Other Asphalt Surfaces	—	—	—	—	—	—	0.00
User Defined Industrial	—	—	—	—	—	—	0.00
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	70.8
Total	—	—	—	—	—	—	445
Daily, Winter (Max)	—	—	—	—	—	—	—
General Heavy Industry	—	—	—	—	—	—	374
Parking Lot	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	0.00
User Defined Industrial	—	—	—	—	—	—	0.00
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	70.8
Total	—	—	—	—	—	—	445
Annual	—	—	—	—	—	—	—
General Heavy Industry	—	—	—	—	—	—	61.9
Parking Lot	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	0.00
User Defined Industrial	—	—	—	—	—	—	0.00
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	11.7
Total	—	—	—	—	—	—	73.6

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
General Heavy Industry	—	—	—	—	—	—	41.6
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	1,065
Total	—	—	—	—	—	—	1,107
Daily, Winter (Max)	—	—	—	—	—	—	—
General Heavy Industry	—	—	—	—	—	—	41.6
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	1,065
Total	—	—	—	—	—	—	1,107
Annual	—	—	—	—	—	—	—
General Heavy Industry	—	—	—	—	—	—	6.89
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	176
Total	—	—	—	—	—	—	183

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Forklifts	0.00	17.7	176	0.00	0.00	0.00	3,907
Total	0.00	17.7	176	0.00	0.00	0.00	3,907

Daily, Winter (Max)	—	—	—	—	—	—	—
Forklifts	0.00	17.7	176	0.00	0.00	0.00	3,907
Total	0.00	17.7	176	0.00	0.00	0.00	3,907
Annual	—	—	—	—	—	—	—
Forklifts	0.00	2.30	22.9	0.00	0.00	0.00	461
Total	0.00	2.30	22.9	0.00	0.00	0.00	461

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Fire Pump	0.78	2.18	1.99	< 0.005	0.11	0.11	401
Emergency Generator	0.78	2.18	1.99	< 0.005	0.11	0.11	401
Total	1.56	4.37	3.98	0.01	0.23	0.23	802
Daily, Winter (Max)	—	—	—	—	—	—	—
Fire Pump	0.78	2.18	1.99	< 0.005	0.11	0.11	401
Emergency Generator	0.78	2.18	1.99	< 0.005	0.11	0.11	401
Total	1.56	4.37	3.98	0.01	0.23	0.23	802
Annual	—	—	—	—	—	—	—
Fire Pump	0.02	0.05	0.05	< 0.005	< 0.005	< 0.005	9.09
Emergency Generator	0.08	0.22	0.20	< 0.005	0.01	0.01	36.4
Total	0.10	0.27	0.25	< 0.005	0.01	0.01	45.5

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	1/1/2026	1/29/2026	5.00	20.0	—
Site Preparation	Site Preparation	1/30/2026	2/13/2026	5.00	10.0	—
Grading	Grading	2/14/2026	3/28/2026	5.00	30.0	—
Building Construction	Building Construction	3/29/2026	1/1/2027	5.00	200	—
Paving	Paving	1/4/2027	1/29/2027	5.00	20.0	—
Architectural Coating	Architectural Coating	2/1/2027	3/19/2027	5.00	35.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Back hoes	Diesel	Average	0.00	8.00	84.0	0.37
Site Preparation	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41

Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Back hoes	Diesel	Average	0.00	8.00	84.0	0.37
Grading	Crawler Tractors	Diesel	Average	2.00	8.00	87.0	0.43
Building Construction	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Back hoes	Diesel	Average	3.00	8.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	311	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	6.30	56.0	HHDT

Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	37.7	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	83.9	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	32.8	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	16.8	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	299,775	99,925	11,552

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	24,902	—
Site Preparation	—	500	35.0	0.00	—
Grading	9,043	—	120	0.00	—
Paving	0.00	0.00	0.00	0.00	4.42

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
General Heavy Industry	0.00	0%
Parking Lot	2.35	100%
Other Asphalt Surfaces	2.07	100%
User Defined Industrial	0.00	0%
Refrigerated Warehouse-No Rail	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	449	0.03	< 0.005
2027	0.00	439	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
General Heavy Industry	505	505	505	184,406	8,860	8,860	8,860	3,233,938
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	342	342	342	124,736	9,778	9,778	9,778	3,568,847
Refrigerated Warehouse-No Rail	126	126	126	46,101	2,215	2,215	2,215	808,485

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	299,775	99,925	11,552

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
General Heavy Industry	1,529,903	439	0.0330	0.0040	6,866,898
Parking Lot	89,673	439	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	439	0.0330	0.0040	0.00
User Defined Industrial	0.00	439	0.0330	0.0040	0.00
Refrigerated Warehouse-No Rail	874,126	439	0.0330	0.0040	1,057,648

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
General Heavy Industry	36,972,250	832,964
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00
Refrigerated Warehouse-No Rail	9,243,063	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
General Heavy Industry	198	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—
User Defined Industrial	0.00	—
Refrigerated Warehouse-No Rail	37.6	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Heavy Industry	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0
Refrigerated Warehouse-No Rail	Cold storage	R-404A	3,922	7.50	7.50	7.50	25.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	CNG	Average	20.0	8.00	82.0	0.20

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Fire Pump	Diesel	2.00	1.00	50.0	238	0.73
Emergency Generator	Diesel	2.00	1.00	200	238	0.73

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	26.3	annual days of extreme heat
Extreme Precipitation	2.65	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	1.71	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	1	1	3
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	97.0

AQ-PM	90.3
AQ-DPM	97.5
Drinking Water	77.4
Lead Risk Housing	95.3
Pesticides	3.83
Toxic Releases	56.0
Traffic	79.4
Effect Indicators	—
CleanUp Sites	83.2
Groundwater	82.4
Haz Waste Facilities/Generators	84.0
Impaired Water Bodies	0.00
Solid Waste	9.67
Sensitive Population	—
Asthma	69.6
Cardio-vascular	78.1
Low Birth Weights	96.0
Socioeconomic Factor Indicators	—
Education	93.6
Housing	74.0
Linguistic	83.1
Poverty	91.3
Unemployment	98.5

