100   -13.627     1.370
** ----------------------------------------------------------------------
** LINE AREA Source ID = TRIVAL_S2_N
   SRCPARAM A0000048     3.5227E-08    10.980    78.560     9.100    -0.712     2.550
   SRCPARAM A0000049     3.5227E-08    10.980    78.560     9.100    -0.712     2.550
   SRCPARAM A0000050     3.5227E-08    10.980    78.560     9.100    -0.712     2.550
   SRCPARAM A0000051     3.5227E-08    10.980    78.560     9.100    -0.712     2.550
   SRCPARAM A0000052     3.5227E-08    10.980    73.675     9.100     0.000     2.550
   SRCPARAM A0000053     3.5227E-08    10.980    73.675     9.100     0.000     2.550
   SRCPARAM A0000054     3.5227E-08    10.980    73.675     9.100     0.000     2.550
   SRCPARAM A0000055     3.5227E-08    10.980    73.675     9.100     0.000     2.550
   SRCPARAM A0000056     3.5227E-08    10.980    86.850     9.100     0.322     2.550
   SRCPARAM A0000057     3.5227E-08    10.980    86.850     9.100     0.322     2.550
   SRCPARAM A0000058     3.5227E-08    10.980    86.850     9.100     0.322     2.550
   SRCPARAM A0000059     3.5227E-08    10.980    86.850     9.100     0.322     2.550
   SRCPARAM A0000060     3.5227E-08    10.980    74.166     9.100    -0.503     2.550
   SRCPARAM A0000061     3.5227E-08    10.980    74.166     9.100    -0.503     2.550
   SRCPARAM A0000062     3.5227E-08    10.980    74.166     9.100    -0.503     2.550
   SRCPARAM A0000063     3.5227E-08    10.980    70.259     9.100     0.000     2.550
   SRCPARAM A0000064     3.5227E-08    10.980    27.600     9.100     8.130     2.550
   SRCPARAM A0000065     3.5227E-08    10.980    59.357     9.100     9.462     2.550
   SRCPARAM A0000066     3.5227E-08    10.980    81.416     9.100    13.870     2.550
   SRCPARAM A0000067     3.5227E-08    10.980    81.416     9.100    13.870     2.550
   SRCPARAM A0000068     3.5227E-08    10.980    61.299     9.100    13.815     2.550
   SRCPARAM A0000069     3.5227E-08    10.980    61.299     9.100    13.815     2.550
   SRCPARAM A0000070     3.5227E-08    10.980    54.959     9.100    16.504     2.550
   SRCPARAM A0000071     3.5227E-08    10.980    51.866     9.100    11.944     2.550
   SRCPARAM A0000072     3.5227E-08    10.980    51.866     9.100    11.944     2.550
   SRCPARAM A0000073     3.5227E-08    10.980    63.211     9.100     8.881     2.550
   SRCPARAM A0000074     3.5227E-08    10.980    72.237     9.100     1.548     2.550
   SRCPARAM A0000075     3.5227E-08    10.980    68.336     9.100    -1.637     2.550
   SRCPARAM A0000076     3.5227E-08    10.980    52.168     9.100    -7.524     2.550
   SRCPARAM A0000077     3.5227E-08    10.980    52.168     9.100    -7.524     2.550
   SRCPARAM A0000078     3.5227E-08    10.980    80.610     9.100    -6.953     2.550
   SRCPARAM A0000079     3.5227E-08    10.980    80.610     9.100    -6.953     2.550
   SRCPARAM A0000080     3.5227E-08    10.980    80.610     9.100    -6.953     2.550
   SRCPARAM A0000081     3.5227E-08    10.980    90.455     9.100    -7.023     2.550
   SRCPARAM A0000082     3.5227E-08    10.980    90.455     9.100    -7.023     2.550
   SRCPARAM A0000083     3.5227E-08    10.980    90.455     9.100    -7.023     2.550
   SRCPARAM A0000084     3.5227E-08    10.980    89.201     9.100   -10.081     2.550
   SRCPARAM A0000085     3.5227E-08    10.980    64.957     9.100    -7.481     2.550
   SRCPARAM A0000086     3.5227E-08    10.980    64.957     9.100    -7.481     2.550
   SRCPARAM A0000087     3.5227E-08    10.980    64.957     9.100    -7.481     2.550
   SRCPARAM A0000088     3.5227E-08    10.980    45.268     9.100    -7.431     2.550
   SRCPARAM A0000089     3.5227E-08    10.980    58.395     9.100    -9.620     2.550
   SRCPARAM A0000090     3.5227E-08    10.980    58.395     9.100    -9.620     2.550
   SRCPARAM A0000091     3.5227E-08    10.980    47.656     9.100   -10.620     2.550
   SRCPARAM A0000092     3.5227E-08    10.980    47.656     9.100   -10.620     2.550
```

```
   SRCPARAM A0000093     3.5227E-08    10.980    66.270     9.100   -13.627     2.550
   SRCPARAM A0000094     3.5227E-08    10.980    66.270     9.100   -13.627     2.550
** ------------------------------------------------------------------------
   URBANSRC ALL

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Day"
   EMISFACT A0000001     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000001     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000001     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000001     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000002     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000002     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000002     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000002     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000003     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000003     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000003     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000003     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000004     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000004     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000004     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000004     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000005     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000005     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000005     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000005     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000006     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000006     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000006     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000006     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000007     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000007     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000007     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000007     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000008     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000008     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000008     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000008     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000009     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000009     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000009     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000009     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000010     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000010     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000010     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000010     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000011     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000011     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000011     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000011     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000012     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000012     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000013     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000013     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000014     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000014     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000015     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000015     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000016     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000016     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000017     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000017     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000018     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000018     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000019     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000019     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000020     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000020     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000021     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000022     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT A0000023     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000023     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000023     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000023     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000024     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000024     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000024     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000024     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000025     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000025     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000025     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000025     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000026     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000026     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000026     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000026     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000027     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000027     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000027     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000027     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000028     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000028     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000028     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000028     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000029     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000029     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000029     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000029     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000030     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000030     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000030     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000030     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000031     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000031     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000031     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000031     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000032     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000032     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000032     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000032     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000033     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000033     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000033     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000033     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000034     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000034     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000034     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000034     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000035     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000035     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000035     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000035     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000036     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000036     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000036     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000036     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000037     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000037     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000037     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000037     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000038     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000038     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000038     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000038     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000039     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000039     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000039     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000039     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000040     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000040     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000040     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000040     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000041     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000041     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000041     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000041     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000042     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000042     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000042     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000042     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000043     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000043     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000043     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000043     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000044     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000044     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000044     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000044     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000045     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000045     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000045     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000045     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000046     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000046     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000046     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
```

```
   EMISFACT A0000046     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000047     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000047     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Night"
   EMISFACT A0000048     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000048     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000048     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000049     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000049     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000050     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000050     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000051     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000051     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000052     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000052     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000053     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000053     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000054     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000054     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000055     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000055     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000056     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000056     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000057     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000057     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000058     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000058     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000059     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000059     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000060     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000060     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000061     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000061     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000062     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000062     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000063     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000063     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000064     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000064     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000065     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000065     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000066     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000066     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000067     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000067     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000068     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000068     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000069     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
```

```
EMISFACT A0000069     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000070     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000070     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000070     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000070     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000071     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000071     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000071     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000071     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000072     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000072     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000072     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000072     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000073     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000073     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000073     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000073     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000074     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000074     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000074     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000074     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000075     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000075     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000075     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000075     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000076     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000076     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000076     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000076     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000077     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000077     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000077     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000077     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000078     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000078     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000078     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000078     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000079     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000079     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000079     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000079     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000080     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000080     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000080     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000080     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000081     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000081     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000081     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000081     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000082     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000082     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000082     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000082     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000083     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000083     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000083     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000083     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000084     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000084     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000084     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000084     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000085     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000085     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000085     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000085     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000086     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000086     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000086     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000086     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000087     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000087     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000087     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000087     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000088     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000088     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000088     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000088     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000089     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000089     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000089     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000089     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000090     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000090     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000090     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000090     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000091     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000091     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000091     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000091     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000092     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000092     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000092     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000092     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000093     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000093     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000093     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000093     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000094     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000094     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000094     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000094     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED Tri-Valley_S2_operation_2040_DPM.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE ..\..\..\..\metdata\AQMD\724927_Livermore\724927.SFC
   PROFFILE ..\..\..\..\metdata\AQMD\724927_Livermore\724927.PFL
   SURFDATA 23285 2009
   UAIRDATA 23230 2009 OAKLAND/WSO_AP
   PROFBASE 137.2 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   PLOTFILE ANNUAL ALL TRI-VALLEY_S2_OPERATION_2040_DPM.AD\Tri-Valley_S2_operation_2040_annual_DPM.PLT 31
   SUMMFILE Tri-Valley_S2_operation_2040_DPM.sum
OU FINISHED

 *********************************
 *** SETUP Finishes Successfully ***
 *********************************
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

**Model Is Setup For Calculation of Average CONCentration Values.

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for   94 Source(s),
  for Total of   1 Urban Area(s):
  Urban Population =   4656000.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Full Conversion Assumed for NO2.
        6. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:
        FASTAREA - Use hybrid approach to optimize AREA sources;
                   also applies to LINE sources (formerly TOXICS option)
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 94 Source(s);   1 Source Group(s); and   147 Receptor(s)

               with: 0 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 0 VOLUME source(s)
                and: 94 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with   0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   137.20 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   3.6 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: Tri-Valley_S2_operation_2040_DPM.err
**File for Summary of Results: Tri-Valley_S2_operation_2040_DPM.sum

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000001	0	0.35227E-07	604983.9	4173292.1	128.3	5.87	78.56	9.10	-0.71	1.37	YES	HROFDY
A0000002	0	0.35227E-07	605062.4	4173293.0	128.0	5.87	78.56	9.10	-0.71	1.37	YES	HROFDY
A0000003	0	0.35227E-07	605141.0	4173294.0	127.8	5.87	78.56	9.10	-0.71	1.37	YES	HROFDY
A0000004	0	0.35227E-07	605219.5	4173295.0	127.9	5.87	78.56	9.10	-0.71	1.37	YES	HROFDY
A0000005	0	0.35227E-07	605298.0	4173296.0	127.9	5.87	73.67	9.10	0.00	1.37	YES	HROFDY
A0000006	0	0.35227E-07	605371.7	4173296.0	127.9	5.87	73.67	9.10	0.00	1.37	YES	HROFDY
A0000007	0	0.35227E-07	605445.4	4173296.0	127.7	5.87	73.67	9.10	0.00	1.37	YES	HROFDY
A0000008	0	0.35227E-07	605519.1	4173296.0	127.5	5.87	73.67	9.10	0.00	1.37	YES	HROFDY
A0000009	0	0.35227E-07	605592.7	4173296.0	127.3	5.87	86.85	9.10	0.32	1.37	YES	HROFDY
A0000010	0	0.35227E-07	605679.6	4173295.5	127.1	5.87	86.85	9.10	0.32	1.37	YES	HROFDY
A0000011	0	0.35227E-07	605766.4	4173295.0	127.3	5.87	86.85	9.10	0.32	1.37	YES	HROFDY
A0000012	0	0.35227E-07	605853.3	4173294.5	127.1	5.87	86.85	9.10	0.32	1.37	YES	HROFDY
A0000013	0	0.35227E-07	605940.2	4173294.0	127.0	5.87	74.17	9.10	-0.50	1.37	YES	HROFDY
A0000014	0	0.35227E-07	606014.3	4173294.7	126.7	5.87	74.17	9.10	-0.50	1.37	YES	HROFDY
A0000015	0	0.35227E-07	606088.5	4173295.3	126.9	5.87	74.17	9.10	-0.50	1.37	YES	HROFDY
A0000016	0	0.35227E-07	606162.6	4173296.0	126.8	5.87	70.26	9.10	0.00	1.37	YES	HROFDY
A0000017	0	0.35227E-07	606232.2	4173296.0	127.4	5.87	27.60	9.10	8.13	1.37	YES	HROFDY
A0000018	0	0.35227E-07	606259.4	4173292.1	127.8	5.87	59.36	9.10	9.46	1.37	YES	HROFDY
A0000019	0	0.35227E-07	606317.7	4173282.4	128.7	5.87	81.42	9.10	13.87	1.37	YES	HROFDY
A0000020	0	0.35227E-07	606396.7	4173262.9	130.3	5.87	81.42	9.10	13.87	1.37	YES	HROFDY
A0000021	0	0.35227E-07	606475.7	4173243.4	131.9	5.87	61.30	9.10	13.82	1.37	YES	HROFDY
A0000022	0	0.35227E-07	606535.3	4173228.8	132.9	5.87	61.30	9.10	13.82	1.37	YES	HROFDY
A0000023	0	0.35227E-07	606594.6	4173214.2	133.3	5.87	54.96	9.10	16.50	1.37	YES	HROFDY
A0000024	0	0.35227E-07	606647.6	4173198.5	133.5	5.87	51.87	9.10	11.94	1.37	YES	HROFDY
A0000025	0	0.35227E-07	606698.4	4173187.7	133.7	5.87	51.87	9.10	11.94	1.37	YES	HROFDY
A0000026	0	0.35227E-07	606749.4	4173177.0	133.9	5.87	63.21	9.10	8.88	1.37	YES	HROFDY
A0000027	0	0.35227E-07	606812.4	4173167.2	134.1	5.87	72.24	9.10	1.55	1.37	YES	HROFDY
A0000028	0	0.35227E-07	606884.9	4173165.2	134.2	5.87	68.34	9.10	-1.64	1.37	YES	HROFDY
A0000029	0	0.35227E-07	606953.6	4173167.2	134.4	5.87	52.17	9.10	-7.52	1.37	YES	HROFDY
A0000030	0	0.35227E-07	607005.3	4173174.0	134.5	5.87	52.17	9.10	-7.52	1.37	YES	HROFDY
A0000031	0	0.35227E-07	607057.0	4173180.8	134.9	5.87	80.61	9.10	-6.95	1.37	YES	HROFDY
A0000032	0	0.35227E-07	607137.0	4173190.6	128.6	5.87	80.61	9.10	-6.95	1.37	YES	HROFDY
A0000033	0	0.35227E-07	607217.1	4173200.4	137.2	5.87	80.61	9.10	-6.95	1.37	YES	HROFDY
A0000034	0	0.35227E-07	607297.1	4173210.1	138.5	5.87	90.45	9.10	-7.02	1.37	YES	HROFDY
A0000035	0	0.35227E-07	607386.9	4173221.2	140.0	5.87	90.45	9.10	-7.02	1.37	YES	HROFDY
A0000036	0	0.35227E-07	607476.6	4173232.2	141.3	5.87	90.45	9.10	-7.02	1.37	YES	HROFDY
A0000037	0	0.35227E-07	607566.6	4173243.3	142.8	5.87	89.20	9.10	-10.08	1.37	YES	HROFDY
A0000038	0	0.35227E-07	607654.3	4173258.9	144.2	5.87	64.96	9.10	-7.48	1.37	YES	HROFDY
A0000039	0	0.35227E-07	607718.7	4173267.4	145.3	5.87	64.96	9.10	-7.48	1.37	YES	HROFDY
A0000040	0	0.35227E-07	607783.1	4173275.8	146.3	5.87	64.96	9.10	-7.48	1.37	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000041	0	0.35227E-07	607847.5	4173284.3	147.1	5.87	45.27	9.10	-7.43	1.37	YES	HROFDY
A0000042	0	0.35227E-07	607892.5	4173290.2	147.6	5.87	58.40	9.10	-9.62	1.37	YES	HROFDY
A0000043	0	0.35227E-07	607950.1	4173299.9	147.8	5.87	58.40	9.10	-9.62	1.37	YES	HROFDY
A0000044	0	0.35227E-07	608007.8	4173309.7	147.6	5.87	47.66	9.10	-10.62	1.37	YES	HROFDY
A0000045	0	0.35227E-07	608054.6	4173318.5	147.2	5.87	47.66	9.10	-10.62	1.37	YES	HROFDY
A0000046	0	0.35227E-07	608101.7	4173327.3	140.4	5.87	66.27	9.10	-13.63	1.37	YES	HROFDY
A0000047	0	0.35227E-07	608166.1	4173342.9	146.6	5.87	66.27	9.10	-13.63	1.37	YES	HROFDY
A0000048	0	0.35227E-07	604983.9	4173292.1	128.3	10.98	78.56	9.10	-0.71	2.55	YES	HROFDY
A0000049	0	0.35227E-07	605062.4	4173293.0	128.0	10.98	78.56	9.10	-0.71	2.55	YES	HROFDY
A0000050	0	0.35227E-07	605141.0	4173294.0	127.8	10.98	78.56	9.10	-0.71	2.55	YES	HROFDY
A0000051	0	0.35227E-07	605219.5	4173295.0	127.9	10.98	78.56	9.10	-0.71	2.55	YES	HROFDY
A0000052	0	0.35227E-07	605298.0	4173296.0	127.9	10.98	73.67	9.10	0.00	2.55	YES	HROFDY
A0000053	0	0.35227E-07	605371.7	4173296.0	127.9	10.98	73.67	9.10	0.00	2.55	YES	HROFDY
A0000054	0	0.35227E-07	605445.4	4173296.0	127.7	10.98	73.67	9.10	0.00	2.55	YES	HROFDY
A0000055	0	0.35227E-07	605519.1	4173296.0	127.5	10.98	73.67	9.10	0.00	2.55	YES	HROFDY
A0000056	0	0.35227E-07	605592.7	4173296.0	127.3	10.98	86.85	9.10	0.32	2.55	YES	HROFDY
A0000057	0	0.35227E-07	605679.6	4173295.5	127.1	10.98	86.85	9.10	0.32	2.55	YES	HROFDY
A0000058	0	0.35227E-07	605766.4	4173295.0	127.3	10.98	86.85	9.10	0.32	2.55	YES	HROFDY
A0000059	0	0.35227E-07	605853.3	4173294.5	127.1	10.98	86.85	9.10	0.32	2.55	YES	HROFDY
A0000060	0	0.35227E-07	605940.2	4173294.0	127.0	10.98	74.17	9.10	-0.50	2.55	YES	HROFDY
A0000061	0	0.35227E-07	606014.3	4173294.7	126.7	10.98	74.17	9.10	-0.50	2.55	YES	HROFDY
A0000062	0	0.35227E-07	606088.5	4173295.3	126.9	10.98	74.17	9.10	-0.50	2.55	YES	HROFDY
A0000063	0	0.35227E-07	606162.6	4173296.0	126.8	10.98	70.26	9.10	0.00	2.55	YES	HROFDY
A0000064	0	0.35227E-07	606232.2	4173296.0	127.4	10.98	27.60	9.10	8.13	2.55	YES	HROFDY
A0000065	0	0.35227E-07	606259.4	4173292.1	127.8	10.98	59.36	9.10	9.46	2.55	YES	HROFDY
A0000066	0	0.35227E-07	606317.7	4173282.4	128.7	10.98	81.42	9.10	13.87	2.55	YES	HROFDY
A0000067	0	0.35227E-07	606396.7	4173262.9	130.3	10.98	81.42	9.10	13.87	2.55	YES	HROFDY
A0000068	0	0.35227E-07	606475.7	4173243.4	131.9	10.98	61.30	9.10	13.82	2.55	YES	HROFDY
A0000069	0	0.35227E-07	606535.3	4173228.8	132.9	10.98	61.30	9.10	13.82	2.55	YES	HROFDY
A0000070	0	0.35227E-07	606594.6	4173214.2	133.3	10.98	54.96	9.10	16.50	2.55	YES	HROFDY
A0000071	0	0.35227E-07	606647.6	4173198.5	133.5	10.98	51.87	9.10	11.94	2.55	YES	HROFDY
A0000072	0	0.35227E-07	606698.4	4173187.7	133.7	10.98	51.87	9.10	11.94	2.55	YES	HROFDY
A0000073	0	0.35227E-07	606749.4	4173177.0	133.9	10.98	63.21	9.10	8.88	2.55	YES	HROFDY
A0000074	0	0.35227E-07	606812.4	4173167.2	134.1	10.98	72.24	9.10	1.55	2.55	YES	HROFDY
A0000075	0	0.35227E-07	606884.9	4173165.2	134.2	10.98	68.34	9.10	-1.64	2.55	YES	HROFDY
A0000076	0	0.35227E-07	606953.6	4173167.2	134.4	10.98	52.17	9.10	-7.52	2.55	YES	HROFDY
A0000077	0	0.35227E-07	607005.3	4173174.0	134.5	10.98	52.17	9.10	-7.52	2.55	YES	HROFDY
A0000078	0	0.35227E-07	607057.0	4173180.8	134.9	10.98	80.61	9.10	-6.95	2.55	YES	HROFDY
A0000079	0	0.35227E-07	607137.0	4173190.6	128.6	10.98	80.61	9.10	-6.95	2.55	YES	HROFDY
A0000080	0	0.35227E-07	607217.1	4173200.4	137.2	10.98	80.61	9.10	-6.95	2.55	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000081	0	0.35227E-07	607297.1	4173210.1	138.5	10.98	90.45	9.10	-7.02	2.55	YES	HROFDY
A0000082	0	0.35227E-07	607386.9	4173221.2	140.0	10.98	90.45	9.10	-7.02	2.55	YES	HROFDY
A0000083	0	0.35227E-07	607476.6	4173232.2	141.3	10.98	90.45	9.10	-7.02	2.55	YES	HROFDY
A0000084	0	0.35227E-07	607566.6	4173243.3	142.8	10.98	89.20	9.10	-10.08	2.55	YES	HROFDY
A0000085	0	0.35227E-07	607654.3	4173258.9	144.2	10.98	64.96	9.10	-7.48	2.55	YES	HROFDY
A0000086	0	0.35227E-07	607718.7	4173267.4	145.3	10.98	64.96	9.10	-7.48	2.55	YES	HROFDY
A0000087	0	0.35227E-07	607783.1	4173275.8	146.3	10.98	64.96	9.10	-7.48	2.55	YES	HROFDY
A0000088	0	0.35227E-07	607847.5	4173284.3	147.1	10.98	45.27	9.10	-7.43	2.55	YES	HROFDY
A0000089	0	0.35227E-07	607892.5	4173290.2	147.6	10.98	58.40	9.10	-9.62	2.55	YES	HROFDY
A0000090	0	0.35227E-07	607950.1	4173299.9	147.8	10.98	58.40	9.10	-9.62	2.55	YES	HROFDY
A0000091	0	0.35227E-07	608007.8	4173309.7	147.6	10.98	47.66	9.10	-10.62	2.55	YES	HROFDY
A0000092	0	0.35227E-07	608054.6	4173318.5	147.2	10.98	47.66	9.10	-10.62	2.55	YES	HROFDY
A0000093	0	0.35227E-07	608101.7	4173327.3	140.4	10.98	66.27	9.10	-13.63	2.55	YES	HROFDY
A0000094	0	0.35227E-07	608166.1	4173342.9	146.6	10.98	66.27	9.10	-13.63	2.55	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	A0000001 , A0000002 , A0000003 , A0000004 , A0000005 , A0000006 , A0000007 , A0000008 ,
	A0000009 , A0000010 , A0000011 , A0000012 , A0000013 , A0000014 , A0000015 , A0000016 ,
	A0000017 , A0000018 , A0000019 , A0000020 , A0000021 , A0000022 , A0000023 , A0000024 ,
	A0000025 , A0000026 , A0000027 , A0000028 , A0000029 , A0000030 , A0000031 , A0000032 ,
	A0000033 , A0000034 , A0000035 , A0000036 , A0000037 , A0000038 , A0000039 , A0000040 ,
	A0000041 , A0000042 , A0000043 , A0000044 , A0000045 , A0000046 , A0000047 , A0000048 ,
	A0000049 , A0000050 , A0000051 , A0000052 , A0000053 , A0000054 , A0000055 , A0000056 ,
	A0000057 , A0000058 , A0000059 , A0000060 , A0000061 , A0000062 , A0000063 , A0000064 ,
	A0000065 , A0000066 , A0000067 , A0000068 , A0000069 , A0000070 , A0000071 , A0000072 ,
	A0000073 , A0000074 , A0000075 , A0000076 , A0000077 , A0000078 , A0000079 , A0000080 ,
	A0000081 , A0000082 , A0000083 , A0000084 , A0000085 , A0000086 , A0000087 , A0000088 ,
	A0000089 , A0000090 , A0000091 , A0000092 , A0000093 , A0000094 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	4656000.	A0000001 , A0000002 , A0000003 , A0000004 , A0000005 , A0000006 , A0000007 , A0000008 ,
		A0000009 , A0000010 , A0000011 , A0000012 , A0000013 , A0000014 , A0000015 , A0000016 ,
		A0000017 , A0000018 , A0000019 , A0000020 , A0000021 , A0000022 , A0000023 , A0000024 ,
		A0000025 , A0000026 , A0000027 , A0000028 , A0000029 , A0000030 , A0000031 , A0000032 ,
		A0000033 , A0000034 , A0000035 , A0000036 , A0000037 , A0000038 , A0000039 , A0000040 ,
		A0000041 , A0000042 , A0000043 , A0000044 , A0000045 , A0000046 , A0000047 , A0000048 ,
		A0000049 , A0000050 , A0000051 , A0000052 , A0000053 , A0000054 , A0000055 , A0000056 ,
		A0000057 , A0000058 , A0000059 , A0000060 , A0000061 , A0000062 , A0000063 , A0000064 ,
		A0000065 , A0000066 , A0000067 , A0000068 , A0000069 , A0000070 , A0000071 , A0000072 ,
		A0000073 , A0000074 , A0000075 , A0000076 , A0000077 , A0000078 , A0000079 , A0000080 ,
		A0000081 , A0000082 , A0000083 , A0000084 , A0000085 , A0000086 , A0000087 , A0000088 ,
		A0000089 , A0000090 , A0000091 , A0000092 , A0000093 , A0000094 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000001 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000002 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000003 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000004 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000005 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000006 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000007 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000008 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000009 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000010 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000011 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000012 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000013 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000014 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000015 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000016 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000017 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000018 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000019 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000020 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000021 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000022 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000023 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000024 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000025 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000026 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000027 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000028 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000029 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000030 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000031 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000032 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000033 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000034 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000035 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000036 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000037 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000038 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000039 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000040 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SOURCE ID = A0000041 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = A0000042 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = A0000043 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = A0000044 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = A0000045 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000046 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000047 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000048 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000049 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000050 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000051 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000052 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000053 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000054 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000055 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000056 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000057 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000058 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000059 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000060 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000061 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000062 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000063 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000064 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000065 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000066 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000067 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000068 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000069 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000070 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000071 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000072 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000073 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000074 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000075 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000076 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000077 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000078 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000079 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000080 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000081 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000082 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000083 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000084 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000085 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000086 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000087 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000088 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000089 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000090 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000091 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000092 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000093 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000094 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	606326.4,	4172978.1,	130.6,	130.6,	0.0);	(	606326.4,	4172978.1,	130.6,	130.6,	0.0);
(	606351.4,	4172978.1,	131.2,	131.2,	0.0);	(	606376.4,	4172978.1,	131.5,	131.5,	0.0);
(	606401.4,	4172978.1,	131.1,	131.1,	0.0);	(	606426.4,	4172978.1,	131.2,	131.2,	0.0);
(	606451.4,	4172978.1,	131.3,	131.3,	0.0);	(	606476.4,	4172978.1,	131.3,	131.3,	0.0);
(	606501.4,	4172978.1,	130.9,	130.9,	0.0);	(	606526.4,	4172978.1,	131.3,	131.3,	0.0);
(	606551.4,	4172978.1,	131.4,	131.4,	0.0);	(	606576.4,	4172978.1,	131.8,	131.8,	0.0);
(	606601.4,	4172978.1,	131.9,	131.9,	0.0);	(	606651.4,	4172978.1,	132.1,	132.1,	0.0);
(	606676.4,	4172978.1,	132.3,	132.3,	0.0);	(	606701.4,	4172978.1,	132.6,	132.6,	0.0);
(	606726.4,	4172978.1,	133.0,	133.0,	0.0);	(	606751.4,	4172978.1,	133.4,	133.4,	0.0);
(	606776.4,	4172978.1,	133.6,	133.6,	0.0);	(	606801.4,	4172978.1,	134.0,	134.0,	0.0);
(	606826.4,	4172978.1,	134.3,	134.3,	0.0);	(	606326.4,	4173003.1,	130.5,	130.5,	0.0);
(	606351.4,	4173003.1,	131.1,	131.1,	0.0);	(	606376.4,	4173003.1,	131.5,	131.5,	0.0);
(	606401.4,	4173003.1,	131.0,	131.0,	0.0);	(	606426.4,	4173003.1,	131.2,	131.2,	0.0);
(	606451.4,	4173003.1,	131.1,	131.1,	0.0);	(	606476.4,	4173003.1,	131.3,	131.3,	0.0);
(	606501.4,	4173003.1,	131.3,	131.3,	0.0);	(	606526.4,	4173003.1,	131.2,	131.2,	0.0);
(	606576.4,	4173003.1,	131.5,	131.5,	0.0);	(	606601.4,	4173003.1,	131.8,	131.8,	0.0);
(	606651.4,	4173003.1,	132.2,	132.2,	0.0);	(	606676.4,	4173003.1,	132.3,	132.3,	0.0);
(	606701.4,	4173003.1,	132.7,	132.7,	0.0);	(	606726.4,	4173003.1,	133.1,	133.1,	0.0);
(	606751.4,	4173003.1,	133.5,	133.5,	0.0);	(	606776.4,	4173003.1,	133.7,	133.7,	0.0);
(	606801.4,	4173003.1,	134.2,	134.2,	0.0);	(	606326.4,	4173028.1,	130.4,	130.4,	0.0);
(	606351.4,	4173028.1,	130.9,	130.9,	0.0);	(	606376.4,	4173028.1,	131.3,	131.3,	0.0);
(	606401.4,	4173028.1,	131.0,	131.0,	0.0);	(	606426.4,	4173028.1,	131.5,	131.5,	0.0);
(	606451.4,	4173028.1,	131.5,	131.5,	0.0);	(	606476.4,	4173028.1,	131.6,	131.6,	0.0);
(	606501.4,	4173028.1,	131.6,	131.6,	0.0);	(	606526.4,	4173028.1,	131.6,	131.6,	0.0);
(	606576.4,	4173028.1,	131.6,	131.6,	0.0);	(	606601.4,	4173028.1,	131.8,	131.8,	0.0);
(	606651.4,	4173028.1,	132.4,	132.4,	0.0);	(	606676.4,	4173028.1,	132.5,	132.5,	0.0);
(	606701.4,	4173028.1,	132.8,	132.8,	0.0);	(	606726.4,	4173028.1,	133.2,	133.2,	0.0);
(	606751.4,	4173028.1,	133.7,	133.7,	0.0);	(	606776.4,	4173028.1,	133.8,	133.8,	0.0);
(	606326.4,	4173053.1,	130.3,	130.3,	0.0);	(	606351.4,	4173053.1,	130.8,	130.8,	0.0);
(	606376.4,	4173053.1,	131.1,	131.1,	0.0);	(	606401.4,	4173053.1,	130.8,	130.8,	0.0);
(	606426.4,	4173053.1,	131.2,	131.2,	0.0);	(	606451.4,	4173053.1,	131.7,	131.7,	0.0);
(	606476.4,	4173053.1,	131.3,	131.3,	0.0);	(	606501.4,	4173053.1,	131.4,	131.4,	0.0);
(	606526.4,	4173053.1,	131.2,	131.2,	0.0);	(	606576.4,	4173053.1,	131.9,	131.9,	0.0);
(	606601.4,	4173053.1,	131.9,	131.9,	0.0);	(	606651.4,	4173053.1,	132.4,	132.4,	0.0);
(	606676.4,	4173053.1,	132.4,	132.4,	0.0);	(	606701.4,	4173053.1,	133.0,	133.0,	0.0);
(	606726.4,	4173053.1,	133.4,	133.4,	0.0);	(	606751.4,	4173053.1,	133.8,	133.8,	0.0);
(	606326.4,	4173078.1,	130.2,	130.2,	0.0);	(	606351.4,	4173078.1,	130.6,	130.6,	0.0);
(	606376.4,	4173078.1,	130.9,	130.9,	0.0);	(	606401.4,	4173078.1,	130.5,	130.5,	0.0);
(	606426.4,	4173078.1,	131.1,	131.1,	0.0);	(	606451.4,	4173078.1,	131.6,	131.6,	0.0);
(	606476.4,	4173078.1,	131.0,	131.0,	0.0);	(	606501.4,	4173078.1,	131.2,	131.2,	0.0);
(	606526.4,	4173078.1,	131.7,	131.7,	0.0);	(	606576.4,	4173078.1,	131.8,	131.8,	0.0);
(	606601.4,	4173078.1,	132.0,	132.0,	0.0);	(	606651.4,	4173078.1,	132.6,	132.6,	0.0);
(	606676.4,	4173078.1,	132.7,	132.7,	0.0);	(	606701.4,	4173078.1,	133.1,	133.1,	0.0);
(	606726.4,	4173078.1,	133.5,	133.5,	0.0);	(	606326.4,	4173103.1,	130.1,	130.1,	0.0);
(	606351.4,	4173103.1,	130.6,	130.6,	0.0);	(	606376.4,	4173103.1,	130.6,	130.6,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(606401.4, 4173103.1,	130.3,	130.3,	0.0);	(606426.4, 4173103.1,	131.0,	131.0,	0.0);
(606451.4, 4173103.1,	131.7,	131.7,	0.0);	(606476.4, 4173103.1,	131.6,	131.6,	0.0);
(606501.4, 4173103.1,	131.7,	131.7,	0.0);	(606526.4, 4173103.1,	131.9,	131.9,	0.0);
(606576.4, 4173103.1,	131.9,	131.9,	0.0);	(606601.4, 4173103.1,	132.3,	132.3,	0.0);
(606651.4, 4173103.1,	132.8,	132.8,	0.0);	(606676.4, 4173103.1,	132.8,	132.8,	0.0);
(606701.4, 4173103.1,	133.2,	133.2,	0.0);	(606326.4, 4173128.1,	130.0,	130.0,	0.0);
(606351.4, 4173128.1,	130.2,	130.2,	0.0);	(606376.4, 4173128.1,	130.1,	130.1,	0.0);
(606401.4, 4173128.1,	130.1,	130.1,	0.0);	(606426.4, 4173128.1,	130.6,	130.6,	0.0);
(606451.4, 4173128.1,	131.0,	131.0,	0.0);	(606476.4, 4173128.1,	131.1,	131.1,	0.0);
(606501.4, 4173128.1,	131.3,	131.3,	0.0);	(606651.4, 4173128.1,	132.9,	132.9,	0.0);
(606326.4, 4173153.1,	129.8,	129.8,	0.0);	(606351.4, 4173153.1,	129.9,	129.9,	0.0);
(606376.4, 4173153.1,	129.9,	129.9,	0.0);	(606401.4, 4173153.1,	129.9,	129.9,	0.0);
(606426.4, 4173153.1,	130.3,	130.3,	0.0);	(606451.4, 4173153.1,	130.5,	130.5,	0.0);
(606608.0, 4173140.0,	132.7,	132.7,	0.0);	(606577.0, 4173126.0,	131.7,	131.7,	0.0);
(606532.0, 4173120.0,	131.9,	131.9,	0.0);	(606267.0, 4173431.0,	131.7,	131.7,	0.0);
(606280.0, 4173487.0,	133.4,	133.4,	0.0);	(606272.0, 4173530.0,	134.6,	134.6,	0.0);
(606273.0, 4173570.0,	135.7,	135.7,	0.0);	(606316.7, 4173425.8,	131.7,	131.7,	0.0);
(606366.5, 4173420.5,	132.2,	132.2,	0.0);	(606416.2, 4173415.3,	133.2,	133.2,	0.0);
(606465.9, 4173410.1,	133.2,	133.2,	0.0);	(606515.6, 4173404.9,	134.2,	134.2,	0.0);
(606565.4, 4173399.6,	135.0,	135.0,	0.0);	(606329.7, 4173481.8,	133.2,	133.2,	0.0);
(606379.5, 4173476.5,	133.8,	133.8,	0.0);	(606429.2, 4173471.3,	134.3,	134.3,	0.0);
(606478.9, 4173466.1,	135.0,	135.0,	0.0);	(606528.6, 4173460.9,	135.6,	135.6,	0.0);
(606578.4, 4173455.6,	136.5,	136.5,	0.0);	(606321.7, 4173524.8,	134.5,	134.5,	0.0);
(606371.5, 4173519.5,	134.9,	134.9,	0.0);	(606421.2, 4173514.3,	135.5,	135.5,	0.0);
(606470.9, 4173509.1,	136.0,	136.0,	0.0);	(606520.6, 4173503.9,	136.5,	136.5,	0.0);
(606570.4, 4173498.6,	137.3,	137.3,	0.0);	(606322.7, 4173564.8,	136.0,	136.0,	0.0);
(606372.5, 4173559.5,	136.1,	136.1,	0.0);	(606422.2, 4173554.3,	136.8,	136.8,	0.0);
(606471.9, 4173549.1,	137.4,	137.4,	0.0);	(606521.6, 4173543.9,	136.9,	136.9,	0.0);
(606571.4, 4173538.6,	138.5,	138.5,	0.0);				