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—

Above Poverty	10.90722443
Employed	14.1537277
Median HI	15.37277044
Education	—
Bachelor's or higher	0.179648402
High school enrollment	20.74939048
Preschool enrollment	5.62042859
Transportation	—
Auto Access	16.36083665
Active commuting	75.55498524
Social	—
2-parent households	53.0347748
Voting	0.282304632
Neighborhood	—
Alcohol availability	13.07583729
Park access	49.63428718
Retail density	69.44693956
Supermarket access	57.08969588
Tree canopy	18.51661748
Housing	—
Homeownership	28.76940844
Housing habitability	29.78313871
Low-inc homeowner severe housing cost burden	99.12742205
Low-inc renter severe housing cost burden	48.36391634
Uncrowded housing	8.982420121
Health Outcomes	—
Insured adults	7.712049275
Arthritis	40.2

Asthma ER Admissions	29.2
High Blood Pressure	34.2
Cancer (excluding skin)	87.6
Asthma	7.7
Coronary Heart Disease	25.9
Chronic Obstructive Pulmonary Disease	16.6
Diagnosed Diabetes	13.8
Life Expectancy at Birth	33.8
Cognitively Disabled	38.1
Physically Disabled	67.1
Heart Attack ER Admissions	36.0
Mental Health Not Good	5.6
Chronic Kidney Disease	10.6
Obesity	4.4
Pedestrian Injuries	97.3
Physical Health Not Good	6.6
Stroke	22.5
Health Risk Behaviors	—
Binge Drinking	63.5
Current Smoker	6.0
No Leisure Time for Physical Activity	4.5
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	64.0
Elderly	93.3
English Speaking	18.4
Foreign-born	81.3

Outdoor Workers	7.2
Climate Change Adaptive Capacity	—
Impervious Surface Cover	51.6
Traffic Density	83.8
Traffic Access	68.6
Other Indices	—
Hardship	94.9
Other Decision Support	—
2016 Voting	3.9

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	99.0
Healthy Places Index Score for Project Location (b)	4.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Adjusted lot acreage to match site plan provided by client.
Construction: Off-Road Equipment	Assumed all construction will be utilized 8 hours per work day. Replaced Tractors/Loaders/Backhoes with Crawler Tractors in the Site Preparation and Grading Phases.
Operations: Vehicle Data	Adjusted trip rate to match ITE 11th edition trip rate for General Light Industrial auto and Warehouse trips. Truck trips were applied to the User Defined Industrial land use, with 2 axle trucks applied to Non Res H-W (15.3 mi length and 34.5029 percentage), 3 axle trucks applied to Non Res W-O (14.2 mi and 11.1111%), and 4+ axle trucks applied to Non Res O-O (40 mi and 54.3860%).
Operations: Fleet Mix	Updated vehicle splits to match the operational trip generation
Construction: Construction Phases	Extended architectural coating phase due to size of building facade. Building construction phase shortened to adhere to ~14 month construction schedule provided by client
Operations: Off-Road Equipment	Forklifts were changed from diesel to CNG.
Operations: Emergency Generators and Fire Pumps	Adjusted
Construction: Trips and VMT	Increased default trip length of 20.0 miles to 56 miles for hauling trip length during the site preparation phase to represent the distance to the Soil Safe landfill for contaminated soil in Adelanto, approximately 56 miles from the Project site (by roadway).

APPENDIX D – EXISTING CALEEMOD OUTPUT SHEETS

23-105 Massachusetts Existing Detailed Report

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1.1. Basic Project Information

Data Field	Value
Project Name	23-105 Massachusetts Existing
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.20
Precipitation (days)	14.2
Location	33.98719479573735, -117.35639090186527
County	Riverside-South Coast
City	Riverside
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5400
EDFZ	11
Electric Utility	City of Riverside
Gas Utility	Southern California Gas
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
General Heavy Industry	99.8	1000sqft	2.29	99,850	0.00	—	—	—

Other Asphalt Surfaces	7.92	Acre	7.92	0.00	0.00	—	—	—
User Defined Industrial	99.8	User Defined Unit	0.00	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Unmit.	5.10	4.39	30.4	0.08	6.46	1.75	11,167
Daily, Winter (Max)	—	—	—	—	—	—	—
Unmit.	4.31	4.57	21.5	0.08	6.45	1.74	10,696
Average Daily (Max)	—	—	—	—	—	—	—
Unmit.	4.79	4.66	25.2	0.08	6.40	1.73	10,780
Annual (Max)	—	—	—	—	—	—	—
Unmit.	0.87	0.85	4.61	0.01	1.17	0.32	1,785
Exceeds (Daily Max)	—	—	—	—	—	—	—
Threshold	55.0	55.0	550	150	150	55.0	—
Unmit.	No	No	No	No	No	No	—
Exceeds (Average Daily)	—	—	—	—	—	—	—
Threshold	55.0	55.0	550	150	150	55.0	—
Unmit.	No	No	No	No	No	No	—
Exceeds (Annual)	—	—	—	—	—	—	—
Threshold	—	—	—	—	—	—	3,000

Unmit.	—	—	—	—	—	—	No

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Mobile	1.88	3.20	25.1	0.08	6.36	1.66	7,977
Area	3.16	0.04	4.34	< 0.005	0.01	0.01	17.9
Energy	0.06	1.15	0.97	0.01	0.09	0.09	2,533
Water	—	—	—	—	—	—	380
Waste	—	—	—	—	—	—	233
Refrig.	—	—	—	—	—	—	26.0
Total	5.10	4.39	30.4	0.08	6.46	1.75	11,167
Daily, Winter (Max)	—	—	—	—	—	—	—
Mobile	1.81	3.42	20.5	0.07	6.36	1.66	7,524
Area	2.44	—	—	—	—	—	—
Energy	0.06	1.15	0.97	0.01	0.09	0.09	2,533
Water	—	—	—	—	—	—	380
Waste	—	—	—	—	—	—	233
Refrig.	—	—	—	—	—	—	26.0
Total	4.31	4.57	21.5	0.08	6.45	1.74	10,696
Average Daily	—	—	—	—	—	—	—
Mobile	1.79	3.48	21.3	0.07	6.31	1.64	7,596
Area	2.93	0.03	2.97	< 0.005	0.01	< 0.005	12.3
Energy	0.06	1.15	0.97	0.01	0.09	0.09	2,533
Water	—	—	—	—	—	—	380
Waste	—	—	—	—	—	—	233
Refrig.	—	—	—	—	—	—	26.0

Total	4.79	4.66	25.2	0.08	6.40	1.73	10,780
Annual	—	—	—	—	—	—	—
Mobile	0.33	0.64	3.89	0.01	1.15	0.30	1,258
Area	0.54	< 0.005	0.54	< 0.005	< 0.005	< 0.005	2.03
Energy	0.01	0.21	0.18	< 0.005	0.02	0.02	419
Water	—	—	—	—	—	—	62.9
Waste	—	—	—	—	—	—	38.7
Refrig.	—	—	—	—	—	—	4.30
Total	0.87	0.85	4.61	0.01	1.17	0.32	1,785

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
General Heavy Industry	1.84	1.13	24.5	0.06	5.66	1.44	5,738
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.05	2.08	0.57	0.02	0.71	0.21	2,239
Total	1.88	3.20	25.1	0.08	6.36	1.66	7,977
Daily, Winter (Max)	—	—	—	—	—	—	—
General Heavy Industry	1.76	1.25	19.9	0.05	5.66	1.44	5,290
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User Defined Industrial	0.04	2.17	0.57	0.02	0.71	0.21	2,234
Total	1.81	3.42	20.5	0.07	6.36	1.66	7,524
Annual	—	—	—	—	—	—	—
General Heavy Industry	0.32	0.24	3.78	0.01	1.02	0.26	887
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.01	0.40	0.10	< 0.005	0.13	0.04	370
Total	0.33	0.64	3.89	0.01	1.15	0.30	1,258

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
General Heavy Industry	—	—	—	—	—	—	1,155
Other Asphalt Surfaces	—	—	—	—	—	—	0.00
User Defined Industrial	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	1,155
Daily, Winter (Max)	—	—	—	—	—	—	—
General Heavy Industry	—	—	—	—	—	—	1,155
Other Asphalt Surfaces	—	—	—	—	—	—	0.00
User Defined Industrial	—	—	—	—	—	—	0.00

Total	—	—	—	—	—	—	1,155
Annual	—	—	—	—	—	—	—
General Heavy Industry	—	—	—	—	—	—	191
Other Asphalt Surfaces	—	—	—	—	—	—	0.00
User Defined Industrial	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	191

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
General Heavy Industry	0.06	1.15	0.97	0.01	0.09	0.09	1,378
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.06	1.15	0.97	0.01	0.09	0.09	1,378
Daily, Winter (Max)	—	—	—	—	—	—	—
General Heavy Industry	0.06	1.15	0.97	0.01	0.09	0.09	1,378
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.06	1.15	0.97	0.01	0.09	0.09	1,378
Annual	—	—	—	—	—	—	—
General Heavy Industry	0.01	0.21	0.18	< 0.005	0.02	0.02	228

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.01	0.21	0.18	< 0.005	0.02	0.02	228

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Consumer Products	2.16	—	—	—	—	—	—
Architectural Coatings	0.28	—	—	—	—	—	—
Landscape Equipment	0.71	0.04	4.34	< 0.005	0.01	0.01	17.9
Total	3.16	0.04	4.34	< 0.005	0.01	0.01	17.9
Daily, Winter (Max)	—	—	—	—	—	—	—
Consumer Products	2.16	—	—	—	—	—	—
Architectural Coatings	0.28	—	—	—	—	—	—
Total	2.44	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Consumer Products	0.39	—	—	—	—	—	—
Architectural Coatings	0.05	—	—	—	—	—	—
Landscape Equipment	0.09	< 0.005	0.54	< 0.005	< 0.005	< 0.005	2.03
Total	0.54	< 0.005	0.54	< 0.005	< 0.005	< 0.005	2.03

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
General Heavy Industry	—	—	—	—	—	—	380
Other Asphalt Surfaces	—	—	—	—	—	—	0.00
User Defined Industrial	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	380
Daily, Winter (Max)	—	—	—	—	—	—	—
General Heavy Industry	—	—	—	—	—	—	380
Other Asphalt Surfaces	—	—	—	—	—	—	0.00
User Defined Industrial	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	380
Annual	—	—	—	—	—	—	—
General Heavy Industry	—	—	—	—	—	—	62.9
Other Asphalt Surfaces	—	—	—	—	—	—	0.00
User Defined Industrial	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	62.9

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—
General Heavy Industry	—	—	—	—	—	—	233
Other Asphalt Surfaces	—	—	—	—	—	—	0.00
User Defined Industrial	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	233
Daily, Winter (Max)	—	—	—	—	—	—	—
General Heavy Industry	—	—	—	—	—	—	233
Other Asphalt Surfaces	—	—	—	—	—	—	0.00
User Defined Industrial	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	233
Annual	—	—	—	—	—	—	—
General Heavy Industry	—	—	—	—	—	—	38.7
Other Asphalt Surfaces	—	—	—	—	—	—	0.00
User Defined Industrial	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	38.7

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—

General Heavy Industry	—	—	—	—	—	—	26.0
Total	—	—	—	—	—	—	26.0
Daily, Winter (Max)	—	—	—	—	—	—	—
General Heavy Industry	—	—	—	—	—	—	26.0
Total	—	—	—	—	—	—	26.0
Annual	—	—	—	—	—	—	—
General Heavy Industry	—	—	—	—	—	—	4.30
Total	—	—	—	—	—	—	4.30

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—

Removed	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
General Heavy Industry	461	461	461	168,377	8,090	8,090	8,090	2,952,844
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	25.0	25.0	25.0	9,111	771	771	771	281,430

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	149,775	49,925	20,700

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
General Heavy Industry	955,472	439	0.0330	0.0040	4,288,590
Other Asphalt Surfaces	0.00	439	0.0330	0.0040	0.00
User Defined Industrial	0.00	439	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
General Heavy Industry	23,090,313	0.00
Other Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
General Heavy Industry	124	—
Other Asphalt Surfaces	0.00	—
User Defined Industrial	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Heavy Industry	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	26.3	annual days of extreme heat
Extreme Precipitation	2.65	annual days with precipitation above 20 mm

Sea Level Rise	—	meters of inundation depth
Wildfire	1.71	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	1	1	3

Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	97.0
AQ-PM	90.3
AQ-DPM	97.5
Drinking Water	77.4
Lead Risk Housing	95.3
Pesticides	3.83
Toxic Releases	56.0
Traffic	79.4
Effect Indicators	—