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

```
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\..\..\..\metdata\AQMD\724927_Livermore\724927.SFC Met Version: 14134
Profile file: ..\..\..\..\metdata\AQMD\724927_Livermore\724927.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23285 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2009 Year: 2009

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
09	01	01	1	01	-12.6	0.221	-9.000	-9.000	-999.	250.	77.5	0.11	0.90	1.00	2.86	51.	10.0	279.2	2.0
09	01	01	1	02	-23.5	0.413	-9.000	-9.000	-999.	637.	269.8	0.11	0.90	1.00	4.86	48.	10.0	279.2	2.0
09	01	01	1	03	-11.1	0.195	-9.000	-9.000	-999.	254.	59.8	0.07	0.90	1.00	2.86	94.	10.0	278.8	2.0
09	01	01	1	04	-9.5	0.166	-9.000	-9.000	-999.	164.	43.7	0.11	0.90	1.00	2.36	53.	10.0	278.1	2.0
09	01	01	1	05	-11.1	0.195	-9.000	-9.000	-999.	206.	59.6	0.07	0.90	1.00	2.86	63.	10.0	278.1	2.0
09	01	01	1	06	-8.2	0.143	-9.000	-9.000	-999.	131.	32.3	0.07	0.90	1.00	2.36	72.	10.0	278.1	2.0
09	01	01	1	07	-8.2	0.143	-9.000	-9.000	-999.	130.	32.3	0.07	0.90	1.00	2.36	75.	10.0	278.1	2.0
09	01	01	1	08	-4.1	0.078	-9.000	-9.000	-999.	53.	10.3	0.11	0.90	0.75	1.76	13.	10.0	277.5	2.0
09	01	01	1	09	-6.3	0.246	-9.000	-9.000	-999.	292.	211.6	0.12	0.90	0.40	2.86	347.	10.0	278.1	2.0
09	01	01	1	10	6.6	0.303	0.261	0.016	96.	401.	-378.3	0.11	0.90	0.27	3.36	51.	10.0	278.8	2.0
09	01	01	1	11	15.4	0.317	0.422	0.017	176.	429.	-186.8	0.07	0.90	0.23	3.86	94.	10.0	279.9	2.0
09	01	01	1	12	47.5	0.448	0.742	0.017	309.	720.	-170.5	0.11	0.90	0.22	4.86	56.	10.0	280.9	2.0
09	01	01	1	13	49.0	0.405	0.820	0.014	403.	621.	-122.0	0.07	0.90	0.21	4.86	63.	10.0	281.4	2.0
09	01	01	1	14	42.7	0.405	0.809	0.014	444.	619.	-139.5	0.11	0.90	0.22	4.36	59.	10.0	282.0	2.0
09	01	01	1	15	60.8	0.372	0.922	0.014	463.	545.	-75.6	0.07	0.90	0.25	4.36	72.	10.0	281.4	2.0
09	01	01	1	16	14.1	0.309	0.569	0.016	467.	414.	-187.5	0.11	0.90	0.34	3.36	54.	10.0	282.0	2.0
09	01	01	1	17	-30.4	0.311	-9.000	-9.000	-999.	417.	89.1	0.07	0.90	0.58	4.36	61.	10.0	280.4	2.0
09	01	01	1	18	-27.0	0.239	-9.000	-9.000	-999.	282.	45.2	0.11	0.90	1.00	3.36	47.	10.0	279.9	2.0
09	01	01	1	19	-14.9	0.131	-9.000	-9.000	-999.	120.	13.7	0.07	0.90	1.00	2.86	64.	10.0	279.2	2.0
09	01	01	1	20	-5.8	0.078	-9.000	-9.000	-999.	53.	7.3	0.11	0.90	1.00	1.76	47.	10.0	278.8	2.0
09	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	0.90	1.00	0.00	0.	10.0	277.5	2.0
09	01	01	1	22	-4.9	0.070	-9.000	-9.000	-999.	44.	6.2	0.07	0.90	1.00	1.76	82.	10.0	276.4	2.0
09	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	0.90	1.00	0.00	0.	10.0	277.0	2.0
09	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	0.90	1.00	0.00	0.	10.0	277.0	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
09	01	01	01	10.0	1	51.	2.86	279.3	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
606326.42	4172978.07	0.00127	606326.42	4172978.07	0.00127
606351.42	4172978.07	0.00129	606376.42	4172978.07	0.00130
606401.42	4172978.07	0.00132	606426.42	4172978.07	0.00133
606451.42	4172978.07	0.00135	606476.42	4172978.07	0.00137
606501.42	4172978.07	0.00138	606526.42	4172978.07	0.00140
606551.42	4172978.07	0.00142	606576.42	4172978.07	0.00144
606601.42	4172978.07	0.00146	606651.42	4172978.07	0.00150
606676.42	4172978.07	0.00152	606701.42	4172978.07	0.00154
606726.42	4172978.07	0.00156	606751.42	4172978.07	0.00157
606776.42	4172978.07	0.00159	606801.42	4172978.07	0.00161
606826.42	4172978.07	0.00162	606326.42	4173003.07	0.00137
606351.42	4173003.07	0.00139	606376.42	4173003.07	0.00141
606401.42	4173003.07	0.00142	606426.42	4173003.07	0.00144
606451.42	4173003.07	0.00146	606476.42	4173003.07	0.00148
606501.42	4173003.07	0.00150	606526.42	4173003.07	0.00153
606576.42	4173003.07	0.00158	606601.42	4173003.07	0.00160
606651.42	4173003.07	0.00166	606676.42	4173003.07	0.00168
606701.42	4173003.07	0.00171	606726.42	4173003.07	0.00174
606751.42	4173003.07	0.00177	606776.42	4173003.07	0.00179
606801.42	4173003.07	0.00181	606326.42	4173028.07	0.00148
606351.42	4173028.07	0.00150	606376.42	4173028.07	0.00152
606401.42	4173028.07	0.00154	606426.42	4173028.07	0.00156
606451.42	4173028.07	0.00159	606476.42	4173028.07	0.00161
606501.42	4173028.07	0.00164	606526.42	4173028.07	0.00167
606576.42	4173028.07	0.00174	606601.42	4173028.07	0.00177
606651.42	4173028.07	0.00185	606676.42	4173028.07	0.00189
606701.42	4173028.07	0.00192	606726.42	4173028.07	0.00196
606751.42	4173028.07	0.00200	606776.42	4173028.07	0.00203
606326.42	4173053.07	0.00160	606351.42	4173053.07	0.00163
606376.42	4173053.07	0.00165	606401.42	4173053.07	0.00167
606426.42	4173053.07	0.00170	606451.42	4173053.07	0.00173
606476.42	4173053.07	0.00176	606501.42	4173053.07	0.00180
606526.42	4173053.07	0.00184	606576.42	4173053.07	0.00193
606601.42	4173053.07	0.00197	606651.42	4173053.07	0.00208
606676.42	4173053.07	0.00213	606701.42	4173053.07	0.00219
606726.42	4173053.07	0.00224	606751.42	4173053.07	0.00230
606326.42	4173078.07	0.00174	606351.42	4173078.07	0.00177
606376.42	4173078.07	0.00180	606401.42	4173078.07	0.00182
606426.42	4173078.07	0.00186	606451.42	4173078.07	0.00190
606476.42	4173078.07	0.00193	606501.42	4173078.07	0.00198

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
606526.42	4173078.07	0.00203	606576.42	4173078.07	0.00215
606601.42	4173078.07	0.00222	606651.42	4173078.07	0.00236
606676.42	4173078.07	0.00244	606701.42	4173078.07	0.00252
606726.42	4173078.07	0.00260	606326.42	4173103.07	0.00191
606351.42	4173103.07	0.00194	606376.42	4173103.07	0.00197
606401.42	4173103.07	0.00200	606426.42	4173103.07	0.00204
606451.42	4173103.07	0.00209	606476.42	4173103.07	0.00214
606501.42	4173103.07	0.00220	606526.42	4173103.07	0.00227
606576.42	4173103.07	0.00243	606601.42	4173103.07	0.00252
606651.42	4173103.07	0.00272	606676.42	4173103.07	0.00282
606701.42	4173103.07	0.00295	606326.42	4173128.07	0.00210
606351.42	4173128.07	0.00213	606376.42	4173128.07	0.00217
606401.42	4173128.07	0.00221	606426.42	4173128.07	0.00226
606451.42	4173128.07	0.00232	606476.42	4173128.07	0.00239
606501.42	4173128.07	0.00247	606651.42	4173128.07	0.00319
606326.42	4173153.07	0.00234	606351.42	4173153.07	0.00238
606376.42	4173153.07	0.00242	606401.42	4173153.07	0.00248
606426.42	4173153.07	0.00254	606451.42	4173153.07	0.00262
606608.00	4173140.00	0.00318	606577.00	4173126.00	0.00274
606532.00	4173120.00	0.00248	606267.00	4173431.00	0.00128
606280.00	4173487.00	0.00094	606272.00	4173530.00	0.00078
606273.00	4173570.00	0.00066	606316.73	4173425.77	0.00131
606366.45	4173420.55	0.00133	606416.18	4173415.32	0.00132
606465.90	4173410.09	0.00133	606515.63	4173404.87	0.00131
606565.36	4173399.64	0.00129	606329.73	4173481.77	0.00097
606379.45	4173476.55	0.00098	606429.18	4173471.32	0.00099
606478.90	4173466.09	0.00098	606528.63	4173460.87	0.00098
606578.36	4173455.64	0.00097	606321.73	4173524.77	0.00080
606371.45	4173519.55	0.00081	606421.18	4173514.32	0.00082
606470.90	4173509.09	0.00082	606520.63	4173503.87	0.00082
606570.36	4173498.64	0.00082	606322.73	4173564.77	0.00068
606372.45	4173559.55	0.00069	606422.18	4173554.32	0.00069
606471.90	4173549.09	0.00070	606521.63	4173543.87	0.00071
606571.36	4173538.64	0.00070			

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00319	AT (606651.42, 4173128.07, 132.85, 132.85, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00318	AT (606608.00, 4173140.00, 132.70, 132.70, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00295	AT (606701.42, 4173103.07, 133.24, 133.24, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00282	AT (606676.42, 4173103.07, 132.75, 132.75, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00274	AT (606577.00, 4173126.00, 131.68, 131.68, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00272	AT (606651.42, 4173103.07, 132.76, 132.76, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00262	AT (606451.42, 4173153.07, 130.49, 130.49, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00260	AT (606726.42, 4173078.07, 133.51, 133.51, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00254	AT (606426.42, 4173153.07, 130.29, 130.29, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00252	AT (606601.42, 4173103.07, 132.27, 132.27, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   1 Warning Message(s)
A Total of   15235 Informational Message(s)

A Total of   43872 Hours Were Processed

A Total of   13448 Calm Hours Identified

A Total of   1787 Missing Hours Identified (4.07 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
MX W481   43873   MAIN: Data Remaining After End of Year. Number of Hours=   48

   ****
   *** AERMOD Finishes Successfully ***
   ****

```
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE Valley Link: Tri-Valley Segment Section 3, 2025 Annual Operation DPM
   MODELOPT CONC FASTAREA
   AVERTIME ANNUAL
   URBANOPT 4656000 Other_Bay_Area
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL Tri-Valley_S3_operation_2025_DPM.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = TRIVAL_S3_D
** DESCRSRC Tri-Valley Segment Section 3, Day Time
** PREFIX
** Length of Side = 9.10
** Ratio = 10
** Vertical Dimension = 1.37
** Emission Rate = 2.8979E-08
** Nodes = 35
** 610591.362, 4173537.570, 158.57, 5.87
** 610680.067, 4173539.633, 159.84, 5.87
** 610737.828, 4173535.507, 160.43, 5.87
** 610807.966, 4173537.570, 161.55, 5.87
** 610859.539, 4173539.633, 162.11, 5.87
** 610933.803, 4173547.884, 162.01, 5.87
** 611014.256, 4173556.136, 161.38, 5.87
** 611069.954, 4173572.639, 161.07, 5.87
** 611125.652, 4173591.205, 160.33, 5.87
** 611220.546, 4173618.023, 159.94, 5.87
** 611296.873, 4173648.966, 159.92, 5.87
** 611354.634, 4173673.721, 159.91, 5.87
** 611428.898, 4173714.979, 159.89, 5.87
** 611488.722, 4173750.048, 160.20, 5.87
** 611587.741, 4173803.683, 160.26, 5.87
** 611738.332, 4173884.136, 160.62, 5.87
** 611872.421, 4173960.463, 161.11, 5.87
** 611963.188, 4174009.973, 161.36, 5.87
** 612018.886, 4174038.853, 161.57, 5.87
** 612074.584, 4174067.734, 161.76, 5.87
** 612165.352, 4174119.306, 162.11, 5.87
** 612239.616, 4174158.501, 162.40, 5.87
** 612324.195, 4174203.885, 162.57, 5.87
** 612410.836, 4174249.269, 163.05, 5.87
** 612528.421, 4174321.470, 163.43, 5.87
** 612660.447, 4174391.609, 164.01, 5.87
** 612757.403, 4174447.307, 164.21, 5.87
** 612860.548, 4174500.942, 164.55, 5.87
** 612980.196, 4174564.892, 164.82, 5.87
** 613058.586, 4174608.213, 165.06, 5.87
** 613145.227, 4174653.596, 165.76, 5.87
** 613258.686, 4174719.609, 166.43, 5.87
** 613365.957, 4174777.370, 167.20, 5.87
** 613467.039, 4174837.194, 167.88, 5.87
** 613621.756, 4174917.647, 169.11, 5.87
** ------------------------------------------------------------------------
   LOCATION A0000001     AREA     610591.468 4173533.021 158.55
   LOCATION A0000002     AREA     610679.743 4173535.094 159.78
   LOCATION A0000003     AREA     610737.962 4173530.959 160.51
   LOCATION A0000004     AREA     610808.148 4173533.023 161.58
   LOCATION A0000005     AREA     610860.041 4173535.111 162.11
   LOCATION A0000006     AREA     610934.267 4173543.358 162.03
   LOCATION A0000007     AREA     611015.549 4173551.773 161.44
   LOCATION A0000008     AREA     611071.393 4173568.323 161.09
   LOCATION A0000009     AREA     611126.890 4173586.827 160.39
   LOCATION A0000010     AREA     611174.336 4173600.235 160.25
   LOCATION A0000011     AREA     611222.255 4173613.806 159.92
   LOCATION A0000012     AREA     611298.665 4173644.784 159.92
   LOCATION A0000013     AREA     611356.843 4173669.744 159.99
   LOCATION A0000014     AREA     611431.199 4173711.054 160.08
   LOCATION A0000015     AREA     611490.889 4173746.047 160.24
   LOCATION A0000016     AREA     611540.399 4173772.865 160.38
   LOCATION A0000017     AREA     611589.885 4173799.670 160.34
   LOCATION A0000018     AREA     611665.181 4173839.897 160.48
   LOCATION A0000019     AREA     611740.583 4173880.182 160.64
   LOCATION A0000020     AREA     611807.627 4173918.346 160.93
   LOCATION A0000021     AREA     611874.599 4173956.469 161.11
   LOCATION A0000022     AREA     611919.983 4173981.224 161.26
   LOCATION A0000023     AREA     611965.282 4174005.934 161.40
   LOCATION A0000024     AREA     612020.981 4174034.814 161.60
   LOCATION A0000025     AREA     612076.832 4174063.778 161.79
   LOCATION A0000026     AREA     612122.216 4174089.564 162.00
```

```
   LOCATION A0000027     AREA     612167.476 4174115.282 162.13
   LOCATION A0000028     AREA     612241.767 4174154.492 162.40
   LOCATION A0000029     AREA     612284.057 4174177.184 162.49
   LOCATION A0000030     AREA     612326.306 4174199.855 162.63
   LOCATION A0000031     AREA     612369.627 4174222.546 162.85
   LOCATION A0000032     AREA     612413.217 4174245.391 163.07
   LOCATION A0000033     AREA     612472.010 4174281.492 163.25
   LOCATION A0000034     AREA     612530.556 4174317.452 163.46
   LOCATION A0000035     AREA     612596.569 4174352.521 163.80
   LOCATION A0000036     AREA     612662.713 4174387.663 164.05
   LOCATION A0000037     AREA     612711.191 4174415.512 164.15
   LOCATION A0000038     AREA     612759.502 4174443.270 164.25
   LOCATION A0000039     AREA     612811.074 4174470.088 164.46
   LOCATION A0000040     AREA     612862.692 4174496.929 164.52
   LOCATION A0000041     AREA     612922.516 4174528.904 164.74
   LOCATION A0000042     AREA     612982.396 4174560.910 164.86
   LOCATION A0000043     AREA     613060.697 4174604.182 165.08
   LOCATION A0000044     AREA     613104.018 4174626.874 165.34
   LOCATION A0000045     AREA     613147.515 4174649.664 165.75
   LOCATION A0000046     AREA     613204.245 4174682.670 166.09
   LOCATION A0000047     AREA     613260.844 4174715.603 166.45
   LOCATION A0000048     AREA     613314.479 4174744.483 166.85
   LOCATION A0000049     AREA     613368.274 4174773.454 167.23
   LOCATION A0000050     AREA     613418.815 4174803.366 167.65
   LOCATION A0000051     AREA     613469.138 4174833.157 167.89
   LOCATION A0000052     AREA     613546.497 4174873.384 168.48
** End of LINE AREA Source ID = TRIVAL_S3_D
** ----------------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = TRIVAL_S3_N
** DESCRSRC Tri-Valley Segment Section 3, Night Time
** PREFIX
** Length of Side = 9.10
** Ratio = 10
** Vertical Dimension = 2.55
** Emission Rate = 2.8979E-08
** Nodes = 35
** 610591.362, 4173537.570, 158.57, 10.98
** 610680.067, 4173539.633, 159.84, 10.98
** 610737.828, 4173535.507, 160.43, 10.98
** 610807.966, 4173537.570, 161.55, 10.98
** 610859.539, 4173539.633, 162.11, 10.98
** 610933.803, 4173547.884, 162.01, 10.98
** 611014.256, 4173556.136, 161.38, 10.98
** 611069.954, 4173572.639, 161.07, 10.98
** 611125.652, 4173591.205, 160.33, 10.98
** 611220.546, 4173618.023, 159.94, 10.98
** 611296.873, 4173648.966, 159.92, 10.98
** 611354.634, 4173673.721, 159.91, 10.98
** 611428.898, 4173714.979, 159.89, 10.98
** 611488.722, 4173750.048, 160.20, 10.98
** 611587.741, 4173803.683, 160.26, 10.98
** 611738.332, 4173884.136, 160.62, 10.98
** 611872.421, 4173960.463, 161.11, 10.98
** 611963.188, 4174009.973, 161.36, 10.98
** 612018.886, 4174038.853, 161.57, 10.98
** 612074.584, 4174067.734, 161.76, 10.98
** 612165.352, 4174119.306, 162.11, 10.98
** 612239.616, 4174158.501, 162.40, 10.98
** 612324.195, 4174203.885, 162.57, 10.98
** 612410.836, 4174249.269, 163.05, 10.98
** 612528.421, 4174321.470, 163.43, 10.98
** 612660.447, 4174391.609, 164.01, 10.98
** 612757.403, 4174447.307, 164.21, 10.98
** 612860.548, 4174500.942, 164.55, 10.98
** 612980.196, 4174564.892, 164.82, 10.98
** 613058.586, 4174608.213, 165.06, 10.98
** 613145.227, 4174653.596, 165.76, 10.98
** 613258.686, 4174719.609, 166.43, 10.98
** 613365.957, 4174777.370, 167.20, 10.98
** 613467.039, 4174837.194, 167.88, 10.98
** 613621.756, 4174917.647, 169.11, 10.98
** ----------------------------------------------------------------------
   LOCATION A0000053     AREA     610591.468 4173533.021 158.55
   LOCATION A0000054     AREA     610679.743 4173535.094 159.78
   LOCATION A0000055     AREA     610737.962 4173530.959 160.51
   LOCATION A0000056     AREA     610808.148 4173533.023 161.58
   LOCATION A0000057     AREA     610860.041 4173535.111 162.11
   LOCATION A0000058     AREA     610934.267 4173543.358 162.03
   LOCATION A0000059     AREA     611015.549 4173551.773 161.44
   LOCATION A0000060     AREA     611071.393 4173568.323 161.09
   LOCATION A0000061     AREA     611126.890 4173586.827 160.39
   LOCATION A0000062     AREA     611174.336 4173600.235 160.25
   LOCATION A0000063     AREA     611222.255 4173613.806 159.92
   LOCATION A0000064     AREA     611298.665 4173644.784 159.92
   LOCATION A0000065     AREA     611356.843 4173669.744 159.99
   LOCATION A0000066     AREA     611431.199 4173711.054 160.08
   LOCATION A0000067     AREA     611490.889 4173746.047 160.24
   LOCATION A0000068     AREA     611540.399 4173772.865 160.38
   LOCATION A0000069     AREA     611589.885 4173799.670 160.34
   LOCATION A0000070     AREA     611665.181 4173839.897 160.48
   LOCATION A0000071     AREA     611740.583 4173880.182 160.64
   LOCATION A0000072     AREA     611807.627 4173918.346 160.93
   LOCATION A0000073     AREA     611874.599 4173956.469 161.11
   LOCATION A0000074     AREA     611919.983 4173981.224 161.26
```

```
   LOCATION A0000075     AREA     611965.282 4174005.934 161.40
   LOCATION A0000076     AREA     612020.981 4174034.814 161.60
   LOCATION A0000077     AREA     612076.832 4174063.778 161.79
   LOCATION A0000078     AREA     612122.216 4174089.564 162.00
   LOCATION A0000079     AREA     612167.476 4174115.282 162.13
   LOCATION A0000080     AREA     612241.767 4174154.492 162.40
   LOCATION A0000081     AREA     612284.057 4174177.184 162.49
   LOCATION A0000082     AREA     612326.306 4174199.855 162.63
   LOCATION A0000083     AREA     612369.627 4174222.546 162.85
   LOCATION A0000084     AREA     612413.217 4174245.391 163.07
   LOCATION A0000085     AREA     612472.010 4174281.492 163.25
   LOCATION A0000086     AREA     612530.556 4174317.452 163.46
   LOCATION A0000087     AREA     612596.569 4174352.521 163.80
   LOCATION A0000088     AREA     612662.713 4174387.663 164.05
   LOCATION A0000089     AREA     612711.191 4174415.512 164.15
   LOCATION A0000090     AREA     612759.502 4174443.270 164.25
   LOCATION A0000091     AREA     612811.074 4174470.088 164.46
   LOCATION A0000092     AREA     612862.692 4174496.929 164.52
   LOCATION A0000093     AREA     612922.516 4174528.904 164.74
   LOCATION A0000094     AREA     612982.396 4174560.910 164.86
   LOCATION A0000095     AREA     613060.697 4174604.182 165.08
   LOCATION A0000096     AREA     613104.018 4174626.874 165.34
   LOCATION A0000097     AREA     613147.515 4174649.664 165.75
   LOCATION A0000098     AREA     613204.245 4174682.670 166.09
   LOCATION A0000099     AREA     613260.844 4174715.603 166.45
   LOCATION A0000100     AREA     613314.479 4174744.483 166.85
   LOCATION A0000101     AREA     613368.274 4174773.454 167.23
   LOCATION A0000102     AREA     613418.815 4174803.366 167.65
   LOCATION A0000103     AREA     613469.138 4174833.157 167.89
   LOCATION A0000104     AREA     613546.497 4174873.384 168.48
** End of LINE AREA Source ID = TRIVAL_S3_N
** Source Parameters **
** LINE AREA Source ID = TRIVAL_S3_D
   SRCPARAM A0000001     2.8979E-08     5.870    88.728     9.100    -1.332     1.370
   SRCPARAM A0000002     2.8979E-08     5.870    57.908     9.100     4.086     1.370
   SRCPARAM A0000003     2.8979E-08     5.870    70.169     9.100    -1.685     1.370
   SRCPARAM A0000004     2.8979E-08     5.870    51.614     9.100    -2.291     1.370
   SRCPARAM A0000005     2.8979E-08     5.870    74.721     9.100    -6.340     1.370
   SRCPARAM A0000006     2.8979E-08     5.870    80.875     9.100    -5.856     1.370
   SRCPARAM A0000007     2.8979E-08     5.870    58.092     9.100   -16.504     1.370
   SRCPARAM A0000008     2.8979E-08     5.870    58.711     9.100   -18.435     1.370
   SRCPARAM A0000009     2.8979E-08     5.870    49.305     9.100   -15.781     1.370
   SRCPARAM A0000010     2.8979E-08     5.870    49.305     9.100   -15.781     1.370
   SRCPARAM A0000011     2.8979E-08     5.870    82.361     9.100   -22.068     1.370
   SRCPARAM A0000012     2.8979E-08     5.870    62.842     9.100   -23.199     1.370
   SRCPARAM A0000013     2.8979E-08     5.870    84.955     9.100   -29.055     1.370
   SRCPARAM A0000014     2.8979E-08     5.870    69.345     9.100   -30.379     1.370
   SRCPARAM A0000015     2.8979E-08     5.870    56.306     9.100   -28.443     1.370
   SRCPARAM A0000016     2.8979E-08     5.870    56.306     9.100   -28.443     1.370
   SRCPARAM A0000017     2.8979E-08     5.870    85.367     9.100   -28.113     1.370
   SRCPARAM A0000018     2.8979E-08     5.870    85.367     9.100   -28.113     1.370
   SRCPARAM A0000019     2.8979E-08     5.870    77.145     9.100   -29.650     1.370
   SRCPARAM A0000020     2.8979E-08     5.870    77.145     9.100   -29.650     1.370
   SRCPARAM A0000021     2.8979E-08     5.870    51.696     9.100   -28.610     1.370
   SRCPARAM A0000022     2.8979E-08     5.870    51.696     9.100   -28.610     1.370
   SRCPARAM A0000023     2.8979E-08     5.870    62.741     9.100   -27.408     1.370
   SRCPARAM A0000024     2.8979E-08     5.870    62.741     9.100   -27.408     1.370
   SRCPARAM A0000025     2.8979E-08     5.870    52.198     9.100   -29.604     1.370
   SRCPARAM A0000026     2.8979E-08     5.870    52.198     9.100   -29.604     1.370
   SRCPARAM A0000027     2.8979E-08     5.870    83.973     9.100   -27.824     1.370
   SRCPARAM A0000028     2.8979E-08     5.870    47.993     9.100   -28.217     1.370
   SRCPARAM A0000029     2.8979E-08     5.870    47.993     9.100   -28.217     1.370
   SRCPARAM A0000030     2.8979E-08     5.870    48.904     9.100   -27.646     1.370
   SRCPARAM A0000031     2.8979E-08     5.870    48.904     9.100   -27.646     1.370
   SRCPARAM A0000032     2.8979E-08     5.870    68.991     9.100   -31.551     1.370
   SRCPARAM A0000033     2.8979E-08     5.870    68.991     9.100   -31.551     1.370
   SRCPARAM A0000034     2.8979E-08     5.870    74.750     9.100   -27.979     1.370
   SRCPARAM A0000035     2.8979E-08     5.870    74.750     9.100   -27.979     1.370
   SRCPARAM A0000036     2.8979E-08     5.870    55.908     9.100   -29.876     1.370
   SRCPARAM A0000037     2.8979E-08     5.870    55.908     9.100   -29.876     1.370
   SRCPARAM A0000038     2.8979E-08     5.870    58.128     9.100   -27.474     1.370
   SRCPARAM A0000039     2.8979E-08     5.870    58.128     9.100   -27.474     1.370
   SRCPARAM A0000040     2.8979E-08     5.870    67.833     9.100   -28.124     1.370
   SRCPARAM A0000041     2.8979E-08     5.870    67.833     9.100   -28.124     1.370
   SRCPARAM A0000042     2.8979E-08     5.870    89.564     9.100   -28.926     1.370
   SRCPARAM A0000043     2.8979E-08     5.870    48.904     9.100   -27.646     1.370
   SRCPARAM A0000044     2.8979E-08     5.870    48.904     9.100   -27.646     1.370
   SRCPARAM A0000045     2.8979E-08     5.870    65.633     9.100   -30.192     1.370
   SRCPARAM A0000046     2.8979E-08     5.870    65.633     9.100   -30.192     1.370
   SRCPARAM A0000047     2.8979E-08     5.870    60.917     9.100   -28.301     1.370
   SRCPARAM A0000048     2.8979E-08     5.870    60.917     9.100   -28.301     1.370
   SRCPARAM A0000049     2.8979E-08     5.870    58.729     9.100   -30.619     1.370
   SRCPARAM A0000050     2.8979E-08     5.870    58.729     9.100   -30.619     1.370
   SRCPARAM A0000051     2.8979E-08     5.870    87.192     9.100   -27.474     1.370
   SRCPARAM A0000052     2.8979E-08     5.870    87.192     9.100   -27.474     1.370
** ------------------------------------------------------------------
** LINE AREA Source ID = TRIVAL_S3_N
   SRCPARAM A0000053     2.8979E-08    10.980    88.728     9.100    -1.332     2.550
   SRCPARAM A0000054     2.8979E-08    10.980    57.908     9.100     4.086     2.550
   SRCPARAM A0000055     2.8979E-08    10.980    70.169     9.100    -1.685     2.550
   SRCPARAM A0000056     2.8979E-08    10.980    51.614     9.100    -2.291     2.550
   SRCPARAM A0000057     2.8979E-08    10.980    74.721     9.100    -6.340     2.550
   SRCPARAM A0000058     2.8979E-08    10.980    80.875     9.100    -5.856     2.550
   SRCPARAM A0000059     2.8979E-08    10.980    58.092     9.100   -16.504     2.550
   SRCPARAM A0000060     2.8979E-08    10.980    58.711     9.100   -18.435     2.550
```