CleanUp Sites	83.2
Groundwater	82.4
Haz Waste Facilities/Generators	84.0
Impaired Water Bodies	0.00
Solid Waste	9.67
Sensitive Population	—
Asthma	69.6
Cardio-vascular	78.1
Low Birth Weights	96.0
Socioeconomic Factor Indicators	—
Education	93.6
Housing	74.0
Linguistic	83.1
Poverty	91.3
Unemployment	98.5

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	10.90722443
Employed	14.1537277
Median HI	15.37277044
Education	—
Bachelor's or higher	0.179648402
High school enrollment	20.74939048
Preschool enrollment	5.62042859
Transportation	—

Auto Access	16.36083665
Active commuting	75.55498524
Social	—
2-parent households	53.0347748
Voting	0.282304632
Neighborhood	—
Alcohol availability	13.07583729
Park access	49.63428718
Retail density	69.44693956
Supermarket access	57.08969588
Tree canopy	18.51661748
Housing	—
Homeownership	28.76940844
Housing habitability	29.78313871
Low-inc homeowner severe housing cost burden	99.12742205
Low-inc renter severe housing cost burden	48.36391634
Uncrowded housing	8.982420121
Health Outcomes	—
Insured adults	7.712049275
Arthritis	40.2
Asthma ER Admissions	29.2
High Blood Pressure	34.2
Cancer (excluding skin)	87.6
Asthma	7.7
Coronary Heart Disease	25.9
Chronic Obstructive Pulmonary Disease	16.6
Diagnosed Diabetes	13.8
Life Expectancy at Birth	33.8

Cognitively Disabled	38.1
Physically Disabled	67.1
Heart Attack ER Admissions	36.0
Mental Health Not Good	5.6
Chronic Kidney Disease	10.6
Obesity	4.4
Pedestrian Injuries	97.3
Physical Health Not Good	6.6
Stroke	22.5
Health Risk Behaviors	—
Binge Drinking	63.5
Current Smoker	6.0
No Leisure Time for Physical Activity	4.5
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	64.0
Elderly	93.3
English Speaking	18.4
Foreign-born	81.3
Outdoor Workers	7.2
Climate Change Adaptive Capacity	—
Impervious Surface Cover	51.6
Traffic Density	83.8
Traffic Access	68.6
Other Indices	—
Hardship	94.9
Other Decision Support	—

2016 Voting	3.9

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	99.0
Healthy Places Index Score for Project Location (b)	4.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Adjusted lot acreage to match site plan provided by client.
Construction: Off-Road Equipment	Assumed all construction will be utilized 8 hours per work day. Replaced Tractors/Loaders/Backhoes with Crawler Tractors in the Site Preparation and Grading Phases.
Operations: Vehicle Data	Adjusted trip rate to match ITE 11th edition trip rate for General Light Industrial auto trips. Truck trips were applied to the User Defined Industrial land use, with 2 axle trucks applied to Non Res H-W (length and 16percentage), 3 axle trucks applied to Non Res W-O 20%, and 4+ axle trucks applied to Non Res O-O 64%.
Operations: Fleet Mix	Updated vehicle splits to match the existing use operational trip generation

Construction: Construction Phases	Extended architectural coating phase due to size of building facade.

Massachusetts Point

Health Risk Assessment

Prepared for
City of Riverside, Planning Division

September 9, 2025

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1 INTRODUCTION

This Health Risk Assessment (HRA) evaluates the potential impacts of the proposed Massachusetts Point Project (proposed Project). The Project site is located at the northeast corner of Kansas Avenue and Massachusetts Avenue in the City of Riverside. The proposed Project is within the jurisdiction of the South Coast Air Quality Management District (SCAQMD). The Project site consists of three addresses: 2626 Kansas Avenue, 2069 Massachusetts Avenue, and 1989 Massachusetts Avenue. The 14.42-acre Project site is identified by Assessor's Parcel Numbers (APNs) 210-130-015, 210-130-016, and 210-130-020. A portion of the Project site (2626 Kansas Avenue) is currently developed with a commercial/industrial business, NewBasis, Inc., which is a concrete, polymer, and fiberglass products manufacturing business. In addition, 1989 and 2069 Massachusetts Avenue are currently used for bus parking and storage.

The Project proposes to demolish the two existing buildings totaling 99,850-square-foot (SF) to construct two industrial buildings totaling 199,850 SF. Building 1 would be 99,900 SF and Building 2 would be 99,950 SF. The two buildings would support general heavy industrial uses and cold storage. To provide a conservative analysis, the Project was assumed to dedicate 20% of the total building area to cold storage. Development of the site would also include landscaping, utility connections, stormwater facilities, and pavement of parking areas and drive aisles. The proposed Project location and site are shown in Figure 1, *Project Location,* and Figure 2, *Project Site Plan.*

Figure 1: Project Location

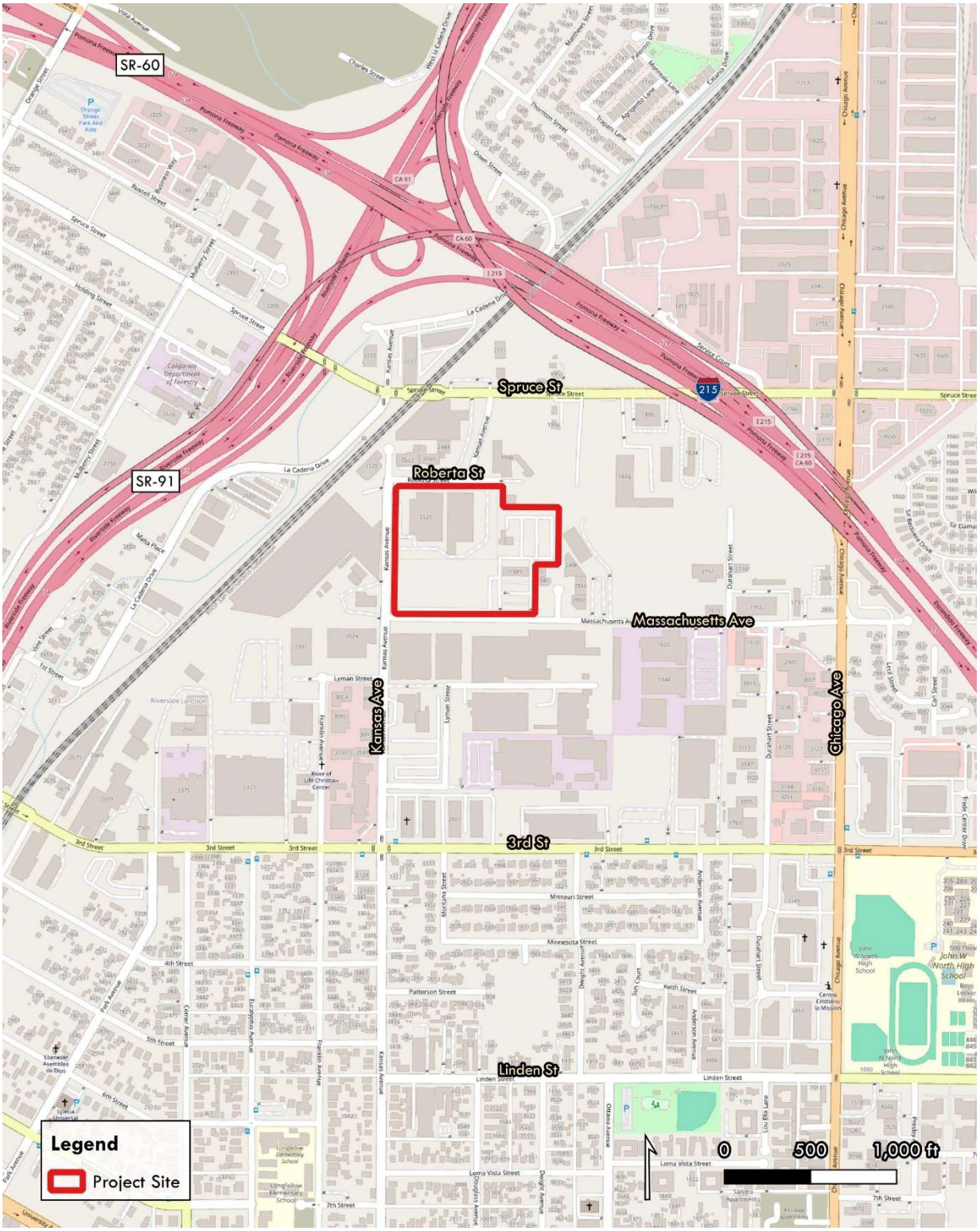
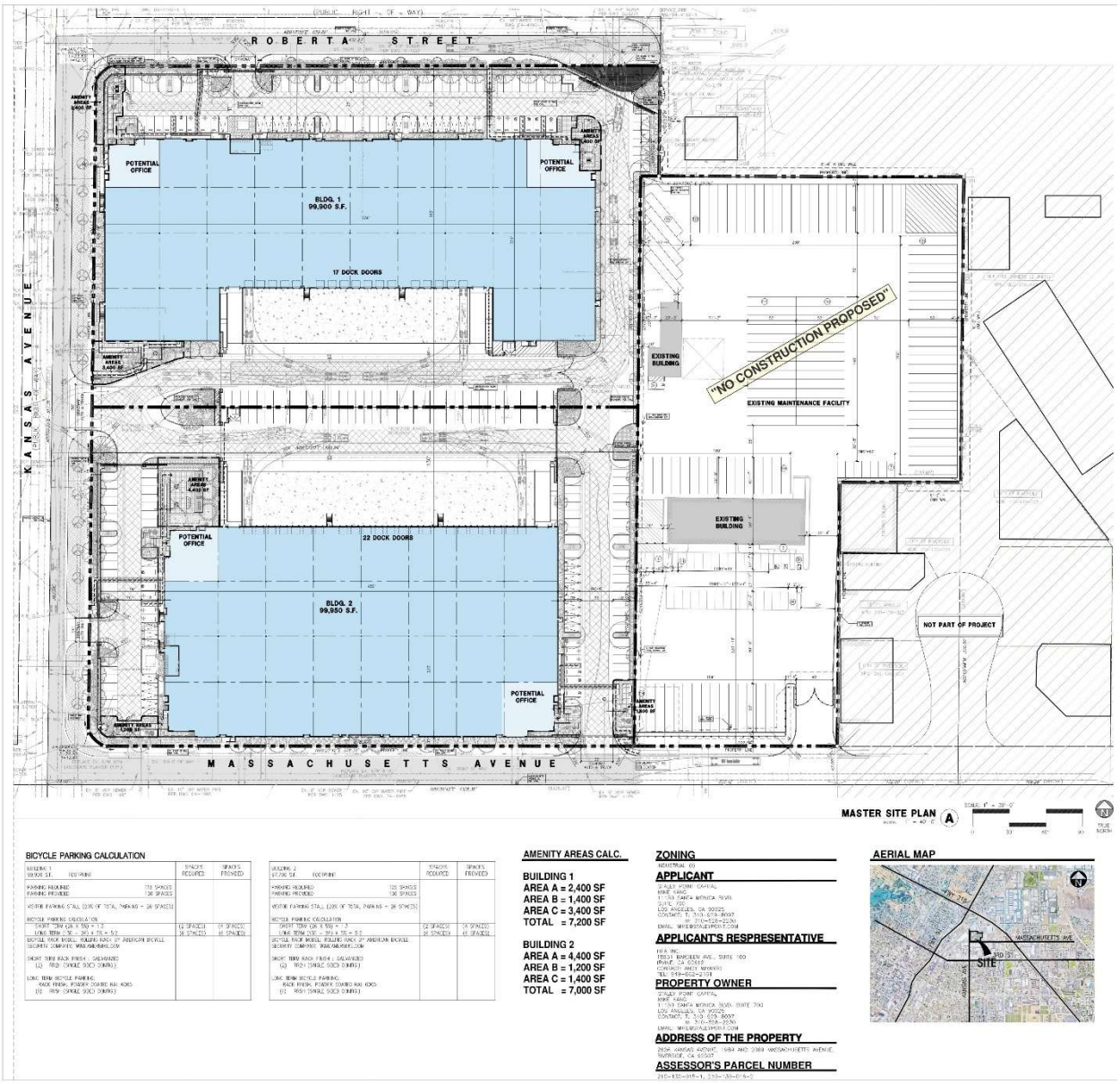


Figure 2: Project Site Plan



1.1 Access and Circulation

The proposed Project would construction five new driveways. Driveway 1, a cul-de-sac located to the northeast along Roberta Street, is 37 feet and 6 inches wide and accommodates both passenger vehicles and trucks. Driveway 2, situated to the northwest along Roberta Street, is 26 feet wide and limited to passenger vehicles. Driveway 3, located centrally along Kansas Avenue, is 50 feet wide and allows both passenger vehicles and truck access. Driveway 4, located to the southwest along Kansas Avenue, is 26 feet wide and restricted to passenger vehicles. Driveway 5, located along Massachusetts Avenue, is 35 feet wide and accommodates both passenger vehicles and trucks.