```
   SRCPARAM A0000061     2.8979E-08    10.980    49.305     9.100   -15.781     2.550
   SRCPARAM A0000062     2.8979E-08    10.980    49.305     9.100   -15.781     2.550
   SRCPARAM A0000063     2.8979E-08    10.980    82.361     9.100   -22.068     2.550
   SRCPARAM A0000064     2.8979E-08    10.980    62.842     9.100   -23.199     2.550
   SRCPARAM A0000065     2.8979E-08    10.980    84.955     9.100   -29.055     2.550
   SRCPARAM A0000066     2.8979E-08    10.980    69.345     9.100   -30.379     2.550
   SRCPARAM A0000067     2.8979E-08    10.980    56.306     9.100   -28.443     2.550
   SRCPARAM A0000068     2.8979E-08    10.980    56.306     9.100   -28.443     2.550
   SRCPARAM A0000069     2.8979E-08    10.980    85.367     9.100   -28.113     2.550
   SRCPARAM A0000070     2.8979E-08    10.980    85.367     9.100   -28.113     2.550
   SRCPARAM A0000071     2.8979E-08    10.980    77.145     9.100   -29.650     2.550
   SRCPARAM A0000072     2.8979E-08    10.980    77.145     9.100   -29.650     2.550
   SRCPARAM A0000073     2.8979E-08    10.980    51.696     9.100   -28.610     2.550
   SRCPARAM A0000074     2.8979E-08    10.980    51.696     9.100   -28.610     2.550
   SRCPARAM A0000075     2.8979E-08    10.980    62.741     9.100   -27.408     2.550
   SRCPARAM A0000076     2.8979E-08    10.980    62.741     9.100   -27.408     2.550
   SRCPARAM A0000077     2.8979E-08    10.980    52.198     9.100   -29.604     2.550
   SRCPARAM A0000078     2.8979E-08    10.980    52.198     9.100   -29.604     2.550
   SRCPARAM A0000079     2.8979E-08    10.980    83.973     9.100   -27.824     2.550
   SRCPARAM A0000080     2.8979E-08    10.980    47.993     9.100   -28.217     2.550
   SRCPARAM A0000081     2.8979E-08    10.980    47.993     9.100   -28.217     2.550
   SRCPARAM A0000082     2.8979E-08    10.980    48.904     9.100   -27.646     2.550
   SRCPARAM A0000083     2.8979E-08    10.980    48.904     9.100   -27.646     2.550
   SRCPARAM A0000084     2.8979E-08    10.980    68.991     9.100   -31.551     2.550
   SRCPARAM A0000085     2.8979E-08    10.980    68.991     9.100   -31.551     2.550
   SRCPARAM A0000086     2.8979E-08    10.980    74.750     9.100   -27.979     2.550
   SRCPARAM A0000087     2.8979E-08    10.980    74.750     9.100   -27.979     2.550
   SRCPARAM A0000088     2.8979E-08    10.980    55.908     9.100   -29.876     2.550
   SRCPARAM A0000089     2.8979E-08    10.980    55.908     9.100   -29.876     2.550
   SRCPARAM A0000090     2.8979E-08    10.980    58.128     9.100   -27.474     2.550
   SRCPARAM A0000091     2.8979E-08    10.980    58.128     9.100   -27.474     2.550
   SRCPARAM A0000092     2.8979E-08    10.980    67.833     9.100   -28.124     2.550
   SRCPARAM A0000093     2.8979E-08    10.980    67.833     9.100   -28.124     2.550
   SRCPARAM A0000094     2.8979E-08    10.980    89.564     9.100   -28.926     2.550
   SRCPARAM A0000095     2.8979E-08    10.980    48.904     9.100   -27.646     2.550
   SRCPARAM A0000096     2.8979E-08    10.980    48.904     9.100   -27.646     2.550
   SRCPARAM A0000097     2.8979E-08    10.980    65.633     9.100   -30.192     2.550
   SRCPARAM A0000098     2.8979E-08    10.980    65.633     9.100   -30.192     2.550
   SRCPARAM A0000099     2.8979E-08    10.980    60.917     9.100   -28.301     2.550
   SRCPARAM A0000100     2.8979E-08    10.980    60.917     9.100   -28.301     2.550
   SRCPARAM A0000101     2.8979E-08    10.980    58.729     9.100   -30.619     2.550
   SRCPARAM A0000102     2.8979E-08    10.980    58.729     9.100   -30.619     2.550
   SRCPARAM A0000103     2.8979E-08    10.980    87.192     9.100   -27.474     2.550
   SRCPARAM A0000104     2.8979E-08    10.980    87.192     9.100   -27.474     2.550
** ------------------------------------------------------------------------
   URBANSRC ALL

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Day"
   EMISFACT A0000001     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000001     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000001     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000001     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000002     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000002     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000002     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000002     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000003     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000003     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000003     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000003     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000004     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000004     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000004     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000004     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000005     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000005     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000005     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000005     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000006     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000006     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000006     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000006     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000007     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000007     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000007     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000007     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000008     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000008     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000008     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000008     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000009     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000009     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000009     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000009     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000010     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000010     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000010     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000010     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000011     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000011     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000011     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000011     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
```

```
EMISFACT A0000012     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000012     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000013     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000013     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000013     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000013     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000014     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000014     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000014     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000014     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000015     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000015     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000015     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000015     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000016     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000016     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000016     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000016     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000017     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000017     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000017     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000017     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000018     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000018     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000018     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000018     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000019     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000019     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000019     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000019     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000020     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000020     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000020     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000020     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000021     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000021     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000021     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000021     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000022     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000022     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000022     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000022     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000023     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000023     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000023     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000023     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000024     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000024     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000024     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000024     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000025     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000025     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000025     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000025     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000026     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000026     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000026     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000026     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000027     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000027     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000027     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000027     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000028     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000028     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000028     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000028     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000029     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000029     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000029     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000029     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000030     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000030     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000030     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000030     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000031     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000031     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000031     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000031     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000032     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000032     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000032     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000032     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000033     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000033     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000033     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000033     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000034     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000034     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000034     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000034     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000035     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000035     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000035     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000035     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000036     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000036     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000036     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000036     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000037     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000037     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000038     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000038     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000039     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000039     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000040     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000040     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000041     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000041     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000042     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000042     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000043     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000043     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000044     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000044     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000045     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000045     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000046     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000046     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000047     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000047     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000048     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000048     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000049     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000049     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000050     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000050     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000051     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000051     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000052     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000052     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Night"
   EMISFACT A0000053     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000053     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000053     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000054     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000054     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000055     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000055     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000056     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000056     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000057     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000057     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000058     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000058     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
```

```
EMISFACT A0000059     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000059     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000059     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000060     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000060     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000060     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000060     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000061     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000061     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000061     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000061     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000062     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000062     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000062     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000062     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000063     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000063     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000063     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000063     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000064     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000064     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000064     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000064     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000065     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000065     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000065     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000065     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000066     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000066     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000066     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000066     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000067     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000067     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000067     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000067     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000068     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000068     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000068     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000068     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000069     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000069     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000069     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000069     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000070     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000070     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000070     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000070     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000071     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000071     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000071     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000071     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000072     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000072     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000072     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000072     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000073     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000073     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000073     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000073     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000074     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000074     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000074     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000074     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000075     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000075     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000075     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000075     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000076     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000076     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000076     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000076     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000077     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000077     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000077     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000077     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000078     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000078     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000078     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000078     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000079     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000079     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000079     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000079     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000080     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000080     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000080     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000080     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000081     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000081     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000081     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000081     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000082     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000082     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000082     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000082     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000083     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000083     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000083     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000083     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000084     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000084     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000084     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000084     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000085     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000085     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000085     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000085     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000086     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000086     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000086     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000086     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000087     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000087     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000087     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000087     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000088     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000088     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000088     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000088     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000089     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000089     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000089     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000089     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000090     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000090     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000090     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000090     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000091     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000091     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000091     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000091     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000092     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000092     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000092     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000092     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000093     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000093     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000093     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000093     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000094     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000094     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000094     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000094     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000095     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000095     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000095     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000095     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000096     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000096     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000096     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000096     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000097     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000097     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000097     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000097     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000098     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000098     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000098     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000098     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000099     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000099     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000099     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000099     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000100     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000100     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000100     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000100     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000101     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000101     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000101     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000101     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000102     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000102     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000102     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000102     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000103     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000103     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000103     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000103     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000104     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000104     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000104     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000104     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
```

```
**
RE STARTING
   INCLUDED Tri-Valley_S3_operation_2025_DPM.rou
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE ..\..\..\..\metdata\AQMD\724927_Livermore\724927.SFC
   PROFFILE ..\..\..\..\metdata\AQMD\724927_Livermore\724927.PFL
   SURFDATA 23285 2009
   UAIRDATA 23230 2009 OAKLAND/WSO_AP
   PROFBASE 137.2 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   PLOTFILE ANNUAL ALL TRI-VALLEY_S3_OPERATION_2025_DPM.AD\Tri-Valley_S3_operation_2025_annual_DPM.PLT 31
   SUMMFILE Tri-Valley_S3_operation_2025_DPM.sum
OU FINISHED

 **********************************
 *** SETUP Finishes Successfully ***
 **********************************
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

**Model Is Setup For Calculation of Average CONCentration Values.

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for   104 Source(s),
  for Total of   1 Urban Area(s):
  Urban Population =   4656000.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Full Conversion Assumed for NO2.
        6. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:
        FASTAREA - Use hybrid approach to optimize AREA sources;
                   also applies to LINE sources (formerly TOXICS option)
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 104 Source(s);   1 Source Group(s); and   393 Receptor(s)

               with: 0 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 0 VOLUME source(s)
                and: 104 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with   0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   137.20 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   3.6 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: Tri-Valley_S3_operation_2025_DPM.err
**File for Summary of Results: Tri-Valley_S3_operation_2025_DPM.sum

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000001	0	0.28979E-07	610591.5	4173533.0	158.6	5.87	88.73	9.10	-1.33	1.37	YES	HROFDY
A0000002	0	0.28979E-07	610679.7	4173535.1	159.8	5.87	57.91	9.10	4.09	1.37	YES	HROFDY
A0000003	0	0.28979E-07	610738.0	4173531.0	160.5	5.87	70.17	9.10	-1.69	1.37	YES	HROFDY
A0000004	0	0.28979E-07	610808.1	4173533.0	161.6	5.87	51.61	9.10	-2.29	1.37	YES	HROFDY
A0000005	0	0.28979E-07	610860.0	4173535.1	162.1	5.87	74.72	9.10	-6.34	1.37	YES	HROFDY
A0000006	0	0.28979E-07	610934.3	4173543.4	162.0	5.87	80.87	9.10	-5.86	1.37	YES	HROFDY
A0000007	0	0.28979E-07	611015.5	4173551.8	161.4	5.87	58.09	9.10	-16.50	1.37	YES	HROFDY
A0000008	0	0.28979E-07	611071.4	4173568.3	161.1	5.87	58.71	9.10	-18.43	1.37	YES	HROFDY
A0000009	0	0.28979E-07	611126.9	4173586.8	160.4	5.87	49.30	9.10	-15.78	1.37	YES	HROFDY
A0000010	0	0.28979E-07	611174.3	4173600.2	160.2	5.87	49.30	9.10	-15.78	1.37	YES	HROFDY
A0000011	0	0.28979E-07	611222.3	4173613.8	159.9	5.87	82.36	9.10	-22.07	1.37	YES	HROFDY
A0000012	0	0.28979E-07	611298.7	4173644.8	159.9	5.87	62.84	9.10	-23.20	1.37	YES	HROFDY
A0000013	0	0.28979E-07	611356.8	4173669.7	160.0	5.87	84.95	9.10	-29.05	1.37	YES	HROFDY
A0000014	0	0.28979E-07	611431.2	4173711.1	160.1	5.87	69.34	9.10	-30.38	1.37	YES	HROFDY
A0000015	0	0.28979E-07	611490.9	4173746.0	160.2	5.87	56.31	9.10	-28.44	1.37	YES	HROFDY
A0000016	0	0.28979E-07	611540.4	4173772.9	160.4	5.87	56.31	9.10	-28.44	1.37	YES	HROFDY
A0000017	0	0.28979E-07	611589.9	4173799.7	160.3	5.87	85.37	9.10	-28.11	1.37	YES	HROFDY
A0000018	0	0.28979E-07	611665.2	4173839.9	160.5	5.87	85.37	9.10	-28.11	1.37	YES	HROFDY
A0000019	0	0.28979E-07	611740.6	4173880.2	160.6	5.87	77.14	9.10	-29.65	1.37	YES	HROFDY
A0000020	0	0.28979E-07	611807.6	4173918.3	160.9	5.87	77.14	9.10	-29.65	1.37	YES	HROFDY
A0000021	0	0.28979E-07	611874.6	4173956.5	161.1	5.87	51.70	9.10	-28.61	1.37	YES	HROFDY
A0000022	0	0.28979E-07	611920.0	4173981.2	161.3	5.87	51.70	9.10	-28.61	1.37	YES	HROFDY
A0000023	0	0.28979E-07	611965.3	4174005.9	161.4	5.87	62.74	9.10	-27.41	1.37	YES	HROFDY
A0000024	0	0.28979E-07	612021.0	4174034.8	161.6	5.87	62.74	9.10	-27.41	1.37	YES	HROFDY
A0000025	0	0.28979E-07	612076.8	4174063.8	161.8	5.87	52.20	9.10	-29.60	1.37	YES	HROFDY
A0000026	0	0.28979E-07	612122.2	4174089.6	162.0	5.87	52.20	9.10	-29.60	1.37	YES	HROFDY
A0000027	0	0.28979E-07	612167.5	4174115.3	162.1	5.87	83.97	9.10	-27.82	1.37	YES	HROFDY
A0000028	0	0.28979E-07	612241.8	4174154.5	162.4	5.87	47.99	9.10	-28.22	1.37	YES	HROFDY
A0000029	0	0.28979E-07	612284.1	4174177.2	162.5	5.87	47.99	9.10	-28.22	1.37	YES	HROFDY
A0000030	0	0.28979E-07	612326.3	4174199.9	162.6	5.87	48.90	9.10	-27.65	1.37	YES	HROFDY
A0000031	0	0.28979E-07	612369.6	4174222.5	162.9	5.87	48.90	9.10	-27.65	1.37	YES	HROFDY
A0000032	0	0.28979E-07	612413.2	4174245.4	163.1	5.87	68.99	9.10	-31.55	1.37	YES	HROFDY
A0000033	0	0.28979E-07	612472.0	4174281.5	163.2	5.87	68.99	9.10	-31.55	1.37	YES	HROFDY
A0000034	0	0.28979E-07	612530.6	4174317.5	163.5	5.87	74.75	9.10	-27.98	1.37	YES	HROFDY
A0000035	0	0.28979E-07	612596.6	4174352.5	163.8	5.87	74.75	9.10	-27.98	1.37	YES	HROFDY
A0000036	0	0.28979E-07	612662.7	4174387.7	164.1	5.87	55.91	9.10	-29.88	1.37	YES	HROFDY
A0000037	0	0.28979E-07	612711.2	4174415.5	164.2	5.87	55.91	9.10	-29.88	1.37	YES	HROFDY
A0000038	0	0.28979E-07	612759.5	4174443.3	164.2	5.87	58.13	9.10	-27.47	1.37	YES	HROFDY
A0000039	0	0.28979E-07	612811.1	4174470.1	164.5	5.87	58.13	9.10	-27.47	1.37	YES	HROFDY
A0000040	0	0.28979E-07	612862.7	4174496.9	164.5	5.87	67.83	9.10	-28.12	1.37	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000041	0	0.28979E-07	612922.5	4174528.9	164.7	5.87	67.83	9.10	-28.12	1.37	YES	HROFDY
A0000042	0	0.28979E-07	612982.4	4174560.9	164.9	5.87	89.56	9.10	-28.93	1.37	YES	HROFDY
A0000043	0	0.28979E-07	613060.7	4174604.2	165.1	5.87	48.90	9.10	-27.65	1.37	YES	HROFDY
A0000044	0	0.28979E-07	613104.0	4174626.9	165.3	5.87	48.90	9.10	-27.65	1.37	YES	HROFDY
A0000045	0	0.28979E-07	613147.5	4174649.7	165.8	5.87	65.63	9.10	-30.19	1.37	YES	HROFDY
A0000046	0	0.28979E-07	613204.2	4174682.7	166.1	5.87	65.63	9.10	-30.19	1.37	YES	HROFDY
A0000047	0	0.28979E-07	613260.8	4174715.6	166.5	5.87	60.92	9.10	-28.30	1.37	YES	HROFDY
A0000048	0	0.28979E-07	613314.5	4174744.5	166.9	5.87	60.92	9.10	-28.30	1.37	YES	HROFDY
A0000049	0	0.28979E-07	613368.3	4174773.5	167.2	5.87	58.73	9.10	-30.62	1.37	YES	HROFDY
A0000050	0	0.28979E-07	613418.8	4174803.4	167.7	5.87	58.73	9.10	-30.62	1.37	YES	HROFDY
A0000051	0	0.28979E-07	613469.1	4174833.2	167.9	5.87	87.19	9.10	-27.47	1.37	YES	HROFDY
A0000052	0	0.28979E-07	613546.5	4174873.4	168.5	5.87	87.19	9.10	-27.47	1.37	YES	HROFDY
A0000053	0	0.28979E-07	610591.5	4173533.0	158.6	10.98	88.73	9.10	-1.33	2.55	YES	HROFDY
A0000054	0	0.28979E-07	610679.7	4173535.1	159.8	10.98	57.91	9.10	4.09	2.55	YES	HROFDY
A0000055	0	0.28979E-07	610738.0	4173531.0	160.5	10.98	70.17	9.10	-1.69	2.55	YES	HROFDY
A0000056	0	0.28979E-07	610808.1	4173533.0	161.6	10.98	51.61	9.10	-2.29	2.55	YES	HROFDY
A0000057	0	0.28979E-07	610860.0	4173535.1	162.1	10.98	74.72	9.10	-6.34	2.55	YES	HROFDY
A0000058	0	0.28979E-07	610934.3	4173543.4	162.0	10.98	80.87	9.10	-5.86	2.55	YES	HROFDY
A0000059	0	0.28979E-07	611015.5	4173551.8	161.4	10.98	58.09	9.10	-16.50	2.55	YES	HROFDY
A0000060	0	0.28979E-07	611071.4	4173568.3	161.1	10.98	58.71	9.10	-18.43	2.55	YES	HROFDY
A0000061	0	0.28979E-07	611126.9	4173586.8	160.4	10.98	49.30	9.10	-15.78	2.55	YES	HROFDY
A0000062	0	0.28979E-07	611174.3	4173600.2	160.2	10.98	49.30	9.10	-15.78	2.55	YES	HROFDY
A0000063	0	0.28979E-07	611222.3	4173613.8	159.9	10.98	82.36	9.10	-22.07	2.55	YES	HROFDY
A0000064	0	0.28979E-07	611298.7	4173644.8	159.9	10.98	62.84	9.10	-23.20	2.55	YES	HROFDY
A0000065	0	0.28979E-07	611356.8	4173669.7	160.0	10.98	84.95	9.10	-29.05	2.55	YES	HROFDY
A0000066	0	0.28979E-07	611431.2	4173711.1	160.1	10.98	69.34	9.10	-30.38	2.55	YES	HROFDY
A0000067	0	0.28979E-07	611490.9	4173746.0	160.2	10.98	56.31	9.10	-28.44	2.55	YES	HROFDY
A0000068	0	0.28979E-07	611540.4	4173772.9	160.4	10.98	56.31	9.10	-28.44	2.55	YES	HROFDY
A0000069	0	0.28979E-07	611589.9	4173799.7	160.3	10.98	85.37	9.10	-28.11	2.55	YES	HROFDY
A0000070	0	0.28979E-07	611665.2	4173839.9	160.5	10.98	85.37	9.10	-28.11	2.55	YES	HROFDY
A0000071	0	0.28979E-07	611740.6	4173880.2	160.6	10.98	77.14	9.10	-29.65	2.55	YES	HROFDY
A0000072	0	0.28979E-07	611807.6	4173918.3	160.9	10.98	77.14	9.10	-29.65	2.55	YES	HROFDY
A0000073	0	0.28979E-07	611874.6	4173956.5	161.1	10.98	51.70	9.10	-28.61	2.55	YES	HROFDY
A0000074	0	0.28979E-07	611920.0	4173981.2	161.3	10.98	51.70	9.10	-28.61	2.55	YES	HROFDY
A0000075	0	0.28979E-07	611965.3	4174005.9	161.4	10.98	62.74	9.10	-27.41	2.55	YES	HROFDY
A0000076	0	0.28979E-07	612021.0	4174034.8	161.6	10.98	62.74	9.10	-27.41	2.55	YES	HROFDY
A0000077	0	0.28979E-07	612076.8	4174063.8	161.8	10.98	52.20	9.10	-29.60	2.55	YES	HROFDY
A0000078	0	0.28979E-07	612122.2	4174089.6	162.0	10.98	52.20	9.10	-29.60	2.55	YES	HROFDY
A0000079	0	0.28979E-07	612167.5	4174115.3	162.1	10.98	83.97	9.10	-27.82	2.55	YES	HROFDY
A0000080	0	0.28979E-07	612241.8	4174154.5	162.4	10.98	47.99	9.10	-28.22	2.55	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000081	0	0.28979E-07	612284.1	4174177.2	162.5	10.98	47.99	9.10	-28.22	2.55	YES	HROFDY
A0000082	0	0.28979E-07	612326.3	4174199.9	162.6	10.98	48.90	9.10	-27.65	2.55	YES	HROFDY
A0000083	0	0.28979E-07	612369.6	4174222.5	162.9	10.98	48.90	9.10	-27.65	2.55	YES	HROFDY
A0000084	0	0.28979E-07	612413.2	4174245.4	163.1	10.98	68.99	9.10	-31.55	2.55	YES	HROFDY
A0000085	0	0.28979E-07	612472.0	4174281.5	163.2	10.98	68.99	9.10	-31.55	2.55	YES	HROFDY
A0000086	0	0.28979E-07	612530.6	4174317.5	163.5	10.98	74.75	9.10	-27.98	2.55	YES	HROFDY
A0000087	0	0.28979E-07	612596.6	4174352.5	163.8	10.98	74.75	9.10	-27.98	2.55	YES	HROFDY
A0000088	0	0.28979E-07	612662.7	4174387.7	164.1	10.98	55.91	9.10	-29.88	2.55	YES	HROFDY
A0000089	0	0.28979E-07	612711.2	4174415.5	164.2	10.98	55.91	9.10	-29.88	2.55	YES	HROFDY
A0000090	0	0.28979E-07	612759.5	4174443.3	164.2	10.98	58.13	9.10	-27.47	2.55	YES	HROFDY
A0000091	0	0.28979E-07	612811.1	4174470.1	164.5	10.98	58.13	9.10	-27.47	2.55	YES	HROFDY
A0000092	0	0.28979E-07	612862.7	4174496.9	164.5	10.98	67.83	9.10	-28.12	2.55	YES	HROFDY
A0000093	0	0.28979E-07	612922.5	4174528.9	164.7	10.98	67.83	9.10	-28.12	2.55	YES	HROFDY
A0000094	0	0.28979E-07	612982.4	4174560.9	164.9	10.98	89.56	9.10	-28.93	2.55	YES	HROFDY
A0000095	0	0.28979E-07	613060.7	4174604.2	165.1	10.98	48.90	9.10	-27.65	2.55	YES	HROFDY
A0000096	0	0.28979E-07	613104.0	4174626.9	165.3	10.98	48.90	9.10	-27.65	2.55	YES	HROFDY
A0000097	0	0.28979E-07	613147.5	4174649.7	165.8	10.98	65.63	9.10	-30.19	2.55	YES	HROFDY
A0000098	0	0.28979E-07	613204.2	4174682.7	166.1	10.98	65.63	9.10	-30.19	2.55	YES	HROFDY
A0000099	0	0.28979E-07	613260.8	4174715.6	166.5	10.98	60.92	9.10	-28.30	2.55	YES	HROFDY
A0000100	0	0.28979E-07	613314.5	4174744.5	166.9	10.98	60.92	9.10	-28.30	2.55	YES	HROFDY
A0000101	0	0.28979E-07	613368.3	4174773.5	167.2	10.98	58.73	9.10	-30.62	2.55	YES	HROFDY
A0000102	0	0.28979E-07	613418.8	4174803.4	167.7	10.98	58.73	9.10	-30.62	2.55	YES	HROFDY
A0000103	0	0.28979E-07	613469.1	4174833.2	167.9	10.98	87.19	9.10	-27.47	2.55	YES	HROFDY
A0000104	0	0.28979E-07	613546.5	4174873.4	168.5	10.98	87.19	9.10	-27.47	2.55	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	A0000001 , A0000002 , A0000003 , A0000004 , A0000005 , A0000006 , A0000007 , A0000008 ,
	A0000009 , A0000010 , A0000011 , A0000012 , A0000013 , A0000014 , A0000015 , A0000016 ,
	A0000017 , A0000018 , A0000019 , A0000020 , A0000021 , A0000022 , A0000023 , A0000024 ,
	A0000025 , A0000026 , A0000027 , A0000028 , A0000029 , A0000030 , A0000031 , A0000032 ,
	A0000033 , A0000034 , A0000035 , A0000036 , A0000037 , A0000038 , A0000039 , A0000040 ,
	A0000041 , A0000042 , A0000043 , A0000044 , A0000045 , A0000046 , A0000047 , A0000048 ,
	A0000049 , A0000050 , A0000051 , A0000052 , A0000053 , A0000054 , A0000055 , A0000056 ,
	A0000057 , A0000058 , A0000059 , A0000060 , A0000061 , A0000062 , A0000063 , A0000064 ,
	A0000065 , A0000066 , A0000067 , A0000068 , A0000069 , A0000070 , A0000071 , A0000072 ,
	A0000073 , A0000074 , A0000075 , A0000076 , A0000077 , A0000078 , A0000079 , A0000080 ,
	A0000081 , A0000082 , A0000083 , A0000084 , A0000085 , A0000086 , A0000087 , A0000088 ,
	A0000089 , A0000090 , A0000091 , A0000092 , A0000093 , A0000094 , A0000095 , A0000096 ,
	A0000097 , A0000098 , A0000099 , A0000100 , A0000101 , A0000102 , A0000103 , A0000104 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	4656000.	A0000001 , A0000002 , A0000003 , A0000004 , A0000005 , A0000006 , A0000007 , A0000008 ,
		A0000009 , A0000010 , A0000011 , A0000012 , A0000013 , A0000014 , A0000015 , A0000016 ,
		A0000017 , A0000018 , A0000019 , A0000020 , A0000021 , A0000022 , A0000023 , A0000024 ,
		A0000025 , A0000026 , A0000027 , A0000028 , A0000029 , A0000030 , A0000031 , A0000032 ,
		A0000033 , A0000034 , A0000035 , A0000036 , A0000037 , A0000038 , A0000039 , A0000040 ,
		A0000041 , A0000042 , A0000043 , A0000044 , A0000045 , A0000046 , A0000047 , A0000048 ,
		A0000049 , A0000050 , A0000051 , A0000052 , A0000053 , A0000054 , A0000055 , A0000056 ,
		A0000057 , A0000058 , A0000059 , A0000060 , A0000061 , A0000062 , A0000063 , A0000064 ,
		A0000065 , A0000066 , A0000067 , A0000068 , A0000069 , A0000070 , A0000071 , A0000072 ,
		A0000073 , A0000074 , A0000075 , A0000076 , A0000077 , A0000078 , A0000079 , A0000080 ,
		A0000081 , A0000082 , A0000083 , A0000084 , A0000085 , A0000086 , A0000087 , A0000088 ,
		A0000089 , A0000090 , A0000091 , A0000092 , A0000093 , A0000094 , A0000095 , A0000096 ,
		A0000097 , A0000098 , A0000099 , A0000100 , A0000101 , A0000102 , A0000103 , A0000104 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000001 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000002 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000003 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000004 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000005 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000006 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000007 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000008 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000009 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000010 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000011 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000012 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000013 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000014 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000015 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000016 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000017 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000018 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000019 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000020 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000021 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000022 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000023 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000024 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000025 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000026 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000027 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000028 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000029 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000030 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000031 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000032 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000033 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000034 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000035 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000036 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000037 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000038 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000039 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000040 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000041 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000042 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000043 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000044 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000045 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000046 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000047 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000048 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000049 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000050 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000051 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000052 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000053 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000054 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000055 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000056 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000057 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000058 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000059 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000060 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000061 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000062 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000063 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000064 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000065 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000066 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000067 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000068 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000069 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000070 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000071 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000072 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000073 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000074 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000075 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000076 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000077 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000078 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000079 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000080 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000081 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000082 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000083 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000084 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000085 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000086 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000087 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000088 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000089 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000090 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000091 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000092 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000093 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000094 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000095 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000096 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000097 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000098 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000099 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000100 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000101 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000102 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000103 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000104 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(612230.0,	4174246.2,	162.1,	162.1,	0.0);	(612206.8,	4174226.3,	162.4,	162.4,	0.0);
(612153.2,	4174212.6,	161.5,	161.5,	0.0);	(612148.0,	4174192.6,	161.6,	161.6,	0.0);
(612132.2,	4174184.2,	161.6,	161.6,	0.0);	(612112.2,	4174172.6,	161.2,	161.2,	0.0);
(612078.6,	4174151.6,	161.4,	161.4,	0.0);	(612053.3,	4174136.9,	161.4,	161.4,	0.0);
(612031.2,	4174124.3,	160.9,	160.9,	0.0);	(612011.3,	4174114.8,	160.6,	160.6,	0.0);
(611974.5,	4174094.8,	160.9,	160.9,	0.0);	(611952.4,	4174085.4,	161.1,	161.1,	0.0);
(611929.2,	4174071.7,	160.4,	160.4,	0.0);	(611892.5,	4174060.1,	160.7,	160.7,	0.0);
(611867.2,	4174047.5,	160.7,	160.7,	0.0);	(611842.0,	4174034.9,	160.6,	160.6,	0.0);
(611815.7,	4174025.4,	160.4,	160.4,	0.0);	(611792.6,	4174016.0,	160.4,	160.4,	0.0);
(611769.4,	4174008.6,	160.1,	160.1,	0.0);	(611744.2,	4174001.3,	159.8,	159.8,	0.0);
(611435.1,	4173766.8,	159.2,	159.2,	0.0);	(611478.4,	4173791.8,	158.9,	158.9,	0.0);
(611500.0,	4173804.3,	159.1,	159.1,	0.0);	(611521.7,	4173816.8,	159.0,	159.0,	0.0);
(611543.3,	4173829.3,	159.2,	159.2,	0.0);	(611565.0,	4173841.8,	159.4,	159.4,	0.0);
(611586.6,	4173854.3,	159.4,	159.4,	0.0);	(611608.3,	4173866.8,	159.5,	159.5,	0.0);
(611629.9,	4173879.3,	159.4,	159.4,	0.0);	(611651.6,	4173891.8,	159.6,	159.6,	0.0);
(611759.0,	4174034.8,	159.8,	159.8,	0.0);	(611782.0,	4174044.5,	159.9,	159.9,	0.0);
(611805.0,	4174054.3,	160.1,	160.1,	0.0);	(611828.1,	4174064.1,	160.2,	160.2,	0.0);
(611851.1,	4174073.8,	160.1,	160.1,	0.0);	(611874.1,	4174083.6,	160.3,	160.3,	0.0);
(611897.1,	4174093.4,	160.1,	160.1,	0.0);	(611920.1,	4174103.1,	160.0,	160.0,	0.0);
(611943.1,	4174112.9,	160.7,	160.7,	0.0);	(611966.1,	4174122.7,	160.9,	160.9,	0.0);
(612012.2,	4174142.2,	160.6,	160.6,	0.0);	(612035.2,	4174152.0,	160.8,	160.8,	0.0);
(612058.2,	4174161.8,	161.3,	161.3,	0.0);	(612081.2,	4174171.5,	161.0,	161.0,	0.0);
(611759.0,	4174084.8,	159.8,	159.8,	0.0);	(611782.0,	4174094.5,	160.0,	160.0,	0.0);
(611805.0,	4174104.3,	160.2,	160.2,	0.0);	(611828.1,	4174114.1,	160.3,	160.3,	0.0);
(611851.1,	4174123.8,	160.2,	160.2,	0.0);	(611874.1,	4174133.6,	160.3,	160.3,	0.0);
(611897.1,	4174143.4,	160.2,	160.2,	0.0);	(611920.1,	4174153.1,	159.8,	159.8,	0.0);
(611943.1,	4174162.9,	160.2,	160.2,	0.0);	(611966.1,	4174172.7,	160.8,	160.8,	0.0);
(612012.2,	4174192.2,	160.4,	160.4,	0.0);	(612035.2,	4174202.0,	160.8,	160.8,	0.0);
(612058.2,	4174211.8,	161.1,	161.1,	0.0);	(612081.2,	4174221.5,	160.9,	160.9,	0.0);
(611759.0,	4174119.8,	159.5,	159.5,	0.0);	(611782.0,	4174129.5,	159.4,	159.4,	0.0);
(611805.0,	4174139.3,	159.7,	159.7,	0.0);	(611828.1,	4174149.1,	159.8,	159.8,	0.0);
(611851.1,	4174158.8,	159.7,	159.7,	0.0);	(611874.1,	4174168.6,	159.6,	159.6,	0.0);
(611897.1,	4174178.4,	159.4,	159.4,	0.0);	(611920.1,	4174188.1,	159.7,	159.7,	0.0);
(611943.1,	4174197.9,	160.1,	160.1,	0.0);	(611966.1,	4174207.7,	160.6,	160.6,	0.0);
(612012.2,	4174227.2,	160.3,	160.3,	0.0);	(612035.2,	4174237.0,	160.6,	160.6,	0.0);
(612058.2,	4174246.8,	160.9,	160.9,	0.0);	(612081.2,	4174256.5,	160.6,	160.6,	0.0);
(611759.9,	4174187.3,	159.4,	159.4,	0.0);	(611783.8,	4174194.6,	159.7,	159.7,	0.0);
(611807.7,	4174201.9,	159.8,	159.8,	0.0);	(611831.6,	4174209.2,	159.7,	159.7,	0.0);
(611855.5,	4174216.5,	159.7,	159.7,	0.0);	(611879.5,	4174223.9,	159.9,	159.9,	0.0);
(611903.4,	4174231.2,	160.0,	160.0,	0.0);	(611927.3,	4174238.5,	160.3,	160.3,	0.0);
(611951.2,	4174245.8,	159.8,	159.8,	0.0);	(611975.1,	4174253.1,	159.6,	159.6,	0.0);
(611999.0,	4174260.4,	159.8,	159.8,	0.0);	(612022.9,	4174267.7,	160.0,	160.0,	0.0);
(612046.8,	4174275.0,	160.7,	160.7,	0.0);	(612070.7,	4174282.3,	160.7,	160.7,	0.0);
(612094.6,	4174289.6,	160.2,	160.2,	0.0);	(611760.2,	4174266.5,	159.4,	159.4,	0.0);
(611784.3,	4174272.9,	159.4,	159.4,	0.0);	(611808.4,	4174279.4,	159.5,	159.5,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(611832.6,	4174285.9,	159.7,	159.7,	0.0);	(611856.7,	4174292.3,	159.9,	159.9,	0.0);
(611880.9,	4174298.8,	159.7,	159.7,	0.0);	(611905.0,	4174305.3,	159.7,	159.7,	0.0);
(611929.2,	4174311.8,	160.2,	160.2,	0.0);	(611953.3,	4174318.2,	160.5,	160.5,	0.0);
(611977.5,	4174324.7,	160.6,	160.6,	0.0);	(612001.6,	4174331.2,	160.7,	160.7,	0.0);
(612025.8,	4174337.6,	160.7,	160.7,	0.0);	(612049.9,	4174344.1,	160.7,	160.7,	0.0);
(612074.1,	4174350.6,	161.0,	161.0,	0.0);	(612098.2,	4174357.1,	161.5,	161.5,	0.0);
(612111.0,	4174254.1,	160.9,	160.9,	0.0);	(612135.5,	4174259.5,	161.3,	161.3,	0.0);
(612150.5,	4174252.7,	161.6,	161.6,	0.0);	(612198.1,	4174250.0,	162.3,	162.3,	0.0);
(612231.4,	4174277.9,	162.0,	162.0,	0.0);	(612200.8,	4174280.6,	162.2,	162.2,	0.0);
(612200.1,	4174309.1,	161.8,	161.8,	0.0);	(612147.8,	4174304.4,	161.5,	161.5,	0.0);
(612128.0,	4174292.1,	160.9,	160.9,	0.0);	(612148.4,	4174333.6,	161.3,	161.3,	0.0);
(612149.8,	4174358.8,	161.2,	161.2,	0.0);	(612199.4,	4174368.3,	161.6,	161.6,	0.0);
(612201.5,	4174341.1,	161.9,	161.9,	0.0);	(612229.3,	4174308.5,	161.9,	161.9,	0.0);
(612227.8,	4174341.2,	161.7,	161.7,	0.0);	(612227.8,	4174366.0,	161.6,	161.6,	0.0);
(612199.7,	4174399.0,	161.8,	161.8,	0.0);	(612231.3,	4174395.1,	161.4,	161.4,	0.0);
(611350.0,	4173760.0,	158.7,	158.7,	0.0);	(611375.0,	4173760.0,	158.9,	158.9,	0.0);
(611400.0,	4173760.0,	158.9,	158.9,	0.0);	(611425.0,	4173760.0,	159.2,	159.2,	0.0);
(611350.0,	4173785.0,	158.7,	158.7,	0.0);	(611375.0,	4173785.0,	158.7,	158.7,	0.0);
(611400.0,	4173785.0,	159.0,	159.0,	0.0);	(611425.0,	4173785.0,	159.0,	159.0,	0.0);
(611450.0,	4173785.0,	158.9,	158.9,	0.0);	(611325.0,	4173810.0,	158.4,	158.4,	0.0);
(611350.0,	4173810.0,	158.9,	158.9,	0.0);	(611375.0,	4173810.0,	158.7,	158.7,	0.0);
(611400.0,	4173810.0,	159.4,	159.4,	0.0);	(611425.0,	4173810.0,	159.1,	159.1,	0.0);
(611450.0,	4173810.0,	158.8,	158.8,	0.0);	(611475.0,	4173810.0,	158.8,	158.8,	0.0);
(611500.0,	4173810.0,	159.0,	159.0,	0.0);	(611325.0,	4173835.0,	158.4,	158.4,	0.0);
(611350.0,	4173835.0,	158.9,	158.9,	0.0);	(611375.0,	4173835.0,	158.8,	158.8,	0.0);
(611400.0,	4173835.0,	158.8,	158.8,	0.0);	(611425.0,	4173835.0,	158.8,	158.8,	0.0);
(611450.0,	4173835.0,	158.7,	158.7,	0.0);	(611475.0,	4173835.0,	158.7,	158.7,	0.0);
(611500.0,	4173835.0,	158.9,	158.9,	0.0);	(611525.0,	4173835.0,	159.0,	159.0,	0.0);
(611550.0,	4173835.0,	159.3,	159.3,	0.0);	(611300.0,	4173860.0,	158.3,	158.3,	0.0);
(611325.0,	4173860.0,	158.5,	158.5,	0.0);	(611350.0,	4173860.0,	158.7,	158.7,	0.0);
(611375.0,	4173860.0,	158.5,	158.5,	0.0);	(611400.0,	4173860.0,	159.0,	159.0,	0.0);
(611425.0,	4173860.0,	158.6,	158.6,	0.0);	(611450.0,	4173860.0,	158.5,	158.5,	0.0);
(611475.0,	4173860.0,	159.0,	159.0,	0.0);	(611500.0,	4173860.0,	159.2,	159.2,	0.0);
(611525.0,	4173860.0,	159.2,	159.2,	0.0);	(611550.0,	4173860.0,	159.2,	159.2,	0.0);
(611575.0,	4173860.0,	159.3,	159.3,	0.0);	(611600.0,	4173860.0,	159.5,	159.5,	0.0);
(611275.0,	4173885.0,	157.8,	157.8,	0.0);	(611300.0,	4173885.0,	158.2,	158.2,	0.0);
(611325.0,	4173885.0,	158.2,	158.2,	0.0);	(611350.0,	4173885.0,	158.4,	158.4,	0.0);
(611375.0,	4173885.0,	158.6,	158.6,	0.0);	(611400.0,	4173885.0,	158.6,	158.6,	0.0);
(611425.0,	4173885.0,	158.3,	158.3,	0.0);	(611450.0,	4173885.0,	158.5,	158.5,	0.0);
(611475.0,	4173885.0,	159.2,	159.2,	0.0);	(611500.0,	4173885.0,	159.2,	159.2,	0.0);
(611525.0,	4173885.0,	159.2,	159.2,	0.0);	(611550.0,	4173885.0,	159.4,	159.4,	0.0);
(611575.0,	4173885.0,	159.4,	159.4,	0.0);	(611600.0,	4173885.0,	159.4,	159.4,	0.0);
(611625.0,	4173885.0,	159.4,	159.4,	0.0);	(611650.0,	4173885.0,	159.7,	159.7,	0.0);
(611275.0,	4173910.0,	158.1,	158.1,	0.0);	(611300.0,	4173910.0,	158.3,	158.3,	0.0);
(611325.0,	4173910.0,	158.5,	158.5,	0.0);	(611350.0,	4173910.0,	158.6,	158.6,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(611375.0,	4173910.0,	158.6,	158.6,	0.0);	(611400.0,	4173910.0,	158.3,	158.3,	0.0);
(611425.0,	4173910.0,	158.3,	158.3,	0.0);	(611450.0,	4173910.0,	158.8,	158.8,	0.0);
(611475.0,	4173910.0,	159.0,	159.0,	0.0);	(611500.0,	4173910.0,	159.3,	159.3,	0.0);
(611525.0,	4173910.0,	159.0,	159.0,	0.0);	(611550.0,	4173910.0,	158.9,	158.9,	0.0);
(611575.0,	4173910.0,	159.2,	159.2,	0.0);	(611600.0,	4173910.0,	159.6,	159.6,	0.0);
(611625.0,	4173910.0,	159.5,	159.5,	0.0);	(611650.0,	4173910.0,	159.3,	159.3,	0.0);
(611250.0,	4173935.0,	157.5,	157.5,	0.0);	(611275.0,	4173935.0,	157.8,	157.8,	0.0);
(611300.0,	4173935.0,	157.9,	157.9,	0.0);	(611325.0,	4173935.0,	158.4,	158.4,	0.0);
(611350.0,	4173935.0,	158.5,	158.5,	0.0);	(611375.0,	4173935.0,	158.4,	158.4,	0.0);
(611400.0,	4173935.0,	158.2,	158.2,	0.0);	(611425.0,	4173935.0,	158.3,	158.3,	0.0);
(611450.0,	4173935.0,	158.9,	158.9,	0.0);	(611475.0,	4173935.0,	159.0,	159.0,	0.0);
(611500.0,	4173935.0,	159.3,	159.3,	0.0);	(611525.0,	4173935.0,	159.1,	159.1,	0.0);
(611550.0,	4173935.0,	158.8,	158.8,	0.0);	(611575.0,	4173935.0,	158.8,	158.8,	0.0);
(611600.0,	4173935.0,	159.0,	159.0,	0.0);	(611625.0,	4173935.0,	159.2,	159.2,	0.0);
(611650.0,	4173935.0,	159.2,	159.2,	0.0);	(611250.0,	4173960.0,	157.6,	157.6,	0.0);
(611275.0,	4173960.0,	158.1,	158.1,	0.0);	(611300.0,	4173960.0,	157.8,	157.8,	0.0);
(611325.0,	4173960.0,	158.0,	158.0,	0.0);	(611350.0,	4173960.0,	158.2,	158.2,	0.0);
(611375.0,	4173960.0,	158.2,	158.2,	0.0);	(611400.0,	4173960.0,	158.1,	158.1,	0.0);
(611425.0,	4173960.0,	158.5,	158.5,	0.0);	(611450.0,	4173960.0,	158.6,	158.6,	0.0);
(611475.0,	4173960.0,	158.7,	158.7,	0.0);	(611500.0,	4173960.0,	158.5,	158.5,	0.0);
(611525.0,	4173960.0,	158.7,	158.7,	0.0);	(611550.0,	4173960.0,	158.6,	158.6,	0.0);
(611575.0,	4173960.0,	159.0,	159.0,	0.0);	(611600.0,	4173960.0,	159.0,	159.0,	0.0);
(611625.0,	4173960.0,	159.2,	159.2,	0.0);	(611650.0,	4173960.0,	159.1,	159.1,	0.0);
(611250.0,	4173985.0,	157.2,	157.2,	0.0);	(611275.0,	4173985.0,	157.3,	157.3,	0.0);
(611300.0,	4173985.0,	157.8,	157.8,	0.0);	(611325.0,	4173985.0,	157.8,	157.8,	0.0);
(611350.0,	4173985.0,	157.6,	157.6,	0.0);	(611375.0,	4173985.0,	158.4,	158.4,	0.0);
(611400.0,	4173985.0,	158.2,	158.2,	0.0);	(611425.0,	4173985.0,	158.2,	158.2,	0.0);
(611450.0,	4173985.0,	158.5,	158.5,	0.0);	(611475.0,	4173985.0,	158.6,	158.6,	0.0);
(611500.0,	4173985.0,	158.2,	158.2,	0.0);	(611525.0,	4173985.0,	158.3,	158.3,	0.0);
(611550.0,	4173985.0,	158.5,	158.5,	0.0);	(611575.0,	4173985.0,	158.7,	158.7,	0.0);
(611600.0,	4173985.0,	159.2,	159.2,	0.0);	(611625.0,	4173985.0,	159.3,	159.3,	0.0);
(611650.0,	4173985.0,	159.4,	159.4,	0.0);	(611300.0,	4174010.0,	157.3,	157.3,	0.0);
(611325.0,	4174010.0,	157.4,	157.4,	0.0);	(611350.0,	4174010.0,	157.8,	157.8,	0.0);
(611375.0,	4174010.0,	158.0,	158.0,	0.0);	(611400.0,	4174010.0,	158.3,	158.3,	0.0);
(611425.0,	4174010.0,	158.4,	158.4,	0.0);	(611450.0,	4174010.0,	158.5,	158.5,	0.0);
(611475.0,	4174010.0,	158.2,	158.2,	0.0);	(611500.0,	4174010.0,	158.1,	158.1,	0.0);
(611525.0,	4174010.0,	158.5,	158.5,	0.0);	(611550.0,	4174010.0,	158.5,	158.5,	0.0);
(611575.0,	4174010.0,	158.6,	158.6,	0.0);	(611600.0,	4174010.0,	158.9,	158.9,	0.0);
(611625.0,	4174010.0,	159.3,	159.3,	0.0);	(611650.0,	4174010.0,	159.0,	159.0,	0.0);
(611350.0,	4174035.0,	157.5,	157.5,	0.0);	(611375.0,	4174035.0,	157.6,	157.6,	0.0);
(611400.0,	4174035.0,	157.9,	157.9,	0.0);	(611425.0,	4174035.0,	158.3,	158.3,	0.0);
(611450.0,	4174035.0,	158.2,	158.2,	0.0);	(611475.0,	4174035.0,	157.9,	157.9,	0.0);
(611500.0,	4174035.0,	158.3,	158.3,	0.0);	(611525.0,	4174035.0,	158.3,	158.3,	0.0);
(611550.0,	4174035.0,	158.4,	158.4,	0.0);	(611575.0,	4174035.0,	158.8,	158.8,	0.0);
(611600.0,	4174035.0,	158.7,	158.7,	0.0);	(611625.0,	4174035.0,	158.8,	158.8,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(611650.0,	4174035.0,	159.1,	159.1,	0.0);	(611375.0,	4174060.0,	157.5,	157.5,	0.0);
(611400.0,	4174060.0,	157.9,	157.9,	0.0);	(611425.0,	4174060.0,	157.9,	157.9,	0.0);
(611450.0,	4174060.0,	158.1,	158.1,	0.0);	(611475.0,	4174060.0,	158.1,	158.1,	0.0);
(611500.0,	4174060.0,	158.1,	158.1,	0.0);	(611525.0,	4174060.0,	158.4,	158.4,	0.0);
(611550.0,	4174060.0,	158.7,	158.7,	0.0);	(611575.0,	4174060.0,	158.4,	158.4,	0.0);
(611600.0,	4174060.0,	158.6,	158.6,	0.0);	(611625.0,	4174060.0,	159.0,	159.0,	0.0);
(611650.0,	4174060.0,	159.1,	159.1,	0.0);	(611400.0,	4174085.0,	157.6,	157.6,	0.0);
(611425.0,	4174085.0,	157.8,	157.8,	0.0);	(611450.0,	4174085.0,	158.0,	158.0,	0.0);
(611475.0,	4174085.0,	158.3,	158.3,	0.0);	(611500.0,	4174085.0,	158.4,	158.4,	0.0);
(611525.0,	4174085.0,	158.4,	158.4,	0.0);	(611550.0,	4174085.0,	158.2,	158.2,	0.0);
(611575.0,	4174085.0,	158.7,	158.7,	0.0);	(611600.0,	4174085.0,	158.9,	158.9,	0.0);
(611625.0,	4174085.0,	159.0,	159.0,	0.0);	(611650.0,	4174085.0,	158.9,	158.9,	0.0);
(611425.0,	4174110.0,	157.5,	157.5,	0.0);	(611450.0,	4174110.0,	158.2,	158.2,	0.0);
(611475.0,	4174110.0,	158.1,	158.1,	0.0);	(611500.0,	4174110.0,	158.2,	158.2,	0.0);
(611525.0,	4174110.0,	158.1,	158.1,	0.0);	(611550.0,	4174110.0,	158.2,	158.2,	0.0);
(611575.0,	4174110.0,	158.8,	158.8,	0.0);	(611600.0,	4174110.0,	158.9,	158.9,	0.0);
(611625.0,	4174110.0,	158.9,	158.9,	0.0);	(611650.0,	4174110.0,	158.8,	158.8,	0.0);
(611450.0,	4174135.0,	157.7,	157.7,	0.0);	(611475.0,	4174135.0,	157.9,	157.9,	0.0);
(611500.0,	4174135.0,	158.0,	158.0,	0.0);	(611525.0,	4174135.0,	158.5,	158.5,	0.0);
(611550.0,	4174135.0,	158.4,	158.4,	0.0);	(611575.0,	4174135.0,	158.6,	158.6,	0.0);
(611600.0,	4174135.0,	158.9,	158.9,	0.0);	(611625.0,	4174135.0,	159.0,	159.0,	0.0);
(611650.0,	4174135.0,	158.7,	158.7,	0.0);	(612954.0,	4174700.0,	163.6,	163.6,	0.0);
(612979.0,	4174700.0,	163.4,	163.4,	0.0);	(613004.0,	4174700.0,	163.7,	163.7,	0.0);
(612954.0,	4174725.0,	163.4,	163.4,	0.0);	(612979.0,	4174725.0,	163.5,	163.5,	0.0);
(613004.0,	4174725.0,	163.6,	163.6,	0.0);	(612929.0,	4174750.0,	163.6,	163.6,	0.0);
(612954.0,	4174750.0,	163.8,	163.8,	0.0);	(612979.0,	4174750.0,	164.1,	164.1,	0.0);
(613004.0,	4174750.0,	163.9,	163.9,	0.0);	(612854.0,	4174775.0,	163.0,	163.0,	0.0);
(612879.0,	4174775.0,	163.5,	163.5,	0.0);	(612904.0,	4174775.0,	163.6,	163.6,	0.0);
(612929.0,	4174775.0,	163.8,	163.8,	0.0);	(612954.0,	4174775.0,	164.1,	164.1,	0.0);
(612979.0,	4174775.0,	164.4,	164.4,	0.0);	(613004.0,	4174775.0,	164.0,	164.0,	0.0);
(612829.0,	4174800.0,	163.5,	163.5,	0.0);	(612854.0,	4174800.0,	163.8,	163.8,	0.0);
(612879.0,	4174800.0,	164.0,	164.0,	0.0);	(612904.0,	4174800.0,	164.4,	164.4,	0.0);
(612929.0,	4174800.0,	164.6,	164.6,	0.0);	(612954.0,	4174800.0,	164.9,	164.9,	0.0);
(612979.0,	4174800.0,	164.4,	164.4,	0.0);	(613004.0,	4174800.0,	164.2,	164.2,	0.0);
(612804.0,	4174825.0,	162.8,	162.8,	0.0);	(612829.0,	4174825.0,	163.1,	163.1,	0.0);
(612854.0,	4174825.0,	163.2,	163.2,	0.0);	(612879.0,	4174825.0,	163.5,	163.5,	0.0);
(612904.0,	4174825.0,	163.7,	163.7,	0.0);	(612929.0,	4174825.0,	163.9,	163.9,	0.0);
(612954.0,	4174825.0,	164.2,	164.2,	0.0);	(612979.0,	4174825.0,	164.3,	164.3,	0.0);
(613004.0,	4174825.0,	164.3,	164.3,	0.0);	(612804.0,	4174850.0,	163.6,	163.6,	0.0);
(612829.0,	4174850.0,	163.8,	163.8,	0.0);	(612854.0,	4174850.0,	163.3,	163.3,	0.0);
(612879.0,	4174850.0,	164.0,	164.0,	0.0);	(612904.0,	4174850.0,	164.1,	164.1,	0.0);
(612929.0,	4174850.0,	163.9,	163.9,	0.0);	(612954.0,	4174850.0,	164.5,	164.5,	0.0);
(612979.0,	4174850.0,	164.8,	164.8,	0.0);	(613004.0,	4174850.0,	164.3,	164.3,	0.0);
(612804.0,	4174875.0,	163.6,	163.6,	0.0);	(612829.0,	4174875.0,	164.0,	164.0,	0.0);
(612854.0,	4174875.0,	163.4,	163.4,	0.0);	(612879.0,	4174875.0,	164.0,	164.0,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	612904.0,	4174875.0,	164.2,	164.2,	0.0);	(612929.0,	4174875.0,	164.1,	164.1,	0.0);
(	612954.0,	4174875.0,	164.6,	164.6,	0.0);	(612979.0,	4174875.0,	164.9,	164.9,	0.0);
(	613004.0,	4174875.0,	164.6,	164.6,	0.0);	(612779.0,	4174900.0,	163.3,	163.3,	0.0);
(	612804.0,	4174900.0,	163.8,	163.8,	0.0);	(612829.0,	4174900.0,	164.0,	164.0,	0.0);
(	612854.0,	4174900.0,	163.6,	163.6,	0.0);	(612879.0,	4174900.0,	164.3,	164.3,	0.0);
(	612904.0,	4174900.0,	164.1,	164.1,	0.0);	(612929.0,	4174900.0,	164.3,	164.3,	0.0);
(	612954.0,	4174900.0,	164.9,	164.9,	0.0);	(612979.0,	4174900.0,	164.9,	164.9,	0.0);
(	613004.0,	4174900.0,	164.7,	164.7,	0.0);	(612779.0,	4174925.0,	163.5,	163.5,	0.0);
(	612804.0,	4174925.0,	163.6,	163.6,	0.0);	(612829.0,	4174925.0,	163.8,	163.8,	0.0);
(	612854.0,	4174925.0,	163.9,	163.9,	0.0);	(612879.0,	4174925.0,	164.5,	164.5,	0.0);
(	612904.0,	4174925.0,	164.4,	164.4,	0.0);	(612929.0,	4174925.0,	164.6,	164.6,	0.0);
(	612954.0,	4174925.0,	164.7,	164.7,	0.0);	(612979.0,	4174925.0,	164.9,	164.9,	0.0);
(	613004.0,	4174925.0,	165.0,	165.0,	0.0);	(612926.7,	4174737.3,	163.4,	163.4,	0.0);
(	612887.9,	4174756.9,	163.1,	163.1,	0.0);	(612932.4,	4174707.8,	163.6,	163.6,	0.0);
(	612910.5,	4174717.6,	163.5,	163.5,	0.0);	(612893.1,	4174726.3,	163.5,	163.5,	0.0);
(	612874.6,	4174734.9,	163.3,	163.3,	0.0);	(612855.6,	4174741.9,	163.1,	163.1,	0.0);
(	612834.8,	4174751.1,	162.9,	162.9,	0.0);					

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

```
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\..\..\..\metdata\AQMD\724927_Livermore\724927.SFC Met Version: 14134
Profile file: ..\..\..\..\metdata\AQMD\724927_Livermore\724927.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23285 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2009 Year: 2009

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
09	01	01	1	01	-12.6	0.221	-9.000	-9.000	-999.	250.	77.5	0.11	0.90	1.00	2.86	51.	10.0	279.2	2.0
09	01	01	1	02	-23.5	0.413	-9.000	-9.000	-999.	637.	269.8	0.11	0.90	1.00	4.86	48.	10.0	279.2	2.0
09	01	01	1	03	-11.1	0.195	-9.000	-9.000	-999.	254.	59.8	0.07	0.90	1.00	2.86	94.	10.0	278.8	2.0
09	01	01	1	04	-9.5	0.166	-9.000	-9.000	-999.	164.	43.7	0.11	0.90	1.00	2.36	53.	10.0	278.1	2.0
09	01	01	1	05	-11.1	0.195	-9.000	-9.000	-999.	206.	59.6	0.07	0.90	1.00	2.86	63.	10.0	278.1	2.0
09	01	01	1	06	-8.2	0.143	-9.000	-9.000	-999.	131.	32.3	0.07	0.90	1.00	2.36	72.	10.0	278.1	2.0
09	01	01	1	07	-8.2	0.143	-9.000	-9.000	-999.	130.	32.3	0.07	0.90	1.00	2.36	75.	10.0	278.1	2.0
09	01	01	1	08	-4.1	0.078	-9.000	-9.000	-999.	53.	10.3	0.11	0.90	0.75	1.76	13.	10.0	277.5	2.0
09	01	01	1	09	-6.3	0.246	-9.000	-9.000	-999.	292.	211.6	0.12	0.90	0.40	2.86	347.	10.0	278.1	2.0
09	01	01	1	10	6.6	0.303	0.261	0.016	96.	401.	-378.3	0.11	0.90	0.27	3.36	51.	10.0	278.8	2.0
09	01	01	1	11	15.4	0.317	0.422	0.017	176.	429.	-186.8	0.07	0.90	0.23	3.86	94.	10.0	279.9	2.0
09	01	01	1	12	47.5	0.448	0.742	0.017	309.	720.	-170.5	0.11	0.90	0.22	4.86	56.	10.0	280.9	2.0
09	01	01	1	13	49.0	0.405	0.820	0.014	403.	621.	-122.0	0.07	0.90	0.21	4.86	63.	10.0	281.4	2.0
09	01	01	1	14	42.7	0.405	0.809	0.014	444.	619.	-139.5	0.11	0.90	0.22	4.36	59.	10.0	282.0	2.0
09	01	01	1	15	60.8	0.372	0.922	0.014	463.	545.	-75.6	0.07	0.90	0.25	4.36	72.	10.0	281.4	2.0
09	01	01	1	16	14.1	0.309	0.569	0.016	467.	414.	-187.5	0.11	0.90	0.34	3.36	54.	10.0	282.0	2.0
09	01	01	1	17	-30.4	0.311	-9.000	-9.000	-999.	417.	89.1	0.07	0.90	0.58	4.36	61.	10.0	280.4	2.0
09	01	01	1	18	-27.0	0.239	-9.000	-9.000	-999.	282.	45.2	0.11	0.90	1.00	3.36	47.	10.0	279.9	2.0
09	01	01	1	19	-14.9	0.131	-9.000	-9.000	-999.	120.	13.7	0.07	0.90	1.00	2.86	64.	10.0	279.2	2.0
09	01	01	1	20	-5.8	0.078	-9.000	-9.000	-999.	53.	7.3	0.11	0.90	1.00	1.76	47.	10.0	278.8	2.0
09	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	0.90	1.00	0.00	0.	10.0	277.5	2.0
09	01	01	1	22	-4.9	0.070	-9.000	-9.000	-999.	44.	6.2	0.07	0.90	1.00	1.76	82.	10.0	276.4	2.0
09	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	0.90	1.00	0.00	0.	10.0	277.0	2.0
09	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	0.90	1.00	0.00	0.	10.0	277.0	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
09	01	01	01	10.0	1	51.	2.86	279.3	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
612229.96	4174246.24	0.00174	612206.83	4174226.27	0.00183
612153.21	4174212.60	0.00164	612147.95	4174192.62	0.00185
612132.18	4174184.21	0.00185	612112.20	4174172.64	0.00185
612078.55	4174151.61	0.00190	612053.32	4174136.89	0.00192
612031.24	4174124.28	0.00192	612011.26	4174114.81	0.00189
611974.46	4174094.84	0.00191	611952.38	4174085.37	0.00188
611929.25	4174071.71	0.00188	611892.45	4174060.14	0.00178
611867.22	4174047.52	0.00177	611841.98	4174034.91	0.00175
611815.70	4174025.44	0.00169	611792.56	4174015.98	0.00166
611769.43	4174008.62	0.00160	611744.20	4174001.26	0.00153
611435.08	4173766.79	0.00254	611478.38	4173791.79	0.00246
611500.03	4173804.29	0.00249	611521.68	4173816.79	0.00244
611543.33	4173829.29	0.00245	611564.98	4173841.79	0.00242
611586.63	4173854.29	0.00242	611608.29	4173866.79	0.00240
611629.94	4173879.29	0.00233	611651.59	4173891.79	0.00233
611759.01	4174034.77	0.00132	611782.03	4174044.54	0.00134
611805.04	4174054.30	0.00137	611828.05	4174064.07	0.00139
611851.06	4174073.84	0.00141	611874.08	4174083.61	0.00143
611897.09	4174093.38	0.00145	611920.10	4174103.15	0.00147
611943.11	4174112.91	0.00151	611966.13	4174122.68	0.00154
612012.15	4174142.22	0.00157	612035.16	4174151.99	0.00160
612058.18	4174161.76	0.00164	612081.19	4174171.52	0.00166
611759.01	4174084.77	0.00104	611782.03	4174094.54	0.00106
611805.04	4174104.30	0.00107	611828.05	4174114.07	0.00109
611851.06	4174123.84	0.00110	611874.08	4174133.61	0.00111
611897.09	4174143.38	0.00113	611920.10	4174153.15	0.00113
611943.11	4174162.91	0.00115	611966.13	4174172.68	0.00117
612012.15	4174192.22	0.00119	612035.16	4174201.99	0.00121
612058.18	4174211.76	0.00123	612081.19	4174221.52	0.00124
611759.01	4174119.77	0.00090	611782.03	4174129.54	0.00091
611805.04	4174139.30	0.00092	611828.05	4174149.07	0.00093
611851.06	4174158.84	0.00094	611874.08	4174168.61	0.00095
611897.09	4174178.38	0.00096	611920.10	4174188.15	0.00097
611943.11	4174197.91	0.00099	611966.13	4174207.68	0.00100
612012.15	4174227.22	0.00102	612035.16	4174236.99	0.00103
612058.18	4174246.76	0.00105	612081.19	4174256.52	0.00105
611759.91	4174187.31	0.00071	611783.82	4174194.62	0.00073
611807.72	4174201.93	0.00074	611831.63	4174209.24	0.00075
611855.54	4174216.55	0.00077	611879.45	4174223.86	0.00078
611903.35	4174231.17	0.00080	611927.26	4174238.47	0.00082

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
611951.17	4174245.78	0.00083	611975.08	4174253.09	0.00084
611998.98	4174260.40	0.00086	612022.89	4174267.71	0.00088
612046.80	4174275.02	0.00091	612070.71	4174282.33	0.00093
612094.61	4174289.64	0.00094	611760.15	4174266.47	0.00056
611784.30	4174272.94	0.00057	611808.44	4174279.41	0.00058
611832.59	4174285.88	0.00059	611856.74	4174292.35	0.00061
611880.89	4174298.82	0.00062	611905.04	4174305.29	0.00063
611929.19	4174311.76	0.00064	611953.33	4174318.23	0.00066
611977.48	4174324.70	0.00067	612001.63	4174331.18	0.00068
612025.78	4174337.65	0.00070	612049.93	4174344.12	0.00071
612074.07	4174350.59	0.00073	612098.22	4174357.06	0.00075
612111.04	4174254.09	0.00115	612135.51	4174259.53	0.00119
612150.47	4174252.73	0.00129	612198.05	4174250.01	0.00152
612231.36	4174277.88	0.00143	612200.77	4174280.60	0.00129
612200.09	4174309.15	0.00112	612147.75	4174304.39	0.00101
612128.04	4174292.15	0.00101	612148.43	4174333.62	0.00089
612149.79	4174358.77	0.00081	612199.41	4174368.29	0.00087
612201.45	4174341.10	0.00098	612229.32	4174308.47	0.00121
612227.77	4174341.21	0.00103	612227.77	4174366.05	0.00093
612199.73	4174399.05	0.00078	612231.31	4174395.15	0.00083
611350.00	4173760.00	0.00183	611375.00	4173760.00	0.00201
611400.00	4173760.00	0.00221	611425.00	4173760.00	0.00255
611350.00	4173785.00	0.00155	611375.00	4173785.00	0.00168
611400.00	4173785.00	0.00184	611425.00	4173785.00	0.00203
611450.00	4173785.00	0.00227	611325.00	4173810.00	0.00126
611350.00	4173810.00	0.00135	611375.00	4173810.00	0.00144
611400.00	4173810.00	0.00158	611425.00	4173810.00	0.00170
611450.00	4173810.00	0.00185	611475.00	4173810.00	0.00205
611500.00	4173810.00	0.00234	611325.00	4173835.00	0.00112
611350.00	4173835.00	0.00119	611375.00	4173835.00	0.00126
611400.00	4173835.00	0.00135	611425.00	4173835.00	0.00145
611450.00	4173835.00	0.00156	611475.00	4173835.00	0.00170
611500.00	4173835.00	0.00189	611525.00	4173835.00	0.00210
611550.00	4173835.00	0.00241	611300.00	4173860.00	0.00095
611325.00	4173860.00	0.00100	611350.00	4173860.00	0.00106
611375.00	4173860.00	0.00112	611400.00	4173860.00	0.00119
611425.00	4173860.00	0.00126	611450.00	4173860.00	0.00135
611475.00	4173860.00	0.00147	611500.00	4173860.00	0.00160
611525.00	4173860.00	0.00175	611550.00	4173860.00	0.00193
611575.00	4173860.00	0.00215	611600.00	4173860.00	0.00247

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
611275.00	4173885.00	0.00082	611300.00	4173885.00	0.00086
611325.00	4173885.00	0.00090	611350.00	4173885.00	0.00095
611375.00	4173885.00	0.00100	611400.00	4173885.00	0.00106
611425.00	4173885.00	0.00112	611450.00	4173885.00	0.00119
611475.00	4173885.00	0.00129	611500.00	4173885.00	0.00138
611525.00	4173885.00	0.00149	611550.00	4173885.00	0.00163
611575.00	4173885.00	0.00178	611600.00	4173885.00	0.00196
611625.00	4173885.00	0.00217	611650.00	4173885.00	0.00247
611275.00	4173910.00	0.00075	611300.00	4173910.00	0.00079
611325.00	4173910.00	0.00083	611350.00	4173910.00	0.00087
611375.00	4173910.00	0.00091	611400.00	4173910.00	0.00095
611425.00	4173910.00	0.00100	611450.00	4173910.00	0.00107
611475.00	4173910.00	0.00114	611500.00	4173910.00	0.00122
611525.00	4173910.00	0.00130	611550.00	4173910.00	0.00139
611575.00	4173910.00	0.00151	611600.00	4173910.00	0.00165
611625.00	4173910.00	0.00180	611650.00	4173910.00	0.00198
611250.00	4173935.00	0.00066	611275.00	4173935.00	0.00069
611300.00	4173935.00	0.00072	611325.00	4173935.00	0.00076
611350.00	4173935.00	0.00079	611375.00	4173935.00	0.00083
611400.00	4173935.00	0.00086	611425.00	4173935.00	0.00091
611450.00	4173935.00	0.00096	611475.00	4173935.00	0.00102
611500.00	4173935.00	0.00109	611525.00	4173935.00	0.00115
611550.00	4173935.00	0.00122	611575.00	4173935.00	0.00131
611600.00	4173935.00	0.00141	611625.00	4173935.00	0.00153
611650.00	4173935.00	0.00166	611250.00	4173960.00	0.00061
611275.00	4173960.00	0.00064	611300.00	4173960.00	0.00066
611325.00	4173960.00	0.00069	611350.00	4173960.00	0.00072
611375.00	4173960.00	0.00076	611400.00	4173960.00	0.00079
611425.00	4173960.00	0.00083	611450.00	4173960.00	0.00087
611475.00	4173960.00	0.00092	611500.00	4173960.00	0.00097
611525.00	4173960.00	0.00102	611550.00	4173960.00	0.00108
611575.00	4173960.00	0.00116	611600.00	4173960.00	0.00124
611625.00	4173960.00	0.00133	611650.00	4173960.00	0.00143
611250.00	4173985.00	0.00057	611275.00	4173985.00	0.00059
611300.00	4173985.00	0.00061	611325.00	4173985.00	0.00064
611350.00	4173985.00	0.00066	611375.00	4173985.00	0.00070
611400.00	4173985.00	0.00073	611425.00	4173985.00	0.00076
611450.00	4173985.00	0.00080	611475.00	4173985.00	0.00084
611500.00	4173985.00	0.00087	611525.00	4173985.00	0.00092
611550.00	4173985.00	0.00097	611575.00	4173985.00	0.00103

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
611600.00	4173985.00	0.00110	611625.00	4173985.00	0.00118
611650.00	4173985.00	0.00126	611300.00	4174010.00	0.00057
611325.00	4174010.00	0.00059	611350.00	4174010.00	0.00061
611375.00	4174010.00	0.00064	611400.00	4174010.00	0.00067
611425.00	4174010.00	0.00070	611450.00	4174010.00	0.00073
611475.00	4174010.00	0.00076	611500.00	4174010.00	0.00080
611525.00	4174010.00	0.00084	611550.00	4174010.00	0.00088
611575.00	4174010.00	0.00093	611600.00	4174010.00	0.00099
611625.00	4174010.00	0.00105	611650.00	4174010.00	0.00111
611350.00	4174035.00	0.00057	611375.00	4174035.00	0.00059
611400.00	4174035.00	0.00062	611425.00	4174035.00	0.00065
611450.00	4174035.00	0.00067	611475.00	4174035.00	0.00070
611500.00	4174035.00	0.00073	611525.00	4174035.00	0.00077
611550.00	4174035.00	0.00080	611575.00	4174035.00	0.00085
611600.00	4174035.00	0.00089	611625.00	4174035.00	0.00094
611650.00	4174035.00	0.00100	611375.00	4174060.00	0.00055
611400.00	4174060.00	0.00057	611425.00	4174060.00	0.00060
611450.00	4174060.00	0.00062	611475.00	4174060.00	0.00065
611500.00	4174060.00	0.00068	611525.00	4174060.00	0.00071
611550.00	4174060.00	0.00074	611575.00	4174060.00	0.00077
611600.00	4174060.00	0.00081	611625.00	4174060.00	0.00086
611650.00	4174060.00	0.00090	611400.00	4174085.00	0.00053
611425.00	4174085.00	0.00056	611450.00	4174085.00	0.00058
611475.00	4174085.00	0.00060	611500.00	4174085.00	0.00063
611525.00	4174085.00	0.00065	611550.00	4174085.00	0.00068
611575.00	4174085.00	0.00071	611600.00	4174085.00	0.00075
611625.00	4174085.00	0.00078	611650.00	4174085.00	0.00082
611425.00	4174110.00	0.00052	611450.00	4174110.00	0.00054
611475.00	4174110.00	0.00056	611500.00	4174110.00	0.00058
611525.00	4174110.00	0.00060	611550.00	4174110.00	0.00063
611575.00	4174110.00	0.00066	611600.00	4174110.00	0.00069
611625.00	4174110.00	0.00072	611650.00	4174110.00	0.00075
611450.00	4174135.00	0.00050	611475.00	4174135.00	0.00052
611500.00	4174135.00	0.00054	611525.00	4174135.00	0.00056
611550.00	4174135.00	0.00059	611575.00	4174135.00	0.00061
611600.00	4174135.00	0.00064	611625.00	4174135.00	0.00067
611650.00	4174135.00	0.00069	612954.00	4174700.00	0.00109
612979.00	4174700.00	0.00116	613004.00	4174700.00	0.00126
612954.00	4174725.00	0.00095	612979.00	4174725.00	0.00101
613004.00	4174725.00	0.00108	612929.00	4174750.00	0.00079

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
612954.00	4174750.00	0.00084	612979.00	4174750.00	0.00089
613004.00	4174750.00	0.00094	612854.00	4174775.00	0.00062
612879.00	4174775.00	0.00065	612904.00	4174775.00	0.00068
612929.00	4174775.00	0.00071	612954.00	4174775.00	0.00075
612979.00	4174775.00	0.00079	613004.00	4174775.00	0.00083
612829.00	4174800.00	0.00054	612854.00	4174800.00	0.00056
612879.00	4174800.00	0.00059	612904.00	4174800.00	0.00061
612929.00	4174800.00	0.00064	612954.00	4174800.00	0.00067
612979.00	4174800.00	0.00070	613004.00	4174800.00	0.00074
612804.00	4174825.00	0.00047	612829.00	4174825.00	0.00049
612854.00	4174825.00	0.00051	612879.00	4174825.00	0.00053
612904.00	4174825.00	0.00055	612929.00	4174825.00	0.00058
612954.00	4174825.00	0.00060	612979.00	4174825.00	0.00063
613004.00	4174825.00	0.00066	612804.00	4174850.00	0.00044
612829.00	4174850.00	0.00045	612854.00	4174850.00	0.00047
612879.00	4174850.00	0.00049	612904.00	4174850.00	0.00050
612929.00	4174850.00	0.00052	612954.00	4174850.00	0.00055
612979.00	4174850.00	0.00057	613004.00	4174850.00	0.00059
612804.00	4174875.00	0.00041	612829.00	4174875.00	0.00042
612854.00	4174875.00	0.00043	612879.00	4174875.00	0.00045
612904.00	4174875.00	0.00046	612929.00	4174875.00	0.00048
612954.00	4174875.00	0.00050	612979.00	4174875.00	0.00051
613004.00	4174875.00	0.00053	612779.00	4174900.00	0.00037
612804.00	4174900.00	0.00038	612829.00	4174900.00	0.00039
612854.00	4174900.00	0.00040	612879.00	4174900.00	0.00041
612904.00	4174900.00	0.00042	612929.00	4174900.00	0.00044
612954.00	4174900.00	0.00045	612979.00	4174900.00	0.00047
613004.00	4174900.00	0.00049	612779.00	4174925.00	0.00034
612804.00	4174925.00	0.00035	612829.00	4174925.00	0.00036
612854.00	4174925.00	0.00037	612879.00	4174925.00	0.00038
612904.00	4174925.00	0.00039	612929.00	4174925.00	0.00040
612954.00	4174925.00	0.00042	612979.00	4174925.00	0.00043
613004.00	4174925.00	0.00044	612926.66	4174737.26	0.00084
612887.93	4174756.91	0.00071	612932.44	4174707.78	0.00099
612910.48	4174717.60	0.00089	612893.13	4174726.27	0.00082
612874.64	4174734.94	0.00076	612855.56	4174741.88	0.00071
612834.75	4174751.13	0.00065			

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00255	AT (611425.00, 4173760.00, 159.19, 159.19, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00254	AT (611435.08, 4173766.79, 159.15, 159.15, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00249	AT (611500.03, 4173804.29, 159.08, 159.08, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00247	AT (611650.00, 4173885.00, 159.66, 159.66, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00247	AT (611600.00, 4173860.00, 159.52, 159.52, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00246	AT (611478.38, 4173791.79, 158.93, 158.93, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00245	AT (611543.33, 4173829.29, 159.25, 159.25, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00244	AT (611521.68, 4173816.79, 159.04, 159.04, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00242	AT (611564.98, 4173841.79, 159.37, 159.37, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00242	AT (611586.63, 4173854.29, 159.44, 159.44, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   1 Warning Message(s)
A Total of   15235 Informational Message(s)

A Total of   43872 Hours Were Processed

A Total of   13448 Calm Hours Identified

A Total of   1787 Missing Hours Identified (4.07 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
MX W481   43873   MAIN: Data Remaining After End of Year. Number of Hours=   48

   ****
   *** AERMOD Finishes Successfully ***
   ****