Building 1 would be accessible via Driveways 1, 2, and 3, while Building 2 is accessible through Driveways 3, 4, and 5. Internal access for both buildings would be provided via 26-feet-wide to 35-feet-wide drive aisles, which would double as fire lanes.

Trucks are expected to primarily utilize Driveway 1, located on the northeast end of the Project site along Roberta Street, Driveway 3, located on Kansas Avenue, and Driveway 5, located along Massachusetts Avenue, when traveling to or from 3rd Street for regional access. For a conservative analysis, truck access to Building 1 was analyzed to be provided via Driveway 1 and truck access to Building 2 was analyzed to be provided via Driveway 5.

1.2 Parking and Loading Docks

The Project would provide a total of 260 parking stalls. Parking stalls for Building 1 would be located along the west, south, and east side of Building 1. Building 1 would include 130 parking stalls, inclusive of 100 standard stalls, 23 electric vehicle (EV) charging stalls (which include charging stations and supply equipment), and seven accessible stalls (which include standard, van, EV standard, and EV van). Parking stalls for Building 2 would be located along the north and east side of Building 2. Building 2 would include 130 parking stalls, with the same breakdown as Building 1.

Finally, the Project would include 17 dock doors along the southern side of Building 1 and 22 dock doors along the northern side of Building 2, for a total of 39 dock doors. The Project does not include any truck or trailer parking stalls. See Figure 2, *Project Site Plan*.

1.3 Operational Characteristics

The Project proposes two light industrial buildings, with associated administrative offices. To provide a conservative analysis, the proposed Project was assumed to dedicate 20% of the total building area to cold storage although no cold storage is being proposed. Operational characteristics include employee trips, deliveries to and from the site, and truck loading and unloading.

The Project is expected to begin operation in the second quarter of 2027. In order to provide a conservative health risk analysis, operations were assumed to be 24 hours a day, seven days a week.

The proposed Project would also include one emergency diesel backup generator and one diesel fire pump at each building, for a total of two diesel backup generators and two diesel fire pumps proposed for the Project. This analysis conservatively assumed to operate the diesel backup generators for 200 hours and the

diesel fire pumps for 50 hours per year, respectively, in accordance with SCAQMD Rule 1470. SCAQMD Rule1470 limit stationary diesel-fueled internal combustion to a maximum of 50 hours per year for testing and maintenance.[1] Additionally, SCAQMD provided a comment letter for *1977 Saturn Data Center Project*, stating that in addition to a maximum of 50 hours per year for maintenance and testing for emergency generator diesel engines, many SCAQMD permits allow for up to 200 hours per year for emergency uses (inclusive of the 50 hours of testing). Thus, the proposed Project's emergency diesel backup generators were analyzed to operate up to 200 hours per year.[2] The proposed Project would not exceed testing and maintenance restrictions in accordance with the SCAQMD's operational requirements for emergency diesel engines or Rule 1470.

1.4 Purpose of the Report

To support the CEQA document for the proposed Project, this report evaluates the potential health impacts to sensitive receptors from the construction and operation of the Project. This HRA focuses on the emissions of diesel particulate matter (DPM) from the construction and operation of the heavy-duty diesel vehicles and off-road construction equipment that would be utilized for the construction and operational purposes of the Project on a day-to-day basis. DPM has been identified by the California Air Resources Board (CARB) as a carcinogenic substance responsible for nearly 70% of the airborne cancer risk in California.[3] The estimated health risk impacts from the Project construction were compared to the health risk significance thresholds recommended by the South Coast Air Quality Management District (SCAQMD) for use in CEQA assessments.[4]

This HRA employed the following tools to estimate the health impacts of the Project:

- The California Air Pollution Control Officers Association California Emissions Estimator Model (CalEEMod, Version 2022.1) to calculate exhaust emissions from mobile sources such as diesel trucks and construction equipment such as crawler tractors and cranes during the construction of the Project.
- The U.S. Environmental Protection Agency (EPA) American Meteorological Society (AMS)/EPA Regulatory Model ("AERMOD") Version 23132 air dispersion model to estimate DPM impacts to sensitive receptors.
- Cancer Risk Methodology from the California Office of Environmental Health Hazards Assessment (OEHHA)[5] and the SCAQMD.[6]
- The Emissions Factor project-level model (EMFAC, 2021 Version) calculates idling, 5 mile-per-hour (mph), and 25 mph exhaust emissions from diesel trucks during the operation of the Project.

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[1] SCAQMD. (2021).*Requirements for Stationary Diesel-Fueled Internal Combustion and Other Compression Ignition Engines: Maintenance Hours*. https://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1470.pdf

[2] SCAQMD. (2024) *Notice of Availability of a Draft Initial Study/Mitigated Negative Declaration for the 1977 Saturn Data Center Project (SCH No.2024101397)*.

[3] California Air Resources Board. (2017). *Study Links California Regulations, Dramatic Declines in Cancer Risk from Exposure to Air Toxics*. https://ww2.arb.ca.gov/news/study-links-california-regulations-dramatic-declines-cancer-risk-exposure-air-toxics

[4] SCAQMD. (2017). *Risk Assessment Procedures for Rules 1401, 1401.1, 1402, and 212, Version 8.1*.

[5] California Office of Environmental Health Hazards Assessment. (2015). *Air Toxics Hot Spots Program. Risk Assessment Guidelines. Guidance Manual for Preparation of Health Risk Assessments*. https://oehha.ca.gov/media/downloads/crnr/2015guidancemanual.pdf

[6] SCAQMD. (2017). *Risk Assessment Procedures for Rules 1401, 1401.1, 1402, and 212, Version 8.1*.

1.5 Summary of the Results

While there is an existing facility that generates diesel emissions, the Project was conservatively analyzed without taking credit for existing emissions. The emissions from the Project's construction, operation, and combined construction and operation would not result in cancer health risks that exceed the lifetime cancer risk threshold of 10 in one million at the maximum impacted sensitive receptor set forth in [citation]. The Project's emissions for construction and operational impacts would also not result in a non-cancer risk greater than the 1.0 non-cancer hazard index (HI) threshold. The Project's maximum construction, operational, and combined health risk results are summarized below.