```
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE Valley Link: Tri-Valley Segment Section 3, 2040 Annual Operation DPM
   MODELOPT CONC FASTAREA
   AVERTIME ANNUAL
   URBANOPT 4656000 Other_Bay_Area
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL Tri-Valley_S3_operation_2040_DPM.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = TRIVAL_S3_D
** DESCRSRC Tri-Valley Segment Section 3, Day Time
** PREFIX
** Length of Side = 9.10
** Ratio = 10
** Vertical Dimension = 1.37
** Emission Rate = 3.5205E-08
** Nodes = 35
** 610591.362, 4173537.570, 158.57, 5.87
** 610680.067, 4173539.633, 159.84, 5.87
** 610737.828, 4173535.507, 160.43, 5.87
** 610807.966, 4173537.570, 161.55, 5.87
** 610859.539, 4173539.633, 162.11, 5.87
** 610933.803, 4173547.884, 162.01, 5.87
** 611014.256, 4173556.136, 161.38, 5.87
** 611069.954, 4173572.639, 161.07, 5.87
** 611125.652, 4173591.205, 160.33, 5.87
** 611220.546, 4173618.023, 159.94, 5.87
** 611296.873, 4173648.966, 159.92, 5.87
** 611354.634, 4173673.721, 159.91, 5.87
** 611428.898, 4173714.979, 159.89, 5.87
** 611488.722, 4173750.048, 160.20, 5.87
** 611587.741, 4173803.683, 160.26, 5.87
** 611738.332, 4173884.136, 160.62, 5.87
** 611872.421, 4173960.463, 161.11, 5.87
** 611963.188, 4174009.973, 161.36, 5.87
** 612018.886, 4174038.853, 161.57, 5.87
** 612074.584, 4174067.734, 161.76, 5.87
** 612165.352, 4174119.306, 162.11, 5.87
** 612239.616, 4174158.501, 162.40, 5.87
** 612324.195, 4174203.885, 162.57, 5.87
** 612410.836, 4174249.269, 163.05, 5.87
** 612528.421, 4174321.470, 163.43, 5.87
** 612660.447, 4174391.609, 164.01, 5.87
** 612757.403, 4174447.307, 164.21, 5.87
** 612860.548, 4174500.942, 164.55, 5.87
** 612980.196, 4174564.892, 164.82, 5.87
** 613058.586, 4174608.213, 165.06, 5.87
** 613145.227, 4174653.596, 165.76, 5.87
** 613258.686, 4174719.609, 166.43, 5.87
** 613365.957, 4174777.370, 167.20, 5.87
** 613467.039, 4174837.194, 167.88, 5.87
** 613621.756, 4174917.647, 169.11, 5.87
** ------------------------------------------------------------------------
   LOCATION A0000001     AREA     610591.468 4173533.021 158.55
   LOCATION A0000002     AREA     610679.743 4173535.094 159.78
   LOCATION A0000003     AREA     610737.962 4173530.959 160.51
   LOCATION A0000004     AREA     610808.148 4173533.023 161.58
   LOCATION A0000005     AREA     610860.041 4173535.111 162.11
   LOCATION A0000006     AREA     610934.267 4173543.358 162.03
   LOCATION A0000007     AREA     611015.549 4173551.773 161.44
   LOCATION A0000008     AREA     611071.393 4173568.323 161.09
   LOCATION A0000009     AREA     611126.890 4173586.827 160.39
   LOCATION A0000010     AREA     611174.336 4173600.235 160.25
   LOCATION A0000011     AREA     611222.255 4173613.806 159.92
   LOCATION A0000012     AREA     611298.665 4173644.784 159.92
   LOCATION A0000013     AREA     611356.843 4173669.744 159.99
   LOCATION A0000014     AREA     611431.199 4173711.054 160.08
   LOCATION A0000015     AREA     611490.889 4173746.047 160.24
   LOCATION A0000016     AREA     611540.399 4173772.865 160.38
   LOCATION A0000017     AREA     611589.885 4173799.670 160.34
   LOCATION A0000018     AREA     611665.181 4173839.897 160.48
   LOCATION A0000019     AREA     611740.583 4173880.182 160.64
   LOCATION A0000020     AREA     611807.627 4173918.346 160.93
   LOCATION A0000021     AREA     611874.599 4173956.469 161.11
   LOCATION A0000022     AREA     611919.983 4173981.224 161.26
   LOCATION A0000023     AREA     611965.282 4174005.934 161.40
   LOCATION A0000024     AREA     612020.981 4174034.814 161.60
   LOCATION A0000025     AREA     612076.832 4174063.778 161.79
   LOCATION A0000026     AREA     612122.216 4174089.564 162.00
```

```
   LOCATION A0000027     AREA     612167.476 4174115.282 162.13
   LOCATION A0000028     AREA     612241.767 4174154.492 162.40
   LOCATION A0000029     AREA     612284.057 4174177.184 162.49
   LOCATION A0000030     AREA     612326.306 4174199.855 162.63
   LOCATION A0000031     AREA     612369.627 4174222.546 162.85
   LOCATION A0000032     AREA     612413.217 4174245.391 163.07
   LOCATION A0000033     AREA     612472.010 4174281.492 163.25
   LOCATION A0000034     AREA     612530.556 4174317.452 163.46
   LOCATION A0000035     AREA     612596.569 4174352.521 163.80
   LOCATION A0000036     AREA     612662.713 4174387.663 164.05
   LOCATION A0000037     AREA     612711.191 4174415.512 164.15
   LOCATION A0000038     AREA     612759.502 4174443.270 164.25
   LOCATION A0000039     AREA     612811.074 4174470.088 164.46
   LOCATION A0000040     AREA     612862.692 4174496.929 164.52
   LOCATION A0000041     AREA     612922.516 4174528.904 164.74
   LOCATION A0000042     AREA     612982.396 4174560.910 164.86
   LOCATION A0000043     AREA     613060.697 4174604.182 165.08
   LOCATION A0000044     AREA     613104.018 4174626.874 165.34
   LOCATION A0000045     AREA     613147.515 4174649.664 165.75
   LOCATION A0000046     AREA     613204.245 4174682.670 166.09
   LOCATION A0000047     AREA     613260.844 4174715.603 166.45
   LOCATION A0000048     AREA     613314.479 4174744.483 166.85
   LOCATION A0000049     AREA     613368.274 4174773.454 167.23
   LOCATION A0000050     AREA     613418.815 4174803.366 167.65
   LOCATION A0000051     AREA     613469.138 4174833.157 167.89
   LOCATION A0000052     AREA     613546.497 4174873.384 168.48
** End of LINE AREA Source ID = TRIVAL_S3_D
** --------------------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = TRIVAL_S3_N
** DESCRSRC Tri-Valley Segment Section 3, Night Time
** PREFIX
** Length of Side = 9.10
** Ratio = 10
** Vertical Dimension = 2.55
** Emission Rate = 3.5205E-08
** Nodes = 35
** 610591.362, 4173537.570, 158.57, 10.98
** 610680.067, 4173539.633, 159.84, 10.98
** 610737.828, 4173535.507, 160.43, 10.98
** 610807.966, 4173537.570, 161.55, 10.98
** 610859.539, 4173539.633, 162.11, 10.98
** 610933.803, 4173547.884, 162.01, 10.98
** 611014.256, 4173556.136, 161.38, 10.98
** 611069.954, 4173572.639, 161.07, 10.98
** 611125.652, 4173591.205, 160.33, 10.98
** 611220.546, 4173618.023, 159.94, 10.98
** 611296.873, 4173648.966, 159.92, 10.98
** 611354.634, 4173673.721, 159.91, 10.98
** 611428.898, 4173714.979, 159.89, 10.98
** 611488.722, 4173750.048, 160.20, 10.98
** 611587.741, 4173803.683, 160.26, 10.98
** 611738.332, 4173884.136, 160.62, 10.98
** 611872.421, 4173960.463, 161.11, 10.98
** 611963.188, 4174009.973, 161.36, 10.98
** 612018.886, 4174038.853, 161.57, 10.98
** 612074.584, 4174067.734, 161.76, 10.98
** 612165.352, 4174119.306, 162.11, 10.98
** 612239.616, 4174158.501, 162.40, 10.98
** 612324.195, 4174203.885, 162.57, 10.98
** 612410.836, 4174249.269, 163.05, 10.98
** 612528.421, 4174321.470, 163.43, 10.98
** 612660.447, 4174391.609, 164.01, 10.98
** 612757.403, 4174447.307, 164.21, 10.98
** 612860.548, 4174500.942, 164.55, 10.98
** 612980.196, 4174564.892, 164.82, 10.98
** 613058.586, 4174608.213, 165.06, 10.98
** 613145.227, 4174653.596, 165.76, 10.98
** 613258.686, 4174719.609, 166.43, 10.98
** 613365.957, 4174777.370, 167.20, 10.98
** 613467.039, 4174837.194, 167.88, 10.98
** 613621.756, 4174917.647, 169.11, 10.98
** --------------------------------------------------------------------------
   LOCATION A0000053     AREA     610591.468 4173533.021 158.55
   LOCATION A0000054     AREA     610679.743 4173535.094 159.78
   LOCATION A0000055     AREA     610737.962 4173530.959 160.51
   LOCATION A0000056     AREA     610808.148 4173533.023 161.58
   LOCATION A0000057     AREA     610860.041 4173535.111 162.11
   LOCATION A0000058     AREA     610934.267 4173543.358 162.03
   LOCATION A0000059     AREA     611015.549 4173551.773 161.44
   LOCATION A0000060     AREA     611071.393 4173568.323 161.09
   LOCATION A0000061     AREA     611126.890 4173586.827 160.39
   LOCATION A0000062     AREA     611174.336 4173600.235 160.25
   LOCATION A0000063     AREA     611222.255 4173613.806 159.92
   LOCATION A0000064     AREA     611298.665 4173644.784 159.92
   LOCATION A0000065     AREA     611356.843 4173669.744 159.99
   LOCATION A0000066     AREA     611431.199 4173711.054 160.08
   LOCATION A0000067     AREA     611490.889 4173746.047 160.24
   LOCATION A0000068     AREA     611540.399 4173772.865 160.38
   LOCATION A0000069     AREA     611589.885 4173799.670 160.34
   LOCATION A0000070     AREA     611665.181 4173839.897 160.48
   LOCATION A0000071     AREA     611740.583 4173880.182 160.64
   LOCATION A0000072     AREA     611807.627 4173918.346 160.93
   LOCATION A0000073     AREA     611874.599 4173956.469 161.11
   LOCATION A0000074     AREA     611919.983 4173981.224 161.26
```

```
   LOCATION A0000075     AREA     611965.282 4174005.934 161.40
   LOCATION A0000076     AREA     612020.981 4174034.814 161.60
   LOCATION A0000077     AREA     612076.832 4174063.778 161.79
   LOCATION A0000078     AREA     612122.216 4174089.564 162.00
   LOCATION A0000079     AREA     612167.476 4174115.282 162.13
   LOCATION A0000080     AREA     612241.767 4174154.492 162.40
   LOCATION A0000081     AREA     612284.057 4174177.184 162.49
   LOCATION A0000082     AREA     612326.306 4174199.855 162.63
   LOCATION A0000083     AREA     612369.627 4174222.546 162.85
   LOCATION A0000084     AREA     612413.217 4174245.391 163.07
   LOCATION A0000085     AREA     612472.010 4174281.492 163.25
   LOCATION A0000086     AREA     612530.556 4174317.452 163.46
   LOCATION A0000087     AREA     612596.569 4174352.521 163.80
   LOCATION A0000088     AREA     612662.713 4174387.663 164.05
   LOCATION A0000089     AREA     612711.191 4174415.512 164.15
   LOCATION A0000090     AREA     612759.502 4174443.270 164.25
   LOCATION A0000091     AREA     612811.074 4174470.088 164.46
   LOCATION A0000092     AREA     612862.692 4174496.929 164.52
   LOCATION A0000093     AREA     612922.516 4174528.904 164.74
   LOCATION A0000094     AREA     612982.396 4174560.910 164.86
   LOCATION A0000095     AREA     613060.697 4174604.182 165.08
   LOCATION A0000096     AREA     613104.018 4174626.874 165.34
   LOCATION A0000097     AREA     613147.515 4174649.664 165.75
   LOCATION A0000098     AREA     613204.245 4174682.670 166.09
   LOCATION A0000099     AREA     613260.844 4174715.603 166.45
   LOCATION A0000100     AREA     613314.479 4174744.483 166.85
   LOCATION A0000101     AREA     613368.274 4174773.454 167.23
   LOCATION A0000102     AREA     613418.815 4174803.366 167.65
   LOCATION A0000103     AREA     613469.138 4174833.157 167.89
   LOCATION A0000104     AREA     613546.497 4174873.384 168.48
** End of LINE AREA Source ID = TRIVAL_S3_N
** Source Parameters **
** LINE AREA Source ID = TRIVAL_S3_D
   SRCPARAM A0000001     3.5205E-08     5.870    88.728     9.100    -1.332     1.370
   SRCPARAM A0000002     3.5205E-08     5.870    57.908     9.100     4.086     1.370
   SRCPARAM A0000003     3.5205E-08     5.870    70.169     9.100    -1.685     1.370
   SRCPARAM A0000004     3.5205E-08     5.870    51.614     9.100    -2.291     1.370
   SRCPARAM A0000005     3.5205E-08     5.870    74.721     9.100    -6.340     1.370
   SRCPARAM A0000006     3.5205E-08     5.870    80.875     9.100    -5.856     1.370
   SRCPARAM A0000007     3.5205E-08     5.870    58.092     9.100   -16.504     1.370
   SRCPARAM A0000008     3.5205E-08     5.870    58.711     9.100   -18.435     1.370
   SRCPARAM A0000009     3.5205E-08     5.870    49.305     9.100   -15.781     1.370
   SRCPARAM A0000010     3.5205E-08     5.870    49.305     9.100   -15.781     1.370
   SRCPARAM A0000011     3.5205E-08     5.870    82.361     9.100   -22.068     1.370
   SRCPARAM A0000012     3.5205E-08     5.870    62.842     9.100   -23.199     1.370
   SRCPARAM A0000013     3.5205E-08     5.870    84.955     9.100   -29.055     1.370
   SRCPARAM A0000014     3.5205E-08     5.870    69.345     9.100   -30.379     1.370
   SRCPARAM A0000015     3.5205E-08     5.870    56.306     9.100   -28.443     1.370
   SRCPARAM A0000016     3.5205E-08     5.870    56.306     9.100   -28.443     1.370
   SRCPARAM A0000017     3.5205E-08     5.870    85.367     9.100   -28.113     1.370
   SRCPARAM A0000018     3.5205E-08     5.870    85.367     9.100   -28.113     1.370
   SRCPARAM A0000019     3.5205E-08     5.870    77.145     9.100   -29.650     1.370
   SRCPARAM A0000020     3.5205E-08     5.870    77.145     9.100   -29.650     1.370
   SRCPARAM A0000021     3.5205E-08     5.870    51.696     9.100   -28.610     1.370
   SRCPARAM A0000022     3.5205E-08     5.870    51.696     9.100   -28.610     1.370
   SRCPARAM A0000023     3.5205E-08     5.870    62.741     9.100   -27.408     1.370
   SRCPARAM A0000024     3.5205E-08     5.870    62.741     9.100   -27.408     1.370
   SRCPARAM A0000025     3.5205E-08     5.870    52.198     9.100   -29.604     1.370
   SRCPARAM A0000026     3.5205E-08     5.870    52.198     9.100   -29.604     1.370
   SRCPARAM A0000027     3.5205E-08     5.870    83.973     9.100   -27.824     1.370
   SRCPARAM A0000028     3.5205E-08     5.870    47.993     9.100   -28.217     1.370
   SRCPARAM A0000029     3.5205E-08     5.870    47.993     9.100   -28.217     1.370
   SRCPARAM A0000030     3.5205E-08     5.870    48.904     9.100   -27.646     1.370
   SRCPARAM A0000031     3.5205E-08     5.870    48.904     9.100   -27.646     1.370
   SRCPARAM A0000032     3.5205E-08     5.870    68.991     9.100   -31.551     1.370
   SRCPARAM A0000033     3.5205E-08     5.870    68.991     9.100   -31.551     1.370
   SRCPARAM A0000034     3.5205E-08     5.870    74.750     9.100   -27.979     1.370
   SRCPARAM A0000035     3.5205E-08     5.870    74.750     9.100   -27.979     1.370
   SRCPARAM A0000036     3.5205E-08     5.870    55.908     9.100   -29.876     1.370
   SRCPARAM A0000037     3.5205E-08     5.870    55.908     9.100   -29.876     1.370
   SRCPARAM A0000038     3.5205E-08     5.870    58.128     9.100   -27.474     1.370
   SRCPARAM A0000039     3.5205E-08     5.870    58.128     9.100   -27.474     1.370
   SRCPARAM A0000040     3.5205E-08     5.870    67.833     9.100   -28.124     1.370
   SRCPARAM A0000041     3.5205E-08     5.870    67.833     9.100   -28.124     1.370
   SRCPARAM A0000042     3.5205E-08     5.870    89.564     9.100   -28.926     1.370
   SRCPARAM A0000043     3.5205E-08     5.870    48.904     9.100   -27.646     1.370
   SRCPARAM A0000044     3.5205E-08     5.870    48.904     9.100   -27.646     1.370
   SRCPARAM A0000045     3.5205E-08     5.870    65.633     9.100   -30.192     1.370
   SRCPARAM A0000046     3.5205E-08     5.870    65.633     9.100   -30.192     1.370
   SRCPARAM A0000047     3.5205E-08     5.870    60.917     9.100   -28.301     1.370
   SRCPARAM A0000048     3.5205E-08     5.870    60.917     9.100   -28.301     1.370
   SRCPARAM A0000049     3.5205E-08     5.870    58.729     9.100   -30.619     1.370
   SRCPARAM A0000050     3.5205E-08     5.870    58.729     9.100   -30.619     1.370
   SRCPARAM A0000051     3.5205E-08     5.870    87.192     9.100   -27.474     1.370
   SRCPARAM A0000052     3.5205E-08     5.870    87.192     9.100   -27.474     1.370
** ------------------------------------------------------------------
** LINE AREA Source ID = TRIVAL_S3_N
   SRCPARAM A0000053     3.5205E-08    10.980    88.728     9.100    -1.332     2.550
   SRCPARAM A0000054     3.5205E-08    10.980    57.908     9.100     4.086     2.550
   SRCPARAM A0000055     3.5205E-08    10.980    70.169     9.100    -1.685     2.550
   SRCPARAM A0000056     3.5205E-08    10.980    51.614     9.100    -2.291     2.550
   SRCPARAM A0000057     3.5205E-08    10.980    74.721     9.100    -6.340     2.550
   SRCPARAM A0000058     3.5205E-08    10.980    80.875     9.100    -5.856     2.550
   SRCPARAM A0000059     3.5205E-08    10.980    58.092     9.100   -16.504     2.550
   SRCPARAM A0000060     3.5205E-08    10.980    58.711     9.100   -18.435     2.550
```

```
   SRCPARAM A0000061     3.5205E-08    10.980    49.305     9.100   -15.781     2.550
   SRCPARAM A0000062     3.5205E-08    10.980    49.305     9.100   -15.781     2.550
   SRCPARAM A0000063     3.5205E-08    10.980    82.361     9.100   -22.068     2.550
   SRCPARAM A0000064     3.5205E-08    10.980    62.842     9.100   -23.199     2.550
   SRCPARAM A0000065     3.5205E-08    10.980    84.955     9.100   -29.055     2.550
   SRCPARAM A0000066     3.5205E-08    10.980    69.345     9.100   -30.379     2.550
   SRCPARAM A0000067     3.5205E-08    10.980    56.306     9.100   -28.443     2.550
   SRCPARAM A0000068     3.5205E-08    10.980    56.306     9.100   -28.443     2.550
   SRCPARAM A0000069     3.5205E-08    10.980    85.367     9.100   -28.113     2.550
   SRCPARAM A0000070     3.5205E-08    10.980    85.367     9.100   -28.113     2.550
   SRCPARAM A0000071     3.5205E-08    10.980    77.145     9.100   -29.650     2.550
   SRCPARAM A0000072     3.5205E-08    10.980    77.145     9.100   -29.650     2.550
   SRCPARAM A0000073     3.5205E-08    10.980    51.696     9.100   -28.610     2.550
   SRCPARAM A0000074     3.5205E-08    10.980    51.696     9.100   -28.610     2.550
   SRCPARAM A0000075     3.5205E-08    10.980    62.741     9.100   -27.408     2.550
   SRCPARAM A0000076     3.5205E-08    10.980    62.741     9.100   -27.408     2.550
   SRCPARAM A0000077     3.5205E-08    10.980    52.198     9.100   -29.604     2.550
   SRCPARAM A0000078     3.5205E-08    10.980    52.198     9.100   -29.604     2.550
   SRCPARAM A0000079     3.5205E-08    10.980    83.973     9.100   -27.824     2.550
   SRCPARAM A0000080     3.5205E-08    10.980    47.993     9.100   -28.217     2.550
   SRCPARAM A0000081     3.5205E-08    10.980    47.993     9.100   -28.217     2.550
   SRCPARAM A0000082     3.5205E-08    10.980    48.904     9.100   -27.646     2.550
   SRCPARAM A0000083     3.5205E-08    10.980    48.904     9.100   -27.646     2.550
   SRCPARAM A0000084     3.5205E-08    10.980    68.991     9.100   -31.551     2.550
   SRCPARAM A0000085     3.5205E-08    10.980    68.991     9.100   -31.551     2.550
   SRCPARAM A0000086     3.5205E-08    10.980    74.750     9.100   -27.979     2.550
   SRCPARAM A0000087     3.5205E-08    10.980    74.750     9.100   -27.979     2.550
   SRCPARAM A0000088     3.5205E-08    10.980    55.908     9.100   -29.876     2.550
   SRCPARAM A0000089     3.5205E-08    10.980    55.908     9.100   -29.876     2.550
   SRCPARAM A0000090     3.5205E-08    10.980    58.128     9.100   -27.474     2.550
   SRCPARAM A0000091     3.5205E-08    10.980    58.128     9.100   -27.474     2.550
   SRCPARAM A0000092     3.5205E-08    10.980    67.833     9.100   -28.124     2.550
   SRCPARAM A0000093     3.5205E-08    10.980    67.833     9.100   -28.124     2.550
   SRCPARAM A0000094     3.5205E-08    10.980    89.564     9.100   -28.926     2.550
   SRCPARAM A0000095     3.5205E-08    10.980    48.904     9.100   -27.646     2.550
   SRCPARAM A0000096     3.5205E-08    10.980    48.904     9.100   -27.646     2.550
   SRCPARAM A0000097     3.5205E-08    10.980    65.633     9.100   -30.192     2.550
   SRCPARAM A0000098     3.5205E-08    10.980    65.633     9.100   -30.192     2.550
   SRCPARAM A0000099     3.5205E-08    10.980    60.917     9.100   -28.301     2.550
   SRCPARAM A0000100     3.5205E-08    10.980    60.917     9.100   -28.301     2.550
   SRCPARAM A0000101     3.5205E-08    10.980    58.729     9.100   -30.619     2.550
   SRCPARAM A0000102     3.5205E-08    10.980    58.729     9.100   -30.619     2.550
   SRCPARAM A0000103     3.5205E-08    10.980    87.192     9.100   -27.474     2.550
   SRCPARAM A0000104     3.5205E-08    10.980    87.192     9.100   -27.474     2.550
** ------------------------------------------------------------------------
   URBANSRC ALL

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Day"
   EMISFACT A0000001     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000001     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000001     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000001     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000002     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000002     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000002     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000002     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000003     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000003     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000003     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000003     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000004     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000004     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000004     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000004     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000005     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000005     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000005     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000005     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000006     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000006     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000006     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000006     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000007     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000007     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000007     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000007     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000008     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000008     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000008     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000008     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000009     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000009     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000009     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000009     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000010     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000010     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000010     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000010     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000011     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000011     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000011     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000011     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
```

```
EMISFACT A0000012     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000012     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000013     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000013     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000013     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000013     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000014     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000014     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000014     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000014     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000015     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000015     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000015     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000015     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000016     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000016     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000016     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000016     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000017     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000017     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000017     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000017     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000018     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000018     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000018     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000018     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000019     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000019     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000019     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000019     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000020     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000020     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000020     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000020     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000021     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000021     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000021     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000021     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000022     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000022     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000022     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000022     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000023     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000023     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000023     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000023     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000024     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000024     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000024     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000024     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000025     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000025     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000025     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000025     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000026     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000026     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000026     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000026     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000027     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000027     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000027     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000027     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000028     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000028     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000028     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000028     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000029     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000029     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000029     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000029     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000030     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000030     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000030     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000030     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000031     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000031     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000031     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000031     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000032     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000032     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000032     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000032     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000033     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000033     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000033     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000033     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000034     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000034     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000034     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000034     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000035     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000035     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT A0000035     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT A0000035     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000036     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000036     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000036     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000036     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000037     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000037     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000038     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000038     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000039     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000039     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000040     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000040     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000041     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000041     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000042     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000042     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000043     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000043     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000044     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000044     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000045     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000045     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000046     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000046     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000047     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000047     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000048     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000048     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000049     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000049     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000050     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000050     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000051     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000051     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT A0000052     HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT A0000052     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Night"
   EMISFACT A0000053     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000053     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000053     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000054     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000054     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000055     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000055     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000056     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000056     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000057     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000057     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000058     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000058     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
```

```
EMISFACT A0000059     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000059     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000059     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000060     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000060     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000060     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000060     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000061     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000061     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000061     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000061     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000062     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000062     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000062     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000062     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000063     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000063     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000063     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000063     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000064     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000064     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000064     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000064     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000065     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000065     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000065     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000065     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000066     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000066     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000066     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000066     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000067     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000067     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000067     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000067     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000068     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000068     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000068     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000068     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000069     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000069     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000069     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000069     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000070     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000070     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000070     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000070     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000071     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000071     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000071     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000071     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000072     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000072     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000072     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000072     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000073     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000073     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000073     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000073     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000074     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000074     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000074     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000074     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000075     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000075     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000075     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000075     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000076     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000076     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000076     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000076     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000077     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000077     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000077     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000077     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000078     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000078     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000078     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000078     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000079     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000079     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000079     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000079     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000080     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000080     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000080     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000080     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000081     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000081     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000081     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000081     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000082     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
EMISFACT A0000082     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
EMISFACT A0000082     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
EMISFACT A0000082     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000083     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000083     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000083     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000083     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000084     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000084     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000084     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000084     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000085     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000085     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000085     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000085     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000086     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000086     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000086     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000086     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000087     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000087     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000087     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000087     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000088     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000088     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000088     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000088     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000089     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000089     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000089     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000089     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000090     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000090     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000090     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000090     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000091     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000091     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000091     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000091     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000092     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000092     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000092     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000092     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000093     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000093     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000093     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000093     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000094     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000094     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000094     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000094     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000095     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000095     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000095     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000095     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000096     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000096     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000096     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000096     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000097     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000097     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000097     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000097     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000098     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000098     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000098     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000098     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000099     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000099     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000099     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000099     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000100     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000100     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000100     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000100     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000101     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000101     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000101     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000101     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000102     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000102     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000102     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000102     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000103     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000103     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000103     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000103     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000104     HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
   EMISFACT A0000104     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   EMISFACT A0000104     HROFDY 0.0 0.0 0.0 0.0 0.0 1.0
   EMISFACT A0000104     HROFDY 1.0 1.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
```

```
**
RE STARTING
   INCLUDED Tri-Valley_S3_operation_2040_DPM.rou
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE ..\..\..\..\metdata\AQMD\724927_Livermore\724927.SFC
   PROFFILE ..\..\..\..\metdata\AQMD\724927_Livermore\724927.PFL
   SURFDATA 23285 2009
   UAIRDATA 23230 2009 OAKLAND/WSO_AP
   PROFBASE 137.2 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   PLOTFILE ANNUAL ALL TRI-VALLEY_S3_OPERATION_2040_DPM.AD\Tri-Valley_S3_operation_2040_annual_DPM.PLT 31
   SUMMFILE Tri-Valley_S3_operation_2040_DPM.sum
OU FINISHED

 *********************************
 *** SETUP Finishes Successfully ***
 *********************************
```

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

**Model Is Setup For Calculation of Average CONCentration Values.

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for   104 Source(s),
  for Total of   1 Urban Area(s):
  Urban Population =   4656000.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Full Conversion Assumed for NO2.
        6. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:
        FASTAREA - Use hybrid approach to optimize AREA sources;
                   also applies to LINE sources (formerly TOXICS option)
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 104 Source(s);   1 Source Group(s); and   393 Receptor(s)

               with: 0 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 0 VOLUME source(s)
                and: 104 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with   0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   137.20 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   3.6 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: Tri-Valley_S3_operation_2040_DPM.err
**File for Summary of Results: Tri-Valley_S3_operation_2040_DPM.sum

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000001	0	0.35205E-07	610591.5	4173533.0	158.6	5.87	88.73	9.10	-1.33	1.37	YES	HROFDY
A0000002	0	0.35205E-07	610679.7	4173535.1	159.8	5.87	57.91	9.10	4.09	1.37	YES	HROFDY
A0000003	0	0.35205E-07	610738.0	4173531.0	160.5	5.87	70.17	9.10	-1.69	1.37	YES	HROFDY
A0000004	0	0.35205E-07	610808.1	4173533.0	161.6	5.87	51.61	9.10	-2.29	1.37	YES	HROFDY
A0000005	0	0.35205E-07	610860.0	4173535.1	162.1	5.87	74.72	9.10	-6.34	1.37	YES	HROFDY
A0000006	0	0.35205E-07	610934.3	4173543.4	162.0	5.87	80.87	9.10	-5.86	1.37	YES	HROFDY
A0000007	0	0.35205E-07	611015.5	4173551.8	161.4	5.87	58.09	9.10	-16.50	1.37	YES	HROFDY
A0000008	0	0.35205E-07	611071.4	4173568.3	161.1	5.87	58.71	9.10	-18.43	1.37	YES	HROFDY
A0000009	0	0.35205E-07	611126.9	4173586.8	160.4	5.87	49.30	9.10	-15.78	1.37	YES	HROFDY
A0000010	0	0.35205E-07	611174.3	4173600.2	160.2	5.87	49.30	9.10	-15.78	1.37	YES	HROFDY
A0000011	0	0.35205E-07	611222.3	4173613.8	159.9	5.87	82.36	9.10	-22.07	1.37	YES	HROFDY
A0000012	0	0.35205E-07	611298.7	4173644.8	159.9	5.87	62.84	9.10	-23.20	1.37	YES	HROFDY
A0000013	0	0.35205E-07	611356.8	4173669.7	160.0	5.87	84.95	9.10	-29.05	1.37	YES	HROFDY
A0000014	0	0.35205E-07	611431.2	4173711.1	160.1	5.87	69.34	9.10	-30.38	1.37	YES	HROFDY
A0000015	0	0.35205E-07	611490.9	4173746.0	160.2	5.87	56.31	9.10	-28.44	1.37	YES	HROFDY
A0000016	0	0.35205E-07	611540.4	4173772.9	160.4	5.87	56.31	9.10	-28.44	1.37	YES	HROFDY
A0000017	0	0.35205E-07	611589.9	4173799.7	160.3	5.87	85.37	9.10	-28.11	1.37	YES	HROFDY
A0000018	0	0.35205E-07	611665.2	4173839.9	160.5	5.87	85.37	9.10	-28.11	1.37	YES	HROFDY
A0000019	0	0.35205E-07	611740.6	4173880.2	160.6	5.87	77.14	9.10	-29.65	1.37	YES	HROFDY
A0000020	0	0.35205E-07	611807.6	4173918.3	160.9	5.87	77.14	9.10	-29.65	1.37	YES	HROFDY
A0000021	0	0.35205E-07	611874.6	4173956.5	161.1	5.87	51.70	9.10	-28.61	1.37	YES	HROFDY
A0000022	0	0.35205E-07	611920.0	4173981.2	161.3	5.87	51.70	9.10	-28.61	1.37	YES	HROFDY
A0000023	0	0.35205E-07	611965.3	4174005.9	161.4	5.87	62.74	9.10	-27.41	1.37	YES	HROFDY
A0000024	0	0.35205E-07	612021.0	4174034.8	161.6	5.87	62.74	9.10	-27.41	1.37	YES	HROFDY
A0000025	0	0.35205E-07	612076.8	4174063.8	161.8	5.87	52.20	9.10	-29.60	1.37	YES	HROFDY
A0000026	0	0.35205E-07	612122.2	4174089.6	162.0	5.87	52.20	9.10	-29.60	1.37	YES	HROFDY
A0000027	0	0.35205E-07	612167.5	4174115.3	162.1	5.87	83.97	9.10	-27.82	1.37	YES	HROFDY
A0000028	0	0.35205E-07	612241.8	4174154.5	162.4	5.87	47.99	9.10	-28.22	1.37	YES	HROFDY
A0000029	0	0.35205E-07	612284.1	4174177.2	162.5	5.87	47.99	9.10	-28.22	1.37	YES	HROFDY
A0000030	0	0.35205E-07	612326.3	4174199.9	162.6	5.87	48.90	9.10	-27.65	1.37	YES	HROFDY
A0000031	0	0.35205E-07	612369.6	4174222.5	162.9	5.87	48.90	9.10	-27.65	1.37	YES	HROFDY
A0000032	0	0.35205E-07	612413.2	4174245.4	163.1	5.87	68.99	9.10	-31.55	1.37	YES	HROFDY
A0000033	0	0.35205E-07	612472.0	4174281.5	163.2	5.87	68.99	9.10	-31.55	1.37	YES	HROFDY
A0000034	0	0.35205E-07	612530.6	4174317.5	163.5	5.87	74.75	9.10	-27.98	1.37	YES	HROFDY
A0000035	0	0.35205E-07	612596.6	4174352.5	163.8	5.87	74.75	9.10	-27.98	1.37	YES	HROFDY
A0000036	0	0.35205E-07	612662.7	4174387.7	164.1	5.87	55.91	9.10	-29.88	1.37	YES	HROFDY
A0000037	0	0.35205E-07	612711.2	4174415.5	164.2	5.87	55.91	9.10	-29.88	1.37	YES	HROFDY
A0000038	0	0.35205E-07	612759.5	4174443.3	164.2	5.87	58.13	9.10	-27.47	1.37	YES	HROFDY
A0000039	0	0.35205E-07	612811.1	4174470.1	164.5	5.87	58.13	9.10	-27.47	1.37	YES	HROFDY
A0000040	0	0.35205E-07	612862.7	4174496.9	164.5	5.87	67.83	9.10	-28.12	1.37	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000041	0	0.35205E-07	612922.5	4174528.9	164.7	5.87	67.83	9.10	-28.12	1.37	YES	HROFDY
A0000042	0	0.35205E-07	612982.4	4174560.9	164.9	5.87	89.56	9.10	-28.93	1.37	YES	HROFDY
A0000043	0	0.35205E-07	613060.7	4174604.2	165.1	5.87	48.90	9.10	-27.65	1.37	YES	HROFDY
A0000044	0	0.35205E-07	613104.0	4174626.9	165.3	5.87	48.90	9.10	-27.65	1.37	YES	HROFDY
A0000045	0	0.35205E-07	613147.5	4174649.7	165.8	5.87	65.63	9.10	-30.19	1.37	YES	HROFDY
A0000046	0	0.35205E-07	613204.2	4174682.7	166.1	5.87	65.63	9.10	-30.19	1.37	YES	HROFDY
A0000047	0	0.35205E-07	613260.8	4174715.6	166.5	5.87	60.92	9.10	-28.30	1.37	YES	HROFDY
A0000048	0	0.35205E-07	613314.5	4174744.5	166.9	5.87	60.92	9.10	-28.30	1.37	YES	HROFDY
A0000049	0	0.35205E-07	613368.3	4174773.5	167.2	5.87	58.73	9.10	-30.62	1.37	YES	HROFDY
A0000050	0	0.35205E-07	613418.8	4174803.4	167.7	5.87	58.73	9.10	-30.62	1.37	YES	HROFDY
A0000051	0	0.35205E-07	613469.1	4174833.2	167.9	5.87	87.19	9.10	-27.47	1.37	YES	HROFDY
A0000052	0	0.35205E-07	613546.5	4174873.4	168.5	5.87	87.19	9.10	-27.47	1.37	YES	HROFDY
A0000053	0	0.35205E-07	610591.5	4173533.0	158.6	10.98	88.73	9.10	-1.33	2.55	YES	HROFDY
A0000054	0	0.35205E-07	610679.7	4173535.1	159.8	10.98	57.91	9.10	4.09	2.55	YES	HROFDY
A0000055	0	0.35205E-07	610738.0	4173531.0	160.5	10.98	70.17	9.10	-1.69	2.55	YES	HROFDY
A0000056	0	0.35205E-07	610808.1	4173533.0	161.6	10.98	51.61	9.10	-2.29	2.55	YES	HROFDY
A0000057	0	0.35205E-07	610860.0	4173535.1	162.1	10.98	74.72	9.10	-6.34	2.55	YES	HROFDY
A0000058	0	0.35205E-07	610934.3	4173543.4	162.0	10.98	80.87	9.10	-5.86	2.55	YES	HROFDY
A0000059	0	0.35205E-07	611015.5	4173551.8	161.4	10.98	58.09	9.10	-16.50	2.55	YES	HROFDY
A0000060	0	0.35205E-07	611071.4	4173568.3	161.1	10.98	58.71	9.10	-18.43	2.55	YES	HROFDY
A0000061	0	0.35205E-07	611126.9	4173586.8	160.4	10.98	49.30	9.10	-15.78	2.55	YES	HROFDY
A0000062	0	0.35205E-07	611174.3	4173600.2	160.2	10.98	49.30	9.10	-15.78	2.55	YES	HROFDY
A0000063	0	0.35205E-07	611222.3	4173613.8	159.9	10.98	82.36	9.10	-22.07	2.55	YES	HROFDY
A0000064	0	0.35205E-07	611298.7	4173644.8	159.9	10.98	62.84	9.10	-23.20	2.55	YES	HROFDY
A0000065	0	0.35205E-07	611356.8	4173669.7	160.0	10.98	84.95	9.10	-29.05	2.55	YES	HROFDY
A0000066	0	0.35205E-07	611431.2	4173711.1	160.1	10.98	69.34	9.10	-30.38	2.55	YES	HROFDY
A0000067	0	0.35205E-07	611490.9	4173746.0	160.2	10.98	56.31	9.10	-28.44	2.55	YES	HROFDY
A0000068	0	0.35205E-07	611540.4	4173772.9	160.4	10.98	56.31	9.10	-28.44	2.55	YES	HROFDY
A0000069	0	0.35205E-07	611589.9	4173799.7	160.3	10.98	85.37	9.10	-28.11	2.55	YES	HROFDY
A0000070	0	0.35205E-07	611665.2	4173839.9	160.5	10.98	85.37	9.10	-28.11	2.55	YES	HROFDY
A0000071	0	0.35205E-07	611740.6	4173880.2	160.6	10.98	77.14	9.10	-29.65	2.55	YES	HROFDY
A0000072	0	0.35205E-07	611807.6	4173918.3	160.9	10.98	77.14	9.10	-29.65	2.55	YES	HROFDY
A0000073	0	0.35205E-07	611874.6	4173956.5	161.1	10.98	51.70	9.10	-28.61	2.55	YES	HROFDY
A0000074	0	0.35205E-07	611920.0	4173981.2	161.3	10.98	51.70	9.10	-28.61	2.55	YES	HROFDY
A0000075	0	0.35205E-07	611965.3	4174005.9	161.4	10.98	62.74	9.10	-27.41	2.55	YES	HROFDY
A0000076	0	0.35205E-07	612021.0	4174034.8	161.6	10.98	62.74	9.10	-27.41	2.55	YES	HROFDY
A0000077	0	0.35205E-07	612076.8	4174063.8	161.8	10.98	52.20	9.10	-29.60	2.55	YES	HROFDY
A0000078	0	0.35205E-07	612122.2	4174089.6	162.0	10.98	52.20	9.10	-29.60	2.55	YES	HROFDY
A0000079	0	0.35205E-07	612167.5	4174115.3	162.1	10.98	83.97	9.10	-27.82	2.55	YES	HROFDY
A0000080	0	0.35205E-07	612241.8	4174154.5	162.4	10.98	47.99	9.10	-28.22	2.55	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000081	0	0.35205E-07	612284.1	4174177.2	162.5	10.98	47.99	9.10	-28.22	2.55	YES	HROFDY
A0000082	0	0.35205E-07	612326.3	4174199.9	162.6	10.98	48.90	9.10	-27.65	2.55	YES	HROFDY
A0000083	0	0.35205E-07	612369.6	4174222.5	162.9	10.98	48.90	9.10	-27.65	2.55	YES	HROFDY
A0000084	0	0.35205E-07	612413.2	4174245.4	163.1	10.98	68.99	9.10	-31.55	2.55	YES	HROFDY
A0000085	0	0.35205E-07	612472.0	4174281.5	163.2	10.98	68.99	9.10	-31.55	2.55	YES	HROFDY
A0000086	0	0.35205E-07	612530.6	4174317.5	163.5	10.98	74.75	9.10	-27.98	2.55	YES	HROFDY
A0000087	0	0.35205E-07	612596.6	4174352.5	163.8	10.98	74.75	9.10	-27.98	2.55	YES	HROFDY
A0000088	0	0.35205E-07	612662.7	4174387.7	164.1	10.98	55.91	9.10	-29.88	2.55	YES	HROFDY
A0000089	0	0.35205E-07	612711.2	4174415.5	164.2	10.98	55.91	9.10	-29.88	2.55	YES	HROFDY
A0000090	0	0.35205E-07	612759.5	4174443.3	164.2	10.98	58.13	9.10	-27.47	2.55	YES	HROFDY
A0000091	0	0.35205E-07	612811.1	4174470.1	164.5	10.98	58.13	9.10	-27.47	2.55	YES	HROFDY
A0000092	0	0.35205E-07	612862.7	4174496.9	164.5	10.98	67.83	9.10	-28.12	2.55	YES	HROFDY
A0000093	0	0.35205E-07	612922.5	4174528.9	164.7	10.98	67.83	9.10	-28.12	2.55	YES	HROFDY
A0000094	0	0.35205E-07	612982.4	4174560.9	164.9	10.98	89.56	9.10	-28.93	2.55	YES	HROFDY
A0000095	0	0.35205E-07	613060.7	4174604.2	165.1	10.98	48.90	9.10	-27.65	2.55	YES	HROFDY
A0000096	0	0.35205E-07	613104.0	4174626.9	165.3	10.98	48.90	9.10	-27.65	2.55	YES	HROFDY
A0000097	0	0.35205E-07	613147.5	4174649.7	165.8	10.98	65.63	9.10	-30.19	2.55	YES	HROFDY
A0000098	0	0.35205E-07	613204.2	4174682.7	166.1	10.98	65.63	9.10	-30.19	2.55	YES	HROFDY
A0000099	0	0.35205E-07	613260.8	4174715.6	166.5	10.98	60.92	9.10	-28.30	2.55	YES	HROFDY
A0000100	0	0.35205E-07	613314.5	4174744.5	166.9	10.98	60.92	9.10	-28.30	2.55	YES	HROFDY
A0000101	0	0.35205E-07	613368.3	4174773.5	167.2	10.98	58.73	9.10	-30.62	2.55	YES	HROFDY
A0000102	0	0.35205E-07	613418.8	4174803.4	167.7	10.98	58.73	9.10	-30.62	2.55	YES	HROFDY
A0000103	0	0.35205E-07	613469.1	4174833.2	167.9	10.98	87.19	9.10	-27.47	2.55	YES	HROFDY
A0000104	0	0.35205E-07	613546.5	4174873.4	168.5	10.98	87.19	9.10	-27.47	2.55	YES	HROFDY

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	A0000001 , A0000002 , A0000003 , A0000004 , A0000005 , A0000006 , A0000007 , A0000008 ,
	A0000009 , A0000010 , A0000011 , A0000012 , A0000013 , A0000014 , A0000015 , A0000016 ,
	A0000017 , A0000018 , A0000019 , A0000020 , A0000021 , A0000022 , A0000023 , A0000024 ,
	A0000025 , A0000026 , A0000027 , A0000028 , A0000029 , A0000030 , A0000031 , A0000032 ,
	A0000033 , A0000034 , A0000035 , A0000036 , A0000037 , A0000038 , A0000039 , A0000040 ,
	A0000041 , A0000042 , A0000043 , A0000044 , A0000045 , A0000046 , A0000047 , A0000048 ,
	A0000049 , A0000050 , A0000051 , A0000052 , A0000053 , A0000054 , A0000055 , A0000056 ,
	A0000057 , A0000058 , A0000059 , A0000060 , A0000061 , A0000062 , A0000063 , A0000064 ,
	A0000065 , A0000066 , A0000067 , A0000068 , A0000069 , A0000070 , A0000071 , A0000072 ,
	A0000073 , A0000074 , A0000075 , A0000076 , A0000077 , A0000078 , A0000079 , A0000080 ,
	A0000081 , A0000082 , A0000083 , A0000084 , A0000085 , A0000086 , A0000087 , A0000088 ,
	A0000089 , A0000090 , A0000091 , A0000092 , A0000093 , A0000094 , A0000095 , A0000096 ,
	A0000097 , A0000098 , A0000099 , A0000100 , A0000101 , A0000102 , A0000103 , A0000104 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	4656000.	A0000001 , A0000002 , A0000003 , A0000004 , A0000005 , A0000006 , A0000007 , A0000008 ,
		A0000009 , A0000010 , A0000011 , A0000012 , A0000013 , A0000014 , A0000015 , A0000016 ,
		A0000017 , A0000018 , A0000019 , A0000020 , A0000021 , A0000022 , A0000023 , A0000024 ,
		A0000025 , A0000026 , A0000027 , A0000028 , A0000029 , A0000030 , A0000031 , A0000032 ,
		A0000033 , A0000034 , A0000035 , A0000036 , A0000037 , A0000038 , A0000039 , A0000040 ,
		A0000041 , A0000042 , A0000043 , A0000044 , A0000045 , A0000046 , A0000047 , A0000048 ,
		A0000049 , A0000050 , A0000051 , A0000052 , A0000053 , A0000054 , A0000055 , A0000056 ,
		A0000057 , A0000058 , A0000059 , A0000060 , A0000061 , A0000062 , A0000063 , A0000064 ,
		A0000065 , A0000066 , A0000067 , A0000068 , A0000069 , A0000070 , A0000071 , A0000072 ,
		A0000073 , A0000074 , A0000075 , A0000076 , A0000077 , A0000078 , A0000079 , A0000080 ,
		A0000081 , A0000082 , A0000083 , A0000084 , A0000085 , A0000086 , A0000087 , A0000088 ,
		A0000089 , A0000090 , A0000091 , A0000092 , A0000093 , A0000094 , A0000095 , A0000096 ,
		A0000097 , A0000098 , A0000099 , A0000100 , A0000101 , A0000102 , A0000103 , A0000104 ,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000001 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000002 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000003 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000004 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000005 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000006 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000007 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000008 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000009 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000010 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000011 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000012 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000013 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000014 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000015 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000016 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000017 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000018 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000019 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000020 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SOURCE ID = A0000021 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = A0000022 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = A0000023 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = A0000024 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = A0000025 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000026 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000027 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000028 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000029 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000030 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000031 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000032 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000033 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000034 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000035 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000036 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000037 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000038 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000039 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000040 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000041 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000042 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000043 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000044 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000045 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000046 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000047 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000048 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000049 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000050 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000051 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000052 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000053 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000054 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000055 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000056 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000057 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000058 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000059 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000060 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000061 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000062 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000063 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000064 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000065 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000066 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000067 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000068 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000069 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000070 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000071 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000072 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000073 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000074 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000075 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000076 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000077 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000078 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000079 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000080 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = A0000081 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000082 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000083 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000084 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000085 ; SOURCE TYPE = AREA :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000086 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000087 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000088 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000089 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000090 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000091 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000092 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000093 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000094 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000095 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000096 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000097 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000098 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000099 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000100 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = A0000101 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000102 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000103 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = A0000104 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(612230.0,	4174246.2,	162.1,	162.1,	0.0);	(612206.8,	4174226.3,	162.4,	162.4,	0.0);
(612153.2,	4174212.6,	161.5,	161.5,	0.0);	(612148.0,	4174192.6,	161.6,	161.6,	0.0);
(612132.2,	4174184.2,	161.6,	161.6,	0.0);	(612112.2,	4174172.6,	161.2,	161.2,	0.0);
(612078.6,	4174151.6,	161.4,	161.4,	0.0);	(612053.3,	4174136.9,	161.4,	161.4,	0.0);
(612031.2,	4174124.3,	160.9,	160.9,	0.0);	(612011.3,	4174114.8,	160.6,	160.6,	0.0);
(611974.5,	4174094.8,	160.9,	160.9,	0.0);	(611952.4,	4174085.4,	161.1,	161.1,	0.0);
(611929.2,	4174071.7,	160.4,	160.4,	0.0);	(611892.5,	4174060.1,	160.7,	160.7,	0.0);
(611867.2,	4174047.5,	160.7,	160.7,	0.0);	(611842.0,	4174034.9,	160.6,	160.6,	0.0);
(611815.7,	4174025.4,	160.4,	160.4,	0.0);	(611792.6,	4174016.0,	160.4,	160.4,	0.0);
(611769.4,	4174008.6,	160.1,	160.1,	0.0);	(611744.2,	4174001.3,	159.8,	159.8,	0.0);
(611435.1,	4173766.8,	159.2,	159.2,	0.0);	(611478.4,	4173791.8,	158.9,	158.9,	0.0);
(611500.0,	4173804.3,	159.1,	159.1,	0.0);	(611521.7,	4173816.8,	159.0,	159.0,	0.0);
(611543.3,	4173829.3,	159.2,	159.2,	0.0);	(611565.0,	4173841.8,	159.4,	159.4,	0.0);
(611586.6,	4173854.3,	159.4,	159.4,	0.0);	(611608.3,	4173866.8,	159.5,	159.5,	0.0);
(611629.9,	4173879.3,	159.4,	159.4,	0.0);	(611651.6,	4173891.8,	159.6,	159.6,	0.0);
(611759.0,	4174034.8,	159.8,	159.8,	0.0);	(611782.0,	4174044.5,	159.9,	159.9,	0.0);
(611805.0,	4174054.3,	160.1,	160.1,	0.0);	(611828.1,	4174064.1,	160.2,	160.2,	0.0);
(611851.1,	4174073.8,	160.1,	160.1,	0.0);	(611874.1,	4174083.6,	160.3,	160.3,	0.0);
(611897.1,	4174093.4,	160.1,	160.1,	0.0);	(611920.1,	4174103.1,	160.0,	160.0,	0.0);
(611943.1,	4174112.9,	160.7,	160.7,	0.0);	(611966.1,	4174122.7,	160.9,	160.9,	0.0);
(612012.2,	4174142.2,	160.6,	160.6,	0.0);	(612035.2,	4174152.0,	160.8,	160.8,	0.0);
(612058.2,	4174161.8,	161.3,	161.3,	0.0);	(612081.2,	4174171.5,	161.0,	161.0,	0.0);
(611759.0,	4174084.8,	159.8,	159.8,	0.0);	(611782.0,	4174094.5,	160.0,	160.0,	0.0);
(611805.0,	4174104.3,	160.2,	160.2,	0.0);	(611828.1,	4174114.1,	160.3,	160.3,	0.0);
(611851.1,	4174123.8,	160.2,	160.2,	0.0);	(611874.1,	4174133.6,	160.3,	160.3,	0.0);
(611897.1,	4174143.4,	160.2,	160.2,	0.0);	(611920.1,	4174153.1,	159.8,	159.8,	0.0);
(611943.1,	4174162.9,	160.2,	160.2,	0.0);	(611966.1,	4174172.7,	160.8,	160.8,	0.0);
(612012.2,	4174192.2,	160.4,	160.4,	0.0);	(612035.2,	4174202.0,	160.8,	160.8,	0.0);
(612058.2,	4174211.8,	161.1,	161.1,	0.0);	(612081.2,	4174221.5,	160.9,	160.9,	0.0);
(611759.0,	4174119.8,	159.5,	159.5,	0.0);	(611782.0,	4174129.5,	159.4,	159.4,	0.0);
(611805.0,	4174139.3,	159.7,	159.7,	0.0);	(611828.1,	4174149.1,	159.8,	159.8,	0.0);
(611851.1,	4174158.8,	159.7,	159.7,	0.0);	(611874.1,	4174168.6,	159.6,	159.6,	0.0);
(611897.1,	4174178.4,	159.4,	159.4,	0.0);	(611920.1,	4174188.1,	159.7,	159.7,	0.0);
(611943.1,	4174197.9,	160.1,	160.1,	0.0);	(611966.1,	4174207.7,	160.6,	160.6,	0.0);
(612012.2,	4174227.2,	160.3,	160.3,	0.0);	(612035.2,	4174237.0,	160.6,	160.6,	0.0);
(612058.2,	4174246.8,	160.9,	160.9,	0.0);	(612081.2,	4174256.5,	160.6,	160.6,	0.0);
(611759.9,	4174187.3,	159.4,	159.4,	0.0);	(611783.8,	4174194.6,	159.7,	159.7,	0.0);
(611807.7,	4174201.9,	159.8,	159.8,	0.0);	(611831.6,	4174209.2,	159.7,	159.7,	0.0);
(611855.5,	4174216.5,	159.7,	159.7,	0.0);	(611879.5,	4174223.9,	159.9,	159.9,	0.0);
(611903.4,	4174231.2,	160.0,	160.0,	0.0);	(611927.3,	4174238.5,	160.3,	160.3,	0.0);
(611951.2,	4174245.8,	159.8,	159.8,	0.0);	(611975.1,	4174253.1,	159.6,	159.6,	0.0);
(611999.0,	4174260.4,	159.8,	159.8,	0.0);	(612022.9,	4174267.7,	160.0,	160.0,	0.0);
(612046.8,	4174275.0,	160.7,	160.7,	0.0);	(612070.7,	4174282.3,	160.7,	160.7,	0.0);
(612094.6,	4174289.6,	160.2,	160.2,	0.0);	(611760.2,	4174266.5,	159.4,	159.4,	0.0);
(611784.3,	4174272.9,	159.4,	159.4,	0.0);	(611808.4,	4174279.4,	159.5,	159.5,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(611832.6,	4174285.9,	159.7,	159.7,	0.0);	(611856.7,	4174292.3,	159.9,	159.9,	0.0);
(611880.9,	4174298.8,	159.7,	159.7,	0.0);	(611905.0,	4174305.3,	159.7,	159.7,	0.0);
(611929.2,	4174311.8,	160.2,	160.2,	0.0);	(611953.3,	4174318.2,	160.5,	160.5,	0.0);
(611977.5,	4174324.7,	160.6,	160.6,	0.0);	(612001.6,	4174331.2,	160.7,	160.7,	0.0);
(612025.8,	4174337.6,	160.7,	160.7,	0.0);	(612049.9,	4174344.1,	160.7,	160.7,	0.0);
(612074.1,	4174350.6,	161.0,	161.0,	0.0);	(612098.2,	4174357.1,	161.5,	161.5,	0.0);
(612111.0,	4174254.1,	160.9,	160.9,	0.0);	(612135.5,	4174259.5,	161.3,	161.3,	0.0);
(612150.5,	4174252.7,	161.6,	161.6,	0.0);	(612198.1,	4174250.0,	162.3,	162.3,	0.0);
(612231.4,	4174277.9,	162.0,	162.0,	0.0);	(612200.8,	4174280.6,	162.2,	162.2,	0.0);
(612200.1,	4174309.1,	161.8,	161.8,	0.0);	(612147.8,	4174304.4,	161.5,	161.5,	0.0);
(612128.0,	4174292.1,	160.9,	160.9,	0.0);	(612148.4,	4174333.6,	161.3,	161.3,	0.0);
(612149.8,	4174358.8,	161.2,	161.2,	0.0);	(612199.4,	4174368.3,	161.6,	161.6,	0.0);
(612201.5,	4174341.1,	161.9,	161.9,	0.0);	(612229.3,	4174308.5,	161.9,	161.9,	0.0);
(612227.8,	4174341.2,	161.7,	161.7,	0.0);	(612227.8,	4174366.0,	161.6,	161.6,	0.0);
(612199.7,	4174399.0,	161.8,	161.8,	0.0);	(612231.3,	4174395.1,	161.4,	161.4,	0.0);
(611350.0,	4173760.0,	158.7,	158.7,	0.0);	(611375.0,	4173760.0,	158.9,	158.9,	0.0);
(611400.0,	4173760.0,	158.9,	158.9,	0.0);	(611425.0,	4173760.0,	159.2,	159.2,	0.0);
(611350.0,	4173785.0,	158.7,	158.7,	0.0);	(611375.0,	4173785.0,	158.7,	158.7,	0.0);
(611400.0,	4173785.0,	159.0,	159.0,	0.0);	(611425.0,	4173785.0,	159.0,	159.0,	0.0);
(611450.0,	4173785.0,	158.9,	158.9,	0.0);	(611325.0,	4173810.0,	158.4,	158.4,	0.0);
(611350.0,	4173810.0,	158.9,	158.9,	0.0);	(611375.0,	4173810.0,	158.7,	158.7,	0.0);
(611400.0,	4173810.0,	159.4,	159.4,	0.0);	(611425.0,	4173810.0,	159.1,	159.1,	0.0);
(611450.0,	4173810.0,	158.8,	158.8,	0.0);	(611475.0,	4173810.0,	158.8,	158.8,	0.0);
(611500.0,	4173810.0,	159.0,	159.0,	0.0);	(611325.0,	4173835.0,	158.4,	158.4,	0.0);
(611350.0,	4173835.0,	158.9,	158.9,	0.0);	(611375.0,	4173835.0,	158.8,	158.8,	0.0);
(611400.0,	4173835.0,	158.8,	158.8,	0.0);	(611425.0,	4173835.0,	158.8,	158.8,	0.0);
(611450.0,	4173835.0,	158.7,	158.7,	0.0);	(611475.0,	4173835.0,	158.7,	158.7,	0.0);
(611500.0,	4173835.0,	158.9,	158.9,	0.0);	(611525.0,	4173835.0,	159.0,	159.0,	0.0);
(611550.0,	4173835.0,	159.3,	159.3,	0.0);	(611300.0,	4173860.0,	158.3,	158.3,	0.0);
(611325.0,	4173860.0,	158.5,	158.5,	0.0);	(611350.0,	4173860.0,	158.7,	158.7,	0.0);
(611375.0,	4173860.0,	158.5,	158.5,	0.0);	(611400.0,	4173860.0,	159.0,	159.0,	0.0);
(611425.0,	4173860.0,	158.6,	158.6,	0.0);	(611450.0,	4173860.0,	158.5,	158.5,	0.0);
(611475.0,	4173860.0,	159.0,	159.0,	0.0);	(611500.0,	4173860.0,	159.2,	159.2,	0.0);
(611525.0,	4173860.0,	159.2,	159.2,	0.0);	(611550.0,	4173860.0,	159.2,	159.2,	0.0);
(611575.0,	4173860.0,	159.3,	159.3,	0.0);	(611600.0,	4173860.0,	159.5,	159.5,	0.0);
(611275.0,	4173885.0,	157.8,	157.8,	0.0);	(611300.0,	4173885.0,	158.2,	158.2,	0.0);
(611325.0,	4173885.0,	158.2,	158.2,	0.0);	(611350.0,	4173885.0,	158.4,	158.4,	0.0);
(611375.0,	4173885.0,	158.6,	158.6,	0.0);	(611400.0,	4173885.0,	158.6,	158.6,	0.0);
(611425.0,	4173885.0,	158.3,	158.3,	0.0);	(611450.0,	4173885.0,	158.5,	158.5,	0.0);
(611475.0,	4173885.0,	159.2,	159.2,	0.0);	(611500.0,	4173885.0,	159.2,	159.2,	0.0);
(611525.0,	4173885.0,	159.2,	159.2,	0.0);	(611550.0,	4173885.0,	159.4,	159.4,	0.0);
(611575.0,	4173885.0,	159.4,	159.4,	0.0);	(611600.0,	4173885.0,	159.4,	159.4,	0.0);
(611625.0,	4173885.0,	159.4,	159.4,	0.0);	(611650.0,	4173885.0,	159.7,	159.7,	0.0);
(611275.0,	4173910.0,	158.1,	158.1,	0.0);	(611300.0,	4173910.0,	158.3,	158.3,	0.0);
(611325.0,	4173910.0,	158.5,	158.5,	0.0);	(611350.0,	4173910.0,	158.6,	158.6,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	611375.0,	4173910.0,	158.6,	158.6,	0.0);	(611400.0,	4173910.0,	158.3,	158.3,	0.0);
(	611425.0,	4173910.0,	158.3,	158.3,	0.0);	(611450.0,	4173910.0,	158.8,	158.8,	0.0);
(	611475.0,	4173910.0,	159.0,	159.0,	0.0);	(611500.0,	4173910.0,	159.3,	159.3,	0.0);
(	611525.0,	4173910.0,	159.0,	159.0,	0.0);	(611550.0,	4173910.0,	158.9,	158.9,	0.0);
(	611575.0,	4173910.0,	159.2,	159.2,	0.0);	(611600.0,	4173910.0,	159.6,	159.6,	0.0);
(	611625.0,	4173910.0,	159.5,	159.5,	0.0);	(611650.0,	4173910.0,	159.3,	159.3,	0.0);
(	611250.0,	4173935.0,	157.5,	157.5,	0.0);	(611275.0,	4173935.0,	157.8,	157.8,	0.0);
(	611300.0,	4173935.0,	157.9,	157.9,	0.0);	(611325.0,	4173935.0,	158.4,	158.4,	0.0);
(	611350.0,	4173935.0,	158.5,	158.5,	0.0);	(611375.0,	4173935.0,	158.4,	158.4,	0.0);
(	611400.0,	4173935.0,	158.2,	158.2,	0.0);	(611425.0,	4173935.0,	158.3,	158.3,	0.0);
(	611450.0,	4173935.0,	158.9,	158.9,	0.0);	(611475.0,	4173935.0,	159.0,	159.0,	0.0);
(	611500.0,	4173935.0,	159.3,	159.3,	0.0);	(611525.0,	4173935.0,	159.1,	159.1,	0.0);
(	611550.0,	4173935.0,	158.8,	158.8,	0.0);	(611575.0,	4173935.0,	158.8,	158.8,	0.0);
(	611600.0,	4173935.0,	159.0,	159.0,	0.0);	(611625.0,	4173935.0,	159.2,	159.2,	0.0);
(	611650.0,	4173935.0,	159.2,	159.2,	0.0);	(611250.0,	4173960.0,	157.6,	157.6,	0.0);
(	611275.0,	4173960.0,	158.1,	158.1,	0.0);	(611300.0,	4173960.0,	157.8,	157.8,	0.0);
(	611325.0,	4173960.0,	158.0,	158.0,	0.0);	(611350.0,	4173960.0,	158.2,	158.2,	0.0);
(	611375.0,	4173960.0,	158.2,	158.2,	0.0);	(611400.0,	4173960.0,	158.1,	158.1,	0.0);
(	611425.0,	4173960.0,	158.5,	158.5,	0.0);	(611450.0,	4173960.0,	158.6,	158.6,	0.0);
(	611475.0,	4173960.0,	158.7,	158.7,	0.0);	(611500.0,	4173960.0,	158.5,	158.5,	0.0);
(	611525.0,	4173960.0,	158.7,	158.7,	0.0);	(611550.0,	4173960.0,	158.6,	158.6,	0.0);
(	611575.0,	4173960.0,	159.0,	159.0,	0.0);	(611600.0,	4173960.0,	159.0,	159.0,	0.0);
(	611625.0,	4173960.0,	159.2,	159.2,	0.0);	(611650.0,	4173960.0,	159.1,	159.1,	0.0);
(	611250.0,	4173985.0,	157.2,	157.2,	0.0);	(611275.0,	4173985.0,	157.3,	157.3,	0.0);
(	611300.0,	4173985.0,	157.8,	157.8,	0.0);	(611325.0,	4173985.0,	157.8,	157.8,	0.0);
(	611350.0,	4173985.0,	157.6,	157.6,	0.0);	(611375.0,	4173985.0,	158.4,	158.4,	0.0);
(	611400.0,	4173985.0,	158.2,	158.2,	0.0);	(611425.0,	4173985.0,	158.2,	158.2,	0.0);
(	611450.0,	4173985.0,	158.5,	158.5,	0.0);	(611475.0,	4173985.0,	158.6,	158.6,	0.0);
(	611500.0,	4173985.0,	158.2,	158.2,	0.0);	(611525.0,	4173985.0,	158.3,	158.3,	0.0);
(	611550.0,	4173985.0,	158.5,	158.5,	0.0);	(611575.0,	4173985.0,	158.7,	158.7,	0.0);
(	611600.0,	4173985.0,	159.2,	159.2,	0.0);	(611625.0,	4173985.0,	159.3,	159.3,	0.0);
(	611650.0,	4173985.0,	159.4,	159.4,	0.0);	(611300.0,	4174010.0,	157.3,	157.3,	0.0);
(	611325.0,	4174010.0,	157.4,	157.4,	0.0);	(611350.0,	4174010.0,	157.8,	157.8,	0.0);
(	611375.0,	4174010.0,	158.0,	158.0,	0.0);	(611400.0,	4174010.0,	158.3,	158.3,	0.0);
(	611425.0,	4174010.0,	158.4,	158.4,	0.0);	(611450.0,	4174010.0,	158.5,	158.5,	0.0);
(	611475.0,	4174010.0,	158.2,	158.2,	0.0);	(611500.0,	4174010.0,	158.1,	158.1,	0.0);
(	611525.0,	4174010.0,	158.5,	158.5,	0.0);	(611550.0,	4174010.0,	158.5,	158.5,	0.0);
(	611575.0,	4174010.0,	158.6,	158.6,	0.0);	(611600.0,	4174010.0,	158.9,	158.9,	0.0);
(	611625.0,	4174010.0,	159.3,	159.3,	0.0);	(611650.0,	4174010.0,	159.0,	159.0,	0.0);
(	611350.0,	4174035.0,	157.5,	157.5,	0.0);	(611375.0,	4174035.0,	157.6,	157.6,	0.0);
(	611400.0,	4174035.0,	157.9,	157.9,	0.0);	(611425.0,	4174035.0,	158.3,	158.3,	0.0);
(	611450.0,	4174035.0,	158.2,	158.2,	0.0);	(611475.0,	4174035.0,	157.9,	157.9,	0.0);
(	611500.0,	4174035.0,	158.3,	158.3,	0.0);	(611525.0,	4174035.0,	158.3,	158.3,	0.0);
(	611550.0,	4174035.0,	158.4,	158.4,	0.0);	(611575.0,	4174035.0,	158.8,	158.8,	0.0);
(	611600.0,	4174035.0,	158.7,	158.7,	0.0);	(611625.0,	4174035.0,	158.8,	158.8,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(611650.0,	4174035.0,	159.1,	159.1,	0.0);	(611375.0,	4174060.0,	157.5,	157.5,	0.0);
(611400.0,	4174060.0,	157.9,	157.9,	0.0);	(611425.0,	4174060.0,	157.9,	157.9,	0.0);
(611450.0,	4174060.0,	158.1,	158.1,	0.0);	(611475.0,	4174060.0,	158.1,	158.1,	0.0);
(611500.0,	4174060.0,	158.1,	158.1,	0.0);	(611525.0,	4174060.0,	158.4,	158.4,	0.0);
(611550.0,	4174060.0,	158.7,	158.7,	0.0);	(611575.0,	4174060.0,	158.4,	158.4,	0.0);
(611600.0,	4174060.0,	158.6,	158.6,	0.0);	(611625.0,	4174060.0,	159.0,	159.0,	0.0);
(611650.0,	4174060.0,	159.1,	159.1,	0.0);	(611400.0,	4174085.0,	157.6,	157.6,	0.0);
(611425.0,	4174085.0,	157.8,	157.8,	0.0);	(611450.0,	4174085.0,	158.0,	158.0,	0.0);
(611475.0,	4174085.0,	158.3,	158.3,	0.0);	(611500.0,	4174085.0,	158.4,	158.4,	0.0);
(611525.0,	4174085.0,	158.4,	158.4,	0.0);	(611550.0,	4174085.0,	158.2,	158.2,	0.0);
(611575.0,	4174085.0,	158.7,	158.7,	0.0);	(611600.0,	4174085.0,	158.9,	158.9,	0.0);
(611625.0,	4174085.0,	159.0,	159.0,	0.0);	(611650.0,	4174085.0,	158.9,	158.9,	0.0);
(611425.0,	4174110.0,	157.5,	157.5,	0.0);	(611450.0,	4174110.0,	158.2,	158.2,	0.0);
(611475.0,	4174110.0,	158.1,	158.1,	0.0);	(611500.0,	4174110.0,	158.2,	158.2,	0.0);
(611525.0,	4174110.0,	158.1,	158.1,	0.0);	(611550.0,	4174110.0,	158.2,	158.2,	0.0);
(611575.0,	4174110.0,	158.8,	158.8,	0.0);	(611600.0,	4174110.0,	158.9,	158.9,	0.0);
(611625.0,	4174110.0,	158.9,	158.9,	0.0);	(611650.0,	4174110.0,	158.8,	158.8,	0.0);
(611450.0,	4174135.0,	157.7,	157.7,	0.0);	(611475.0,	4174135.0,	157.9,	157.9,	0.0);
(611500.0,	4174135.0,	158.0,	158.0,	0.0);	(611525.0,	4174135.0,	158.5,	158.5,	0.0);
(611550.0,	4174135.0,	158.4,	158.4,	0.0);	(611575.0,	4174135.0,	158.6,	158.6,	0.0);
(611600.0,	4174135.0,	158.9,	158.9,	0.0);	(611625.0,	4174135.0,	159.0,	159.0,	0.0);
(611650.0,	4174135.0,	158.7,	158.7,	0.0);	(612954.0,	4174700.0,	163.6,	163.6,	0.0);
(612979.0,	4174700.0,	163.4,	163.4,	0.0);	(613004.0,	4174700.0,	163.7,	163.7,	0.0);
(612954.0,	4174725.0,	163.4,	163.4,	0.0);	(612979.0,	4174725.0,	163.5,	163.5,	0.0);
(613004.0,	4174725.0,	163.6,	163.6,	0.0);	(612929.0,	4174750.0,	163.6,	163.6,	0.0);
(612954.0,	4174750.0,	163.8,	163.8,	0.0);	(612979.0,	4174750.0,	164.1,	164.1,	0.0);
(613004.0,	4174750.0,	163.9,	163.9,	0.0);	(612854.0,	4174775.0,	163.0,	163.0,	0.0);
(612879.0,	4174775.0,	163.5,	163.5,	0.0);	(612904.0,	4174775.0,	163.6,	163.6,	0.0);
(612929.0,	4174775.0,	163.8,	163.8,	0.0);	(612954.0,	4174775.0,	164.1,	164.1,	0.0);
(612979.0,	4174775.0,	164.4,	164.4,	0.0);	(613004.0,	4174775.0,	164.0,	164.0,	0.0);
(612829.0,	4174800.0,	163.5,	163.5,	0.0);	(612854.0,	4174800.0,	163.8,	163.8,	0.0);
(612879.0,	4174800.0,	164.0,	164.0,	0.0);	(612904.0,	4174800.0,	164.4,	164.4,	0.0);
(612929.0,	4174800.0,	164.6,	164.6,	0.0);	(612954.0,	4174800.0,	164.9,	164.9,	0.0);
(612979.0,	4174800.0,	164.4,	164.4,	0.0);	(613004.0,	4174800.0,	164.2,	164.2,	0.0);
(612804.0,	4174825.0,	162.8,	162.8,	0.0);	(612829.0,	4174825.0,	163.1,	163.1,	0.0);
(612854.0,	4174825.0,	163.2,	163.2,	0.0);	(612879.0,	4174825.0,	163.5,	163.5,	0.0);
(612904.0,	4174825.0,	163.7,	163.7,	0.0);	(612929.0,	4174825.0,	163.9,	163.9,	0.0);
(612954.0,	4174825.0,	164.2,	164.2,	0.0);	(612979.0,	4174825.0,	164.3,	164.3,	0.0);
(613004.0,	4174825.0,	164.3,	164.3,	0.0);	(612804.0,	4174850.0,	163.6,	163.6,	0.0);
(612829.0,	4174850.0,	163.8,	163.8,	0.0);	(612854.0,	4174850.0,	163.3,	163.3,	0.0);
(612879.0,	4174850.0,	164.0,	164.0,	0.0);	(612904.0,	4174850.0,	164.1,	164.1,	0.0);
(612929.0,	4174850.0,	163.9,	163.9,	0.0);	(612954.0,	4174850.0,	164.5,	164.5,	0.0);
(612979.0,	4174850.0,	164.8,	164.8,	0.0);	(613004.0,	4174850.0,	164.3,	164.3,	0.0);
(612804.0,	4174875.0,	163.6,	163.6,	0.0);	(612829.0,	4174875.0,	164.0,	164.0,	0.0);
(612854.0,	4174875.0,	163.4,	163.4,	0.0);	(612879.0,	4174875.0,	164.0,	164.0,	0.0);

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(612904.0,	4174875.0,	164.2,	164.2,	0.0);	(612929.0,	4174875.0,	164.1,	164.1,	0.0);
(612954.0,	4174875.0,	164.6,	164.6,	0.0);	(612979.0,	4174875.0,	164.9,	164.9,	0.0);
(613004.0,	4174875.0,	164.6,	164.6,	0.0);	(612779.0,	4174900.0,	163.3,	163.3,	0.0);
(612804.0,	4174900.0,	163.8,	163.8,	0.0);	(612829.0,	4174900.0,	164.0,	164.0,	0.0);
(612854.0,	4174900.0,	163.6,	163.6,	0.0);	(612879.0,	4174900.0,	164.3,	164.3,	0.0);
(612904.0,	4174900.0,	164.1,	164.1,	0.0);	(612929.0,	4174900.0,	164.3,	164.3,	0.0);
(612954.0,	4174900.0,	164.9,	164.9,	0.0);	(612979.0,	4174900.0,	164.9,	164.9,	0.0);
(613004.0,	4174900.0,	164.7,	164.7,	0.0);	(612779.0,	4174925.0,	163.5,	163.5,	0.0);
(612804.0,	4174925.0,	163.6,	163.6,	0.0);	(612829.0,	4174925.0,	163.8,	163.8,	0.0);
(612854.0,	4174925.0,	163.9,	163.9,	0.0);	(612879.0,	4174925.0,	164.5,	164.5,	0.0);
(612904.0,	4174925.0,	164.4,	164.4,	0.0);	(612929.0,	4174925.0,	164.6,	164.6,	0.0);
(612954.0,	4174925.0,	164.7,	164.7,	0.0);	(612979.0,	4174925.0,	164.9,	164.9,	0.0);
(613004.0,	4174925.0,	165.0,	165.0,	0.0);	(612926.7,	4174737.3,	163.4,	163.4,	0.0);
(612887.9,	4174756.9,	163.1,	163.1,	0.0);	(612932.4,	4174707.8,	163.6,	163.6,	0.0);
(612910.5,	4174717.6,	163.5,	163.5,	0.0);	(612893.1,	4174726.3,	163.5,	163.5,	0.0);
(612874.6,	4174734.9,	163.3,	163.3,	0.0);	(612855.6,	4174741.9,	163.1,	163.1,	0.0);
(612834.8,	4174751.1,	162.9,	162.9,	0.0);					

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