Maximum Project Construction Health Risk Results:

- Sensitive/residential receptor for the 30-year lifetime exposure duration: 0.63 in one million
- Worker receptor: 0.58 in one million
- Sensitive receptor chronic non-cancer HI: <0.01
- Worker receptor chronic non-cancer HI: 0.04

Maximum Project Operational Health Risk Results:

- Sensitive/residential receptor for the 30-year lifetime exposure duration: 5.59 in one million
- Worker receptor: 4.04 in one million
- Sensitive receptor chronic non-cancer HI: <0.01
- Worker receptor chronic non-cancer HI: 0.01

Combined Project Construction and Operational Cancer Risk Results:

- Sensitive/residential receptor for the 30-year exposure duration: 3.82 in one million
- Worker receptor: 3.81 in one million

The Project's individual construction and operational and combined health risk results would not exceed the SCAQMD significance threshold of 10 in one million, nor the HI threshold of 1.0. Therefore, the construction and operation of the proposed Project would result in less-than-significant project-level and cumulative-level impacts for cancer and non-cancer health risk.

2 HEALTH RISK ASSESSMENT

An HRA is a guide that helps determine whether the risks from current or future exposures to a toxic chemical or substance in the environment could affect the health of a population. In general, the quantification of risk from the development of a project depends on the following factors:

- Identification of the toxic air contaminants (TACs) that may be present in the air;
- Estimation of the amount of TACs released from all emission sources using emission models;
- Estimation of the airborne concentrations of TACs in the geographic area of concern using air dispersion models with information about emissions, source locations, weather, and other factors;
- Estimation of the level of exposure to different concentrations of the TACs at different geographic locations and their consequential health impacts.

Thus, an HRA identifies the TACs that could affect public health, identifies the sources and quantities of the TAC emissions, estimates where the emissions are transported by prevailing meteorological conditions, and assesses the consequential health impacts due to the identified exposures.

The State of California Office of Environmental Health Hazards Assessment (OEHHA) has developed methods for conducting HRAs. As defined under the Air Toxics "Hot Spots" Information and Assessment Act:

> "*A health risk assessment means a detailed, comprehensive analysis prepared pursuant to Section 44361 to evaluate and predict the dispersion of hazardous substances in the environment and the potential for exposure of human populations and to assess and quantify both the individual and population-wide health risks associated with those levels of exposure.*"[7]

The methodology used to estimate health risks and hazards that could potentially affect nearby sensitive receptors from the emissions of TACs is described below. The methodology includes assumptions regarding emission source quantification, configurations and locations, receptor locations, air dispersion modeling, and health risk modeling. As noted above, this HRA focused on DPM emissions that the CARB has identified as the principal airborne carcinogenic substance in California. For purposes of this HRA, DPM was assumed to be comprised of PM_{10} vehicle exhaust emissions.

2.1 SCAQMD Significance Thresholds

Project-Level

The City of Riverside has not adopted a numerical significance threshold for cancer risk or non-cancer chronic health risk impacts. Therefore, the significance thresholds recommended by the SCAQMD were used for this assessment. The relevant significance thresholds are provided below:

- Cancer Risk: ten (10) persons per million population as the maximum acceptable incremental cancer risk due to exposure to TACs.
- Non-Cancer Hazard Index (HI): 1.0.

7 California Health and Safety Code Section 44306 Chapter 1252. (1987) AB 2588.

These thresholds are discussed further in Section 2.2, *Health Risk Estimation Methodology*.

Cumulative

The SCAQMD conducted an analysis of the cumulative effects of TACs within the South Coast Air Basin as part of its *Multiple Air Toxics Exposure Study in the South Coast Air Basin* (MATES-V, the draft version of this MATES study series).[8] The MATES-V study expresses cumulative TAC impacts in terms of potential increased cancer risks. Cumulative impact thresholds derive from this study, since the Project site is within the MATES-V Study area. The MATES-V Study estimates the cumulative TAC-source cancer risk for the localized area encompassing the Project site ranges from 300 to 400 in one million. DPM-source cancer risks are reflected in the area's ambient cumulative cancer risk along with all other TAC-source risks and account for the predominance (68%) of the total risk shown in MATES-V for the Project site area. A cancer risk upper limit of 400 in a million was assumed to comprise the impact from existing TAC emission sources in the region without the impacts from the Project.

The TAC emissions inventory used in the MATES-V study to estimate health impacts was representative of emissions for the year 2018. In addition to the MATES-V cumulative TAC-source cancer risk noted above, other new or proposed potential TAC-generating projects (related projects) in the Project area not included in the MATES V study could contribute to cumulative TAC impacts. The SCAQMD has published a white paper on addressing cumulative impacts from air pollution.[9] The white paper recommends a 1,000-foot distance from a proposed project to identify other development projects that could contribute to cumulative impacts.[10] The 1,000-foot evaluation distance is supported by research-based findings concerning TAC emission dispersion rates from roadways and large sources, showing that emissions diminish substantially between 500 and 1,000 feet from emission sources. While the cumulative analysis incorporates future emissions within 1,000 feet of the source, the project-specific and cumulative significance thresholds of 10 in one million remain the same.

Section 3.2, *Cumulative Analysis,* discusses the cumulative analysis of the Project further.

2.2 Health Risk Estimation Methodology

Cancer Risk

Cancer risks are estimated as the upper-bound incremental probability that an individual would develop cancer due to exposure to potential carcinogens over a specified exposure duration. The estimated risk is expressed as a probability since there is no level below which some level of impact may occur. The cancer risk attributed to a chemical is calculated by multiplying the chemical intake or dose at the human exchange boundaries (e.g., lungs) by the chemical-specific cancer potency factor (CPF). Cancer risk is expressed in terms of expected incremental incidence per million population. The SCAQMD has established an incidence rate of 10 persons per million as the maximum acceptable incremental cancer risk due to DPM exposure.

8 South Coast Air Quality Management District (SCAQMD). (2021). *Multiple Air Toxics Exposure Study in the South Coast Air Basin (MATES-V)*. http://www.aqmd.gov/home/air-quality/air-quality-studies/health-studies/mates-v
9 South Coast Air Quality Management District (SCAQMD). (2003). *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution.*
10 South Coast Air Quality Management District (SCAQMD). (2019). *CEQA Comment Letter, Mitigated Negative Declaration (MND) for the Proposed Alder II Warehouse Project.* http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/january/SBC181221-08.pdf?sfvrsn=8.