```
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\..\..\..\metdata\AQMD\724927_Livermore\724927.SFC Met Version: 14134
Profile file: ..\..\..\..\metdata\AQMD\724927_Livermore\724927.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23285 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2009 Year: 2009

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
09	01	01	1	01	-12.6	0.221	-9.000	-9.000	-999.	250.	77.5	0.11	0.90	1.00	2.86	51.	10.0	279.2	2.0
09	01	01	1	02	-23.5	0.413	-9.000	-9.000	-999.	637.	269.8	0.11	0.90	1.00	4.86	48.	10.0	279.2	2.0
09	01	01	1	03	-11.1	0.195	-9.000	-9.000	-999.	254.	59.8	0.07	0.90	1.00	2.86	94.	10.0	278.8	2.0
09	01	01	1	04	-9.5	0.166	-9.000	-9.000	-999.	164.	43.7	0.11	0.90	1.00	2.36	53.	10.0	278.1	2.0
09	01	01	1	05	-11.1	0.195	-9.000	-9.000	-999.	206.	59.6	0.07	0.90	1.00	2.86	63.	10.0	278.1	2.0
09	01	01	1	06	-8.2	0.143	-9.000	-9.000	-999.	131.	32.3	0.07	0.90	1.00	2.36	72.	10.0	278.1	2.0
09	01	01	1	07	-8.2	0.143	-9.000	-9.000	-999.	130.	32.3	0.07	0.90	1.00	2.36	75.	10.0	278.1	2.0
09	01	01	1	08	-4.1	0.078	-9.000	-9.000	-999.	53.	10.3	0.11	0.90	0.75	1.76	13.	10.0	277.5	2.0
09	01	01	1	09	-6.3	0.246	-9.000	-9.000	-999.	292.	211.6	0.12	0.90	0.40	2.86	347.	10.0	278.1	2.0
09	01	01	1	10	6.6	0.303	0.261	0.016	96.	401.	-378.3	0.11	0.90	0.27	3.36	51.	10.0	278.8	2.0
09	01	01	1	11	15.4	0.317	0.422	0.017	176.	429.	-186.8	0.07	0.90	0.23	3.86	94.	10.0	279.9	2.0
09	01	01	1	12	47.5	0.448	0.742	0.017	309.	720.	-170.5	0.11	0.90	0.22	4.86	56.	10.0	280.9	2.0
09	01	01	1	13	49.0	0.405	0.820	0.014	403.	621.	-122.0	0.07	0.90	0.21	4.86	63.	10.0	281.4	2.0
09	01	01	1	14	42.7	0.405	0.809	0.014	444.	619.	-139.5	0.11	0.90	0.22	4.36	59.	10.0	282.0	2.0
09	01	01	1	15	60.8	0.372	0.922	0.014	463.	545.	-75.6	0.07	0.90	0.25	4.36	72.	10.0	281.4	2.0
09	01	01	1	16	14.1	0.309	0.569	0.016	467.	414.	-187.5	0.11	0.90	0.34	3.36	54.	10.0	282.0	2.0
09	01	01	1	17	-30.4	0.311	-9.000	-9.000	-999.	417.	89.1	0.07	0.90	0.58	4.36	61.	10.0	280.4	2.0
09	01	01	1	18	-27.0	0.239	-9.000	-9.000	-999.	282.	45.2	0.11	0.90	1.00	3.36	47.	10.0	279.9	2.0
09	01	01	1	19	-14.9	0.131	-9.000	-9.000	-999.	120.	13.7	0.07	0.90	1.00	2.86	64.	10.0	279.2	2.0
09	01	01	1	20	-5.8	0.078	-9.000	-9.000	-999.	53.	7.3	0.11	0.90	1.00	1.76	47.	10.0	278.8	2.0
09	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	0.90	1.00	0.00	0.	10.0	277.5	2.0
09	01	01	1	22	-4.9	0.070	-9.000	-9.000	-999.	44.	6.2	0.07	0.90	1.00	1.76	82.	10.0	276.4	2.0
09	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	0.90	1.00	0.00	0.	10.0	277.0	2.0
09	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	0.90	1.00	0.00	0.	10.0	277.0	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
09	01	01	01	10.0	1	51.	2.86	279.3	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
612229.96	4174246.24	0.00211	612206.83	4174226.27	0.00223
612153.21	4174212.60	0.00199	612147.95	4174192.62	0.00224
612132.18	4174184.21	0.00225	612112.20	4174172.64	0.00224
612078.55	4174151.61	0.00231	612053.32	4174136.89	0.00234
612031.24	4174124.28	0.00233	612011.26	4174114.81	0.00230
611974.46	4174094.84	0.00232	611952.38	4174085.37	0.00229
611929.25	4174071.71	0.00228	611892.45	4174060.14	0.00216
611867.22	4174047.52	0.00215	611841.98	4174034.91	0.00213
611815.70	4174025.44	0.00206	611792.56	4174015.98	0.00202
611769.43	4174008.62	0.00194	611744.20	4174001.26	0.00186
611435.08	4173766.79	0.00309	611478.38	4173791.79	0.00299
611500.03	4173804.29	0.00302	611521.68	4173816.79	0.00297
611543.33	4173829.29	0.00298	611564.98	4173841.79	0.00295
611586.63	4173854.29	0.00294	611608.29	4173866.79	0.00291
611629.94	4173879.29	0.00283	611651.59	4173891.79	0.00283
611759.01	4174034.77	0.00161	611782.03	4174044.54	0.00163
611805.04	4174054.30	0.00166	611828.05	4174064.07	0.00169
611851.06	4174073.84	0.00171	611874.08	4174083.61	0.00174
611897.09	4174093.38	0.00176	611920.10	4174103.15	0.00178
611943.11	4174112.91	0.00183	611966.13	4174122.68	0.00187
612012.15	4174142.22	0.00191	612035.16	4174151.99	0.00195
612058.18	4174161.76	0.00199	612081.19	4174171.52	0.00201
611759.01	4174084.77	0.00127	611782.03	4174094.54	0.00129
611805.04	4174104.30	0.00131	611828.05	4174114.07	0.00132
611851.06	4174123.84	0.00134	611874.08	4174133.61	0.00135
611897.09	4174143.38	0.00137	611920.10	4174153.15	0.00137
611943.11	4174162.91	0.00140	611966.13	4174172.68	0.00143
612012.15	4174192.22	0.00145	612035.16	4174201.99	0.00147
612058.18	4174211.76	0.00150	612081.19	4174221.52	0.00151
611759.01	4174119.77	0.00110	611782.03	4174129.54	0.00111
611805.04	4174139.30	0.00112	611828.05	4174149.07	0.00113
611851.06	4174158.84	0.00114	611874.08	4174168.61	0.00115
611897.09	4174178.38	0.00116	611920.10	4174188.15	0.00118
611943.11	4174197.91	0.00120	611966.13	4174207.68	0.00122
612012.15	4174227.22	0.00124	612035.16	4174236.99	0.00125
612058.18	4174246.76	0.00127	612081.19	4174256.52	0.00128
611759.91	4174187.31	0.00086	611783.82	4174194.62	0.00088
611807.72	4174201.93	0.00090	611831.63	4174209.24	0.00092
611855.54	4174216.55	0.00093	611879.45	4174223.86	0.00095
611903.35	4174231.17	0.00097	611927.26	4174238.47	0.00099

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
611951.17	4174245.78	0.00101	611975.08	4174253.09	0.00102
611998.98	4174260.40	0.00104	612022.89	4174267.71	0.00107
612046.80	4174275.02	0.00110	612070.71	4174282.33	0.00112
612094.61	4174289.64	0.00114	611760.15	4174266.47	0.00068
611784.30	4174272.94	0.00069	611808.44	4174279.41	0.00071
611832.59	4174285.88	0.00072	611856.74	4174292.35	0.00074
611880.89	4174298.82	0.00075	611905.04	4174305.29	0.00076
611929.19	4174311.76	0.00078	611953.33	4174318.23	0.00080
611977.48	4174324.70	0.00081	612001.63	4174331.18	0.00083
612025.78	4174337.65	0.00085	612049.93	4174344.12	0.00086
612074.07	4174350.59	0.00088	612098.22	4174357.06	0.00091
612111.04	4174254.09	0.00139	612135.51	4174259.53	0.00145
612150.47	4174252.73	0.00157	612198.05	4174250.01	0.00185
612231.36	4174277.88	0.00174	612200.77	4174280.60	0.00157
612200.09	4174309.15	0.00136	612147.75	4174304.39	0.00122
612128.04	4174292.15	0.00122	612148.43	4174333.62	0.00109
612149.79	4174358.77	0.00099	612199.41	4174368.29	0.00106
612201.45	4174341.10	0.00119	612229.32	4174308.47	0.00147
612227.77	4174341.21	0.00126	612227.77	4174366.05	0.00113
612199.73	4174399.05	0.00094	612231.31	4174395.15	0.00101
611350.00	4173760.00	0.00222	611375.00	4173760.00	0.00244
611400.00	4173760.00	0.00268	611425.00	4173760.00	0.00310
611350.00	4173785.00	0.00188	611375.00	4173785.00	0.00204
611400.00	4173785.00	0.00223	611425.00	4173785.00	0.00247
611450.00	4173785.00	0.00276	611325.00	4173810.00	0.00153
611350.00	4173810.00	0.00164	611375.00	4173810.00	0.00175
611400.00	4173810.00	0.00191	611425.00	4173810.00	0.00206
611450.00	4173810.00	0.00224	611475.00	4173810.00	0.00249
611500.00	4173810.00	0.00284	611325.00	4173835.00	0.00136
611350.00	4173835.00	0.00145	611375.00	4173835.00	0.00154
611400.00	4173835.00	0.00164	611425.00	4173835.00	0.00176
611450.00	4173835.00	0.00190	611475.00	4173835.00	0.00207
611500.00	4173835.00	0.00229	611525.00	4173835.00	0.00255
611550.00	4173835.00	0.00292	611300.00	4173860.00	0.00115
611325.00	4173860.00	0.00122	611350.00	4173860.00	0.00129
611375.00	4173860.00	0.00136	611400.00	4173860.00	0.00145
611425.00	4173860.00	0.00154	611450.00	4173860.00	0.00164
611475.00	4173860.00	0.00178	611500.00	4173860.00	0.00194
611525.00	4173860.00	0.00212	611550.00	4173860.00	0.00234
611575.00	4173860.00	0.00261	611600.00	4173860.00	0.00299

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
611275.00	4173885.00	0.00100	611300.00	4173885.00	0.00105
611325.00	4173885.00	0.00110	611350.00	4173885.00	0.00115
611375.00	4173885.00	0.00122	611400.00	4173885.00	0.00129
611425.00	4173885.00	0.00136	611450.00	4173885.00	0.00145
611475.00	4173885.00	0.00157	611500.00	4173885.00	0.00168
611525.00	4173885.00	0.00181	611550.00	4173885.00	0.00198
611575.00	4173885.00	0.00216	611600.00	4173885.00	0.00238
611625.00	4173885.00	0.00263	611650.00	4173885.00	0.00300
611275.00	4173910.00	0.00091	611300.00	4173910.00	0.00096
611325.00	4173910.00	0.00100	611350.00	4173910.00	0.00105
611375.00	4173910.00	0.00110	611400.00	4173910.00	0.00116
611425.00	4173910.00	0.00122	611450.00	4173910.00	0.00130
611475.00	4173910.00	0.00138	611500.00	4173910.00	0.00148
611525.00	4173910.00	0.00157	611550.00	4173910.00	0.00169
611575.00	4173910.00	0.00183	611600.00	4173910.00	0.00201
611625.00	4173910.00	0.00219	611650.00	4173910.00	0.00241
611250.00	4173935.00	0.00080	611275.00	4173935.00	0.00084
611300.00	4173935.00	0.00087	611325.00	4173935.00	0.00092
611350.00	4173935.00	0.00096	611375.00	4173935.00	0.00100
611400.00	4173935.00	0.00105	611425.00	4173935.00	0.00110
611450.00	4173935.00	0.00117	611475.00	4173935.00	0.00124
611500.00	4173935.00	0.00132	611525.00	4173935.00	0.00140
611550.00	4173935.00	0.00148	611575.00	4173935.00	0.00159
611600.00	4173935.00	0.00171	611625.00	4173935.00	0.00186
611650.00	4173935.00	0.00202	611250.00	4173960.00	0.00074
611275.00	4173960.00	0.00078	611300.00	4173960.00	0.00081
611325.00	4173960.00	0.00084	611350.00	4173960.00	0.00088
611375.00	4173960.00	0.00092	611400.00	4173960.00	0.00096
611425.00	4173960.00	0.00101	611450.00	4173960.00	0.00106
611475.00	4173960.00	0.00112	611500.00	4173960.00	0.00117
611525.00	4173960.00	0.00124	611550.00	4173960.00	0.00132
611575.00	4173960.00	0.00141	611600.00	4173960.00	0.00150
611625.00	4173960.00	0.00162	611650.00	4173960.00	0.00174
611250.00	4173985.00	0.00069	611275.00	4173985.00	0.00071
611300.00	4173985.00	0.00075	611325.00	4173985.00	0.00078
611350.00	4173985.00	0.00080	611375.00	4173985.00	0.00085
611400.00	4173985.00	0.00088	611425.00	4173985.00	0.00092
611450.00	4173985.00	0.00097	611475.00	4173985.00	0.00102
611500.00	4173985.00	0.00106	611525.00	4173985.00	0.00112
611550.00	4173985.00	0.00118	611575.00	4173985.00	0.00125

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
611600.00	4173985.00	0.00134	611625.00	4173985.00	0.00143
611650.00	4173985.00	0.00153	611300.00	4174010.00	0.00069
611325.00	4174010.00	0.00072	611350.00	4174010.00	0.00075
611375.00	4174010.00	0.00078	611400.00	4174010.00	0.00081
611425.00	4174010.00	0.00085	611450.00	4174010.00	0.00089
611475.00	4174010.00	0.00093	611500.00	4174010.00	0.00097
611525.00	4174010.00	0.00102	611550.00	4174010.00	0.00107
611575.00	4174010.00	0.00113	611600.00	4174010.00	0.00120
611625.00	4174010.00	0.00128	611650.00	4174010.00	0.00135
611350.00	4174035.00	0.00069	611375.00	4174035.00	0.00072
611400.00	4174035.00	0.00075	611425.00	4174035.00	0.00079
611450.00	4174035.00	0.00082	611475.00	4174035.00	0.00085
611500.00	4174035.00	0.00089	611525.00	4174035.00	0.00093
611550.00	4174035.00	0.00098	611575.00	4174035.00	0.00103
611600.00	4174035.00	0.00108	611625.00	4174035.00	0.00114
611650.00	4174035.00	0.00121	611375.00	4174060.00	0.00067
611400.00	4174060.00	0.00070	611425.00	4174060.00	0.00073
611450.00	4174060.00	0.00076	611475.00	4174060.00	0.00079
611500.00	4174060.00	0.00082	611525.00	4174060.00	0.00086
611550.00	4174060.00	0.00090	611575.00	4174060.00	0.00094
611600.00	4174060.00	0.00099	611625.00	4174060.00	0.00104
611650.00	4174060.00	0.00110	611400.00	4174085.00	0.00065
611425.00	4174085.00	0.00067	611450.00	4174085.00	0.00070
611475.00	4174085.00	0.00073	611500.00	4174085.00	0.00076
611525.00	4174085.00	0.00079	611550.00	4174085.00	0.00083
611575.00	4174085.00	0.00087	611600.00	4174085.00	0.00091
611625.00	4174085.00	0.00095	611650.00	4174085.00	0.00100
611425.00	4174110.00	0.00063	611450.00	4174110.00	0.00066
611475.00	4174110.00	0.00068	611500.00	4174110.00	0.00071
611525.00	4174110.00	0.00073	611550.00	4174110.00	0.00076
611575.00	4174110.00	0.00080	611600.00	4174110.00	0.00084
611625.00	4174110.00	0.00087	611650.00	4174110.00	0.00091
611450.00	4174135.00	0.00061	611475.00	4174135.00	0.00063
611500.00	4174135.00	0.00066	611525.00	4174135.00	0.00069
611550.00	4174135.00	0.00071	611575.00	4174135.00	0.00074
611600.00	4174135.00	0.00077	611625.00	4174135.00	0.00081
611650.00	4174135.00	0.00084	612954.00	4174700.00	0.00132
612979.00	4174700.00	0.00141	613004.00	4174700.00	0.00154
612954.00	4174725.00	0.00115	612979.00	4174725.00	0.00123
613004.00	4174725.00	0.00131	612929.00	4174750.00	0.00096

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000001 , A0000002 , A0000003 , A0000004 , A0000005 ,
A0000006 , A0000007 , A0000008 , A0000009 , A0000010 , A0000011 , A0000012 , A0000013 ,
A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 ,
A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
612954.00	4174750.00	0.00102	612979.00	4174750.00	0.00108
613004.00	4174750.00	0.00115	612854.00	4174775.00	0.00075
612879.00	4174775.00	0.00078	612904.00	4174775.00	0.00082
612929.00	4174775.00	0.00086	612954.00	4174775.00	0.00091
612979.00	4174775.00	0.00096	613004.00	4174775.00	0.00101
612829.00	4174800.00	0.00066	612854.00	4174800.00	0.00068
612879.00	4174800.00	0.00071	612904.00	4174800.00	0.00075
612929.00	4174800.00	0.00078	612954.00	4174800.00	0.00082
612979.00	4174800.00	0.00085	613004.00	4174800.00	0.00089
612804.00	4174825.00	0.00058	612829.00	4174825.00	0.00060
612854.00	4174825.00	0.00062	612879.00	4174825.00	0.00065
612904.00	4174825.00	0.00067	612929.00	4174825.00	0.00070
612954.00	4174825.00	0.00073	612979.00	4174825.00	0.00076
613004.00	4174825.00	0.00080	612804.00	4174850.00	0.00053
612829.00	4174850.00	0.00055	612854.00	4174850.00	0.00057
612879.00	4174850.00	0.00059	612904.00	4174850.00	0.00061
612929.00	4174850.00	0.00063	612954.00	4174850.00	0.00066
612979.00	4174850.00	0.00069	613004.00	4174850.00	0.00072
612804.00	4174875.00	0.00049	612829.00	4174875.00	0.00051
612854.00	4174875.00	0.00052	612879.00	4174875.00	0.00054
612904.00	4174875.00	0.00056	612929.00	4174875.00	0.00058
612954.00	4174875.00	0.00060	612979.00	4174875.00	0.00063
613004.00	4174875.00	0.00065	612779.00	4174900.00	0.00044
612804.00	4174900.00	0.00046	612829.00	4174900.00	0.00047
612854.00	4174900.00	0.00048	612879.00	4174900.00	0.00050
612904.00	4174900.00	0.00052	612929.00	4174900.00	0.00053
612954.00	4174900.00	0.00055	612979.00	4174900.00	0.00057
613004.00	4174900.00	0.00059	612779.00	4174925.00	0.00041
612804.00	4174925.00	0.00043	612829.00	4174925.00	0.00044
612854.00	4174925.00	0.00045	612879.00	4174925.00	0.00046
612904.00	4174925.00	0.00048	612929.00	4174925.00	0.00049
612954.00	4174925.00	0.00051	612979.00	4174925.00	0.00052
613004.00	4174925.00	0.00054	612926.66	4174737.26	0.00102
612887.93	4174756.91	0.00086	612932.44	4174707.78	0.00120
612910.48	4174717.60	0.00108	612893.13	4174726.27	0.00100
612874.64	4174734.94	0.00092	612855.56	4174741.88	0.00086
612834.75	4174751.13	0.00080			

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00310 AT	(611425.00, 4173760.00, 159.19, 159.19, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00309 AT	(611435.08, 4173766.79, 159.15, 159.15, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00302 AT	(611500.03, 4173804.29, 159.08, 159.08, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00300 AT	(611650.00, 4173885.00, 159.66, 159.66, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00299 AT	(611600.00, 4173860.00, 159.52, 159.52, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00299 AT	(611478.38, 4173791.79, 158.93, 158.93, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00298 AT	(611543.33, 4173829.29, 159.25, 159.25, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00297 AT	(611521.68, 4173816.79, 159.04, 159.04, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00295 AT	(611564.98, 4173841.79, 159.37, 159.37, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00294 AT	(611586.63, 4173854.29, 159.44, 159.44, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: NonDFAULT CONC ELEV FASTAREA URBAN

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   1 Warning Message(s)
A Total of   15235 Informational Message(s)

A Total of   43872 Hours Were Processed

A Total of   13448 Calm Hours Identified

A Total of   1787 Missing Hours Identified (4.07 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
MX W481   43873   MAIN: Data Remaining After End of Year. Number of Hours=   48

   ****
   *** AERMOD Finishes Successfully ***
   ****

Appendix L.6

Valley Link

I-580 Roadway Shift Health Risk Assessment Calculations

EMFAC2017 (v1.0.2) Emission Rates
Region Type: County
Region: ALAMEDA
Calendar Year: 2015, 2018, 2040
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN. Note 'day' in the unit is operation day.

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	VMT	Trips	PM2.5_RUNEX	PM2.5_IDLEX	PM2.5_STREX	PM2.5_PMTW	PM2.5_PMBW
ALAMEDA	2015	HHDT	Aggregated	Aggregated	GAS	22.22	1492.21	444.67	0.00	0.00	0.01	0.01	0.03
ALAMEDA	2015	HHDT	Aggregated	Aggregated	DSL	12871.54	1557706.09	132438.49	0.20	0.44	0.00	0.01	0.03
ALAMEDA	2015	HHDT	Aggregated	Aggregated	NG	227.54	8416.95	887.42	0.01	0.05	0.00	0.01	0.03
ALAMEDA	2015	LDA	Aggregated	Aggregated	GAS	591281.18	21595715.34	2740157.21	0.00	0.00	0.00	0.00	0.02
ALAMEDA	2015	LDA	Aggregated	Aggregated	DSL	6135.02	243089.30	28501.55	0.02	0.00	0.00	0.00	0.02
ALAMEDA	2015	LDA	Aggregated	Aggregated	ELEC	7747.77	280817.33	39710.16	0.00	0.00	0.00	0.00	0.02
ALAMEDA	2015	LDT1	Aggregated	Aggregated	GAS	60345.27	2073904.43	270477.85	0.00	0.00	0.00	0.00	0.02
ALAMEDA	2015	LDT1	Aggregated	Aggregated	DSL	107.26	1921.01	373.99	0.21	0.00	0.00	0.00	0.02
ALAMEDA	2015	LDT1	Aggregated	Aggregated	ELEC	146.88	5026.61	737.77	0.00	0.00	0.00	0.00	0.02
ALAMEDA	2015	LDT2	Aggregated	Aggregated	GAS	198412.72	7451916.52	923616.02	0.00	0.00	0.00	0.00	0.02
ALAMEDA	2015	LDT2	Aggregated	Aggregated	DSL	579.78	28035.86	2880.84	0.01	0.00	0.00	0.00	0.02
ALAMEDA	2015	LDT2	Aggregated	Aggregated	ELEC	52.18	1730.34	259.96	0.00	0.00	0.00	0.00	0.02
ALAMEDA	2015	LHDT1	Aggregated	Aggregated	GAS	15746.78	545328.84	234603.57	0.00	0.00	0.00	0.00	0.03
ALAMEDA	2015	LHDT1	Aggregated	Aggregated	DSL	7354.49	273623.38	92510.22	0.04	0.03	0.00	0.00	0.03
ALAMEDA	2015	LHDT2	Aggregated	Aggregated	GAS	2317.18	87516.63	34522.54	0.00	0.00	0.00	0.00	0.04
ALAMEDA	2015	LHDT2	Aggregated	Aggregated	DSL	2508.51	97788.27	31553.87	0.04	0.03	0.00	0.00	0.04
ALAMEDA	2015	MCY	Aggregated	Aggregated	GAS	27168.41	221450.72	54336.83	0.00	0.00	0.00	0.00	0.01
ALAMEDA	2015	MDV	Aggregated	Aggregated	GAS	119488.46	4221838.20	548853.78	0.00	0.00	0.00	0.00	0.02
ALAMEDA	2015	MDV	Aggregated	Aggregated	DSL	1203.04	54946.15	5904.54	0.01	0.00	0.00	0.00	0.02
ALAMEDA	2015	MDV	Aggregated	Aggregated	ELEC	18.36	377.58	78.62	0.00	0.00	0.00	0.00	0.02
ALAMEDA	2015	MH	Aggregated	Aggregated	GAS	2769.41	23046.95	277.05	0.00	0.00	0.00	0.00	0.06
ALAMEDA	2015	MH	Aggregated	Aggregated	DSL	588.48	6158.67	58.85	0.15	0.00	0.00	0.00	0.06
ALAMEDA	2015	MHDT	Aggregated	Aggregated	GAS	1567.33	76475.33	31359.22	0.00	0.00	0.00	0.00	0.06
ALAMEDA	2015	MHDT	Aggregated	Aggregated	DSL	12508.77	705471.28	121616.36	0.24	0.08	0.00	0.00	0.06
ALAMEDA	2015	OBUS	Aggregated	Aggregated	GAS	636.79	38746.78	12740.89	0.00	0.00	0.00	0.00	0.06
ALAMEDA	2015	OBUS	Aggregated	Aggregated	DSL	354.48	21923.17	3472.89	0.37	0.37	0.00	0.00	0.06
ALAMEDA	2015	SBUS	Aggregated	Aggregated	GAS	196.36	10434.76	785.43	0.00	0.00	0.00	0.00	0.32
ALAMEDA	2015	SBUS	Aggregated	Aggregated	DSL	193.13	6124.61	2228.69	0.06	0.09	0.00	0.00	0.32
ALAMEDA	2015	UBUS	Aggregated	Aggregated	GAS	8.41	497.15	33.65	0.00	0.00	0.00	0.00	0.05
ALAMEDA	2015	UBUS	Aggregated	Aggregated	DSL	650.89	75674.50	2603.56	0.01	0.00	0.00	0.01	0.03
ALAMEDA	2015	UBUS	Aggregated	Aggregated	ELEC	12.03	1081.99	48.10	0.00	0.00	0.00	0.01	0.03
ALAMEDA	2015	UBUS	Aggregated	Aggregated	NG	2.67	238.37	10.69	0.01	0.00	0.00	0.00	0.06
ALAMEDA	2018	HHDT	Aggregated	Aggregated	GAS	11.70	1154.43	234.18	0.00	0.00	0.00	0.01	0.03
ALAMEDA	2018	HHDT	Aggregated	Aggregated	DSL	13441.97	1765617.61	143393.30	0.10	0.22	0.00	0.01	0.03
ALAMEDA	2018	HHDT	Aggregated	Aggregated	NG	308.14	12568.30	1201.75	0.01	0.03	0.00	0.01	0.03
ALAMEDA	2018	LDA	Aggregated	Aggregated	GAS	611638.11	22688484.08	2849828.10	0.00	0.00	0.00	0.00	0.02
ALAMEDA	2018	LDA	Aggregated	Aggregated	DSL	6189.85	237453.30	28708.54	0.02	0.00	0.00	0.00	0.02
ALAMEDA	2018	LDA	Aggregated	Aggregated	ELEC	13240.41	487878.77	66413.09	0.00	0.00	0.00	0.00	0.02
ALAMEDA	2018	LDT1	Aggregated	Aggregated	GAS	63730.01	2286529.01	289741.13	0.00	0.00	0.00	0.00	0.02
ALAMEDA	2018	LDT1	Aggregated	Aggregated	DSL	62.83	1024.42	207.60	0.21	0.00	0.00	0.00	0.02
ALAMEDA	2018	LDT1	Aggregated	Aggregated	ELEC	141.39	4902.44	695.13	0.00	0.00	0.00	0.00	0.02
ALAMEDA	2018	LDT2	Aggregated	Aggregated	GAS	206732.00	7718880.80	961137.38	0.00	0.00	0.00	0.00	0.02
ALAMEDA	2018	LDT2	Aggregated	Aggregated	DSL	851.89	39263.59	4206.16	0.01	0.00	0.00	0.00	0.02
ALAMEDA	2018	LDT2	Aggregated	Aggregated	ELEC	713.04	25154.10	3638.31	0.00	0.00	0.00	0.00	0.02

ALAMEDA	2018	LHDT1	Aggregated	Aggregated	GAS	16336.70	597389.27	243392.45	0.00	0.00	0.00	0.00	0.03
ALAMEDA	2018	LHDT1	Aggregated	Aggregated	DSL	8316.25	328162.02	104607.91	0.03	0.03	0.00	0.00	0.03
ALAMEDA	2018	LHDT2	Aggregated	Aggregated	GAS	2424.55	88121.69	36122.14	0.00	0.00	0.00	0.00	0.04
ALAMEDA	2018	LHDT2	Aggregated	Aggregated	DSL	2938.76	117965.31	36965.94	0.03	0.03	0.00	0.00	0.04
ALAMEDA	2018	MCY	Aggregated	Aggregated	GAS	27551.90	221146.18	55103.80	0.00	0.00	0.00	0.00	0.01
ALAMEDA	2018	MDV	Aggregated	Aggregated	GAS	125864.16	4450855.43	577548.49	0.00	0.00	0.00	0.00	0.02
ALAMEDA	2018	MDV	Aggregated	Aggregated	DSL	1924.01	86048.16	9442.26	0.01	0.00	0.00	0.00	0.02
ALAMEDA	2018	MDV	Aggregated	Aggregated	ELEC	67.19	2198.81	332.37	0.00	0.00	0.00	0.00	0.02
ALAMEDA	2018	MH	Aggregated	Aggregated	GAS	2400.35	21644.99	240.13	0.00	0.00	0.00	0.00	0.06
ALAMEDA	2018	MH	Aggregated	Aggregated	DSL	613.19	6288.93	61.32	0.12	0.00	0.00	0.00	0.06
ALAMEDA	2018	MHDT	Aggregated	Aggregated	GAS	1596.78	85159.48	31948.33	0.00	0.00	0.00	0.00	0.06
ALAMEDA	2018	MHDT	Aggregated	Aggregated	DSL	13298.81	846893.03	132851.95	0.13	0.04	0.00	0.00	0.06
ALAMEDA	2018	OBUS	Aggregated	Aggregated	GAS	631.46	35306.68	12634.21	0.00	0.00	0.00	0.00	0.06
ALAMEDA	2018	OBUS	Aggregated	Aggregated	DSL	372.28	26279.32	3648.36	0.18	0.19	0.00	0.00	0.06
ALAMEDA	2018	SBUS	Aggregated	Aggregated	GAS	43.98	2319.18	175.93	0.00	0.00	0.00	0.00	0.32
ALAMEDA	2018	SBUS	Aggregated	Aggregated	DSL	282.63	9206.79	3261.49	0.03	0.05	0.00	0.00	0.32
ALAMEDA	2018	UBUS	Aggregated	Aggregated	GAS	8.67	512.50	34.69	0.00	0.00	0.00	0.00	0.05
ALAMEDA	2018	UBUS	Aggregated	Aggregated	DSL	588.77	69829.68	2355.07	0.01	0.00	0.00	0.01	0.03
ALAMEDA	2018	UBUS	Aggregated	Aggregated	ELEC	12.02	1081.88	48.08	0.00	0.00	0.00	0.01	0.03
ALAMEDA	2018	UBUS	Aggregated	Aggregated	NG	85.35	8460.96	341.41	0.00	0.00	0.00	0.01	0.03
ALAMEDA	2040	HHDT	Aggregated	Aggregated	GAS	8.29	974.91	165.87	0.00	0.00	0.00	0.01	0.03
ALAMEDA	2040	HHDT	Aggregated	Aggregated	DSL	19194.48	2636765.37	209432.35	0.02	0.02	0.00	0.01	0.03
ALAMEDA	2040	HHDT	Aggregated	Aggregated	NG	562.67	22941.13	2194.43	0.00	0.01	0.00	0.01	0.03
ALAMEDA	2040	LDA	Aggregated	Aggregated	GAS	854690.68	26995024.06	3987449.27	0.00	0.00	0.00	0.00	0.02
ALAMEDA	2040	LDA	Aggregated	Aggregated	DSL	10550.73	335810.03	49384.25	0.00	0.00	0.00	0.00	0.02
ALAMEDA	2040	LDA	Aggregated	Aggregated	ELEC	53760.94	1834277.87	253996.60	0.00	0.00	0.00	0.00	0.02
ALAMEDA	2040	LDT1	Aggregated	Aggregated	GAS	87520.06	2726941.46	403037.68	0.00	0.00	0.00	0.00	0.02
ALAMEDA	2040	LDT1	Aggregated	Aggregated	DSL	11.99	377.79	55.44	0.00	0.00	0.00	0.00	0.02
ALAMEDA	2040	LDT1	Aggregated	Aggregated	ELEC	3145.38	107960.35	14892.49	0.00	0.00	0.00	0.00	0.02
ALAMEDA	2040	LDT2	Aggregated	Aggregated	GAS	265269.92	8381352.30	1226572.82	0.00	0.00	0.00	0.00	0.02
ALAMEDA	2040	LDT2	Aggregated	Aggregated	DSL	2653.27	85957.47	12423.09	0.00	0.00	0.00	0.00	0.02
ALAMEDA	2040	LDT2	Aggregated	Aggregated	ELEC	11309.56	269762.79	53624.62	0.00	0.00	0.00	0.00	0.02
ALAMEDA	2040	LHDT1	Aggregated	Aggregated	GAS	16849.12	547779.81	251026.83	0.00	0.00	0.00	0.00	0.03
ALAMEDA	2040	LHDT1	Aggregated	Aggregated	DSL	15988.01	532684.13	201109.00	0.01	0.03	0.00	0.00	0.03
ALAMEDA	2040	LHDT2	Aggregated	Aggregated	GAS	2582.31	82858.19	38472.62	0.00	0.00	0.00	0.00	0.04
ALAMEDA	2040	LHDT2	Aggregated	Aggregated	DSL	6502.05	208531.65	81787.66	0.02	0.03	0.00	0.00	0.04
ALAMEDA	2040	MCY	Aggregated	Aggregated	GAS	38964.47	257305.50	77928.94	0.00	0.00	0.00	0.00	0.01
ALAMEDA	2040	MDV	Aggregated	Aggregated	GAS	168958.16	5195397.82	776983.61	0.00	0.00	0.00	0.00	0.02
ALAMEDA	2040	MDV	Aggregated	Aggregated	DSL	5917.89	187298.18	27586.14	0.00	0.00	0.00	0.00	0.02
ALAMEDA	2040	MDV	Aggregated	Aggregated	ELEC	8168.60	195257.91	38765.12	0.00	0.00	0.00	0.00	0.02
ALAMEDA	2040	MH	Aggregated	Aggregated	GAS	2623.72	25286.98	262.48	0.00	0.00	0.00	0.00	0.06
ALAMEDA	2040	MH	Aggregated	Aggregated	DSL	1246.43	10861.41	124.64	0.02	0.00	0.00	0.00	0.06
ALAMEDA	2040	MHDT	Aggregated	Aggregated	GAS	2125.23	105154.90	42521.61	0.00	0.00	0.00	0.00	0.06
ALAMEDA	2040	MHDT	Aggregated	Aggregated	DSL	22516.67	1262154.07	227448.51	0.01	0.00	0.00	0.00	0.06
ALAMEDA	2040	OBUS	Aggregated	Aggregated	GAS	532.91	22368.30	10662.44	0.00	0.00	0.00	0.00	0.06
ALAMEDA	2040	OBUS	Aggregated	Aggregated	DSL	656.77	43735.86	6237.95	0.01	0.00	0.00	0.00	0.06
ALAMEDA	2040	SBUS	Aggregated	Aggregated	GAS	321.82	14320.64	1287.28	0.00	0.00	0.00	0.00	0.32
ALAMEDA	2040	SBUS	Aggregated	Aggregated	DSL	317.89	10033.83	3668.38	0.01	0.00	0.00	0.00	0.32
ALAMEDA	2040	UBUS	Aggregated	Aggregated	GAS	8.91	526.30	35.62	0.00	0.00	0.00	0.00	0.05
ALAMEDA	2040	UBUS	Aggregated	Aggregated	DSL	501.84	58053.17	2007.38	0.01	0.00	0.00	0.01	0.03
ALAMEDA	2040	UBUS	Aggregated	Aggregated	NG	202.77	23456.91	811.10	0.00	0.00	0.00	0.01	0.03

I-580 AADT from Dublin to Livermore

2015

Segment	Mile Post	AADT BACK	AADT AHEAD	Average AADT	Annual Trips
EL CHARRO ROAD	16.703	205,000	214,000	209,500	76,467,500
TASSAJARA ROAD	17.947	214,000	203,000	208,500	76,102,500
HACIENDA DRIVE	18.821	203,000	222,000	212,500	77,562,500
HOPYARD ROAD	19.859	222,000	219,000	220,500	80,482,500
					77,653,750

2018

Segment	Mile Post	AADT BACK	AADT AHEAD	Average AADT	Annual Trips
EL CHARRO ROAD	16.703	202,200	205,900	204,050	74,478,250
TASSAJARA ROAD	17.947	205,900	224,500	215,200	78,548,000
HACIENDA DRIVE	18.821	224,500	236,700	230,600	84,169,000
HOPYARD ROAD	19.859	236,700	231,100	233,900	85,373,500
					80,642,188

Source: https://dot.ca.gov/programs/traffic-operations/census

Regional Travel Growth Forecast

Table 3.1-14: Travel Data

	Year 2015	Year 2040 Proposed Plan	Year 2040 No Project	% difference from Proposed Plan	Year 2040 Main Streets	% difference from Proposed Plan	Year 2040 Big Cities	% difference from Proposed Plan	Year 2040 EEJ 2.0	% difference from Proposed Plan
Vehicles in Use	4,651,264	6,230,199	6,410,363	3%	6,363,435	2%	6,117,424	-2%	6,089,923	-2%
Daily Vehicle Miles Traveled (VMT)	161,151,772	195,595,085	201,246,338	3%	199,564,000	2%	191,447,042	-2%	191,221,978	-2%
Engine Starts	29,080,881	38,509,838	39,634,980	3%	39,338,472	2%	37,820,480	-2%	37,642,869	-2%
Total Population (simulated)	7,570,522	9,560,782	9,566,510	0%	9,563,266	0%	9,554,066	0%	9,559,398	0%
Total Employment	4,010,135	4,698,374	4,698,374	0%	4,698,374	0%	4,698,374	0%	4,698,374	0%

Plan Bay Area 2040 DEIR Appendices
http://2040.planbayarea.org/sites/default/files/2017-07/PBA%202040%20DEIR_Appendices_0_0.pdf
page 225 of PDF

2015	2040
161,151,772	195,595,085

Year	Daily VMT	Annual Change (%)
2015	161,151,772.00	
2016	162,529,504.52	0.85%
2017	163,907,237.04	0.85%
2018	165,284,969.56	0.84%
2019	166,662,702.08	0.83%
2020	168,040,434.60	0.83%
2021	169,418,167.12	0.82%
2022	170,795,899.64	0.81%
2023	172,173,632.16	0.81%

2024	173,551,364.68	0.80%
2025	174,929,097.20	0.79%
2026	176,306,829.72	0.79%
2027	177,684,562.24	0.78%
2028	179,062,294.76	0.78%
2029	180,440,027.28	0.77%
2030	181,817,759.80	0.76%
2031	183,195,492.32	0.76%
2032	184,573,224.84	0.75%
2033	185,950,957.36	0.75%
2034	187,328,689.88	0.74%
2035	188,706,422.40	0.74%
2036	190,084,154.92	0.73%
2037	191,461,887.44	0.72%
2038	192,839,619.96	0.72%
2039	194,217,352.48	0.71%
2040	195,595,085.00	0.71%

2040 Projection

Based on growth examples, annual growth is approximately 1 percent, therefore, annual growth factor of 1 percent was applied to baseline annual trips.

Year	Annual Trips
2018	80,642,187.50
2019	81,448,609.38
2020	82,263,095.47
2021	83,085,726.42
2022	83,916,583.69
2023	84,755,749.52
2024	85,603,307.02
2025	86,459,340.09
2026	87,323,933.49
2027	88,197,172.83
2028	89,079,144.55
2029	89,969,936.00
2030	90,869,635.36
2031	91,778,331.71
2032	92,696,115.03
2033	93,623,076.18
2034	94,559,306.94
2035	95,504,900.01
2036	96,459,949.01
2037	97,424,548.50
2038	98,398,793.99
2039	99,382,781.93
2040	**100,376,609.75**

Emissions Rate Scaling Factors

Year	DPM2.5 Runex (g/mi)	Ratio to 2015	PM2.5 Total (g/mi)	Ratio to 2015
2015	0.1696	-	0.0346	-
2018	0.0875	0.5161	0.0288	0.8319
2040	0.0144	0.0850	0.0224	0.6474

Volumes Scaling Factors

Year	I-580 Trips	Ratio to 2015
2015	77,653,750	-
2018	80,642,188	1.0385
2040	100,376,610	1.2926

Unadjusted Results from BAAQMD's Raster Data (2015 base year)

#	Description	Position Relative to I-580	Receptor Coordinates	Existing Distance to Nearest I-580 Travel Lanes	Distance to Nearest I-580 Travel Lanes with PROJECT	Difference	NOTE
1	N. of BART Dublin/Pleasanton Station mixed use	North of WB lanes	37.702741,-121.898777	273	241	-32	Shift of WB lanes only
2	Collier Canyon Road residence	North of WB lanes	37.701777,-121.830230	165	143	-22	Shift of WB lanes only
3A	Univ. of Phoenix	North of WB lanes	37.701703,-121.809678	200	195	-5	Shift of WB lanes
3B	Univ. of Phoenix	North of EB Lanes	37.701703,-121.809678	295	309	14	Shift of EB lanes
4A	Shea Sage Residential	North of WB lanes	37.701715,-121.794065	297	293	-4	Shift of WB lanes
4B	Shea Sage Residential	North of EB lanes	37.701715,-121.794065	381	398	17	Shift of EB lanes
5A	Saddleback Residential	South of EB Lanes	37.699393,-121.793879	368	355	-13	Shift of EB lanes
5B	Saddleback Residential	South of WB Lanes	37.699393,-121.793879	460	471	11	Shift of WB lanes
6	E. of Las Colinas Road residential	North of WB Lanes	37.703648,-121.754348	225	206	-19	Shift of WB lanes only
7A	W. of Vasco Road residential	North of WB Lanes	37.707461,-121.728869	103	98	-5	Shift of WB lanes
7B	W. of Vasco Road residential	North of EB Lanes	37.707461,-121.728869	190	219	29	Shift of EB lanes
8	E. of Laughlin Road residential	North of WB Lanes	37.715555,-121.710237	169	161	-8	Shift of WB lanes only

#	Description	Cancer Risk			PM2.5 Concentration		
		Existing	With Project	Difference	Existing	With Project	Difference
1	N. of BART Dublin/Pleasanton Station mixed use	57.78	58.89	1.12	0.92	0.94	0.02
2	Collier Canyon Road residence	82.03	87.19	5.16	1.29	1.37	0.08
3A	Univ. of Phoenix	107.57	108.74	1.17	1.43	1.45	0.02
3B	Univ. of Phoenix	107.57	104.31	-3.27	1.43	1.39	-0.04
4A	Shea Sage Residential	88.49	89.12	0.63	1.17	1.18	0.01
4B	Shea Sage Residential	88.49	85.80	-2.69	1.17	1.14	-0.04
5A	Saddleback Residential	49.23	50.14	0.91	0.66	0.67	0.01
5B	Saddleback Residential	49.23	48.46	-0.77	0.66	0.65	-0.01
6	E. of Las Colinas Road residential	90.76	93.70	2.94	1.19	1.23	0.04
7A	W. of Vasco Road residential	92.32	93.92	1.60	1.53	1.55	0.03
7B	W. of Vasco Road residential	92.32	84.12	-8.20	1.53	1.39	-0.14
8	E. of Laughlin Road residential	68.24	70.08	1.84	1.13	1.16	0.03

Adjusted Results from BAAQMD's Raster Data

#	Description	Cancer Risk			PM2.5 Concentration			Hazard Index		
		2018 Existing	2040 No Project	2040 With Project	2018 Existing	2040 No Project	2040 With Project	2018 Existing	2040 No Project	2040 With Project
1	N. of BART Dublin/Pleasanton Station mixed use	30.97	6.35	6.47	0.80	0.77	0.79	0.16	0.15	0.16
2	Collier Canyon Road residence	43.97	9.01	9.58	1.11	1.08	1.15	0.22	0.22	0.23
3A	Univ. of Phoenix	57.66	11.82	11.94	1.24	1.20	1.21	0.25	0.24	0.24
3B	Univ. of Phoenix	57.66	11.82	11.46	1.24	1.20	1.16	0.25	0.24	0.23
4A	Shea Sage Residential	47.43	9.72	9.79	1.01	0.98	0.99	0.20	0.20	0.20
4B	Shea Sage Residential	47.43	9.72	9.42	1.01	0.98	0.95	0.20	0.20	0.19
5A	Saddleback Residential	26.39	5.41	5.51	0.57	0.55	0.56	0.11	0.11	0.11
5B	Saddleback Residential	26.39	5.41	5.32	0.57	0.55	0.54	0.11	0.11	0.11
6	E. of Las Colinas Road residential	48.64	9.97	10.29	1.03	1.00	1.03	0.21	0.20	0.21
7A	W. of Vasco Road residential	49.48	10.14	10.32	1.32	1.28	1.30	0.26	0.26	0.26
7B	W. of Vasco Road residential	49.48	10.14	9.24	1.32	1.28	1.16	0.26	0.26	0.23
8	E. of Laughlin Road residential	36.58	7.50	7.70	0.98	0.94	0.97	0.20	0.19	0.19

#	Description	Cancer Risk			PM2.5 Concentration			Hazard Index		
		UnAdj 2040 WP: Existing	Adj 2040 WP: Existing	Adj 2040 WP: NP	UnAdj 2040 WP: Existing	Adj 2040 WP: Existing	Adj 2040 WP: NP	UnAdj 2040 WP: Existing	Adj 2040 WP: Existing	Adj 2040 WP: NP
1	N. of BART Dublin/Pleasanton Station mixed use	1.12	-24.50	0.12	0.02	-0.01	0.01	0.00	0.00	0.00
2	Collier Canyon Road residence	5.16	-34.39	0.57	0.08	0.03	0.07	0.02	0.01	0.01
3A	Univ. of Phoenix	1.17	-45.71	0.13	0.02	-0.03	0.01	0.00	-0.01	0.00
3B	Univ. of Phoenix	-3.27	-46.20	-0.36	-0.04	-0.07	-0.04	-0.01	-0.01	-0.01
4A	Shea Sage Residential	0.63	-37.64	0.07	0.01	-0.02	0.01	0.00	0.00	0.00
4B	Shea Sage Residential	-2.69	-38.01	-0.30	-0.04	-0.06	-0.03	-0.01	-0.01	-0.01
5A	Saddleback Residential	0.91	-20.88	0.10	0.01	-0.01	0.01	0.00	0.00	0.00
5B	Saddleback Residential	-0.77	-21.06	-0.08	-0.01	-0.03	-0.01	0.00	-0.01	0.00
6	E. of Las Colinas Road residential	2.94	-38.35	0.32	0.04	0.00	0.03	0.01	0.00	0.01
7A	W. of Vasco Road residential	1.60	-39.17	0.18	0.03	-0.02	0.02	0.01	0.00	0.00
7B	W. of Vasco Road residential	-8.20	-40.24	-0.90	-0.14	-0.16	-0.12	-0.03	-0.03	-0.02
8	E. of Laughlin Road residential	1.84	-28.88	0.20	0.03	0.00	0.03	0.01	0.00	0.01