This threshold serves to determine whether a given project has a potentially significant project-level and cumulative-level impact. The threshold of 10 in one million implies a likelihood that up to 10 persons out of one million, equally exposed, would develop cancer if exposed continuously to the levels of toxic air contaminants over a specified duration of time. This risk is an excess cancer risk in addition to any environmental cancer risk borne by a person not exposed to these air toxins.

The exposure dose is the amount of a chemical taken into the body at a given time. In particular, the exposure dose through inhalation ($Dose_{air}$) is a function of the breathing rate, the exposure frequency, and the concentration of exposures. Breathing rates change over time for different age groups and are determined for specific age groups. The $Dose_{air}$ is calculated for each of the following age groups: third trimester to birth, and 0 to 2, 2 to 16, and 16 to 30 years of age. The OEHHA recommends that the 30-year exposure duration be used as the basis for public notification and risk reduction audits and plans.[11] The risks for each age group are summed together to provide a total estimate of lifetime cancer risks for sensitive receptors. To estimate the cancer risk, the $Dose_{air}$ is estimated by applying the following equation to the DPM concentration at each receptor as calculated by the AERMOD air dispersion model:[12]

$$Dose_{air} = C_{DPM} \times DBR_i \times A \times EF_i \qquad \text{(EQ-1)}$$

Where:

$Dose_{air}$ = dose through inhalation (mg/kg/day)

C_{DPM} = period average concentration of DPM as estimated by the air dispersion model ($\mu g/m^3$)

DBR = daily breathing rate for each age group (liters/kg-day)—see Table 1

A = Inhalation absorption factor (unitless = 1)

EF = exposure frequency (days per year)

i – number of age groups

The dose is multiplied by the cancer potency factor, the age sensitivity factors (ASF), the exposure duration (ED), and the fraction of time spent at home (FAH, for sensitive/residential receptors only) divided by averaging time (AT) to arrive at an estimate of cancer risk:

$$\text{Cancer Risk} = Dose_{air,i} \times CPF \times ASF_i \times ED_i \times FAH_i/AT \qquad \text{(EQ-2)}$$

Where:

Cancer Risk = Total individual excess inhalation cancer risk, defined as the cancer risk a hypothetical individual faces if exposed to carcinogenic emissions from a particular source for specified exposure durations; this risk is summed over all age groups; cancer risk is expressed in terms of risk per million exposed individuals.

$Dose_{air,i}$ = inhalation dose through inhalation (mg/kg-day)

CPF = inhalation cancer potency factor $(mg/kg\text{-}day)^{-1}$

ASF_i = age sensitivity factors (see Table 1)

[11] California Office of Environmental Health Hazards Assessment. (2015). *Risk Assessment Guidelines, Guidance Manual for Preparation of Health Risk Assessments*. Page 8-6.
[12] See Section 1.4, *Purpose of Report,* for AERMOD.

ED_i = exposure duration (years)—see Table 1

AT = averaging time of lifetime cancer risk (70 years or 25550 days)

FAH_i = fraction of time spent at home—see Table 1

n = number of age groups

For purposes of this HRA, the operational 30-year exposure duration for sensitive/residential receptors, consistent with the OEHHA/SCAQMD guidance, was assumed to span the time period of the third trimester pre-birth in 2026 (the Project's opening year) to the year 2056. The OEHHA recommends that the 30-year exposure duration be used as the basis for public notification and risk reduction audits and plans. Estimates of cancer risk were also provided for informational purposes for child exposure (third trimester pre-birth to 9 years), and an adult exposure (30 years). While the operation of the Project does utilize the OEHHA recommended 30-year exposure, the Project's construction duration is expected to only span 1.21 years, thus the construction health risk impact is only calculated across the 1.21 years of construction. From the third trimester pre-birth in 2026, to the year of construction completion, in 2027.

Table 1 provides the values for the various cancer risk parameters shown in equations EQ-1 and EQ-2 for the receptor groups examined in this assessment for both construction and operation of the Project. For DPM, the value of the CPF is 1.1 milligrams per kilogram per day.

Table 1: Exposure Assumptions for Cancer Risk–OEHHA/SCAQMD Guidance

Age Group	Exposure Frequency, EF				Exposure Duration[1] (ED) (Years)		Age Sensitivity Factors (ASF)	Time at Home (TAH)	Daily Breathing Rate[a] (DBR) (L/kg-day)
	Construction		Operation		Construction	Operation			
	Hours/Day	Days/Year	Hours/Day	Days/Year					
Sensitive/Residential Receptor – Pre-birth to Adult (30-year duration)									
3rd Trimester to Birth	8	250	24	350	0.25	0.25	10	1.0	361
0 to 2 years	8	250	24	350	0.96	2	10	1.0	1,090
2 to 16 years	8	250	24	350		14	3	1.0	745
16 to 30 years	8	250	24	350		14	1	0.73	335
Sensitive Receptor/Residential Child (9-year duration)									
3rd Trimester to Birth	8	250	24	350	0.25	0.25	10	1.0	361
0 to 2 years	8	250	24	350	0.96	2	10	1.0	1,090
2 to 9 years	8	250	24	350		7	3	1.0	861
Sensitive Receptor/Residential Receptor – Adult (30-year duration)									
17 years and older	8	250	24	350	1.21	30	1	0.73	335
Worker Receptor (25-years duration)									
17 years and older	8	250	8	350	1.21	25	1		230

[a] Daily breathing rates are representative of the 95th percentile for sensitive/residential receptors.
(L/kg-day) = liters per kilogram body weight per day
Source: SCAQMD Rule 1401

Chronic Non-Cancer Hazard

TACs can also cause chronic (long-term) effects on non-cancer illnesses such as reproductive effects, birth defects, or adverse environmental effects. Non-cancer health risks are conveyed in terms of the Hazard Index (HI). A ratio of the predicted concentration of the facility's reported TAC emissions to a concentration is considered acceptable to public health professionals. A significant risk is defined as an HI of 1.0 or greater.[13] An HI of less than 1.0 indicates that no significant health risks are expected from the facility's TAC emissions. The following equation gives the relationship for the non-cancer hazards for TACs:

$$HI = C_{ann}/REL \quad \text{(EQ-3)}$$

Where:

HI = Hazard Index: an expression of the potential for chronic non-cancer health risks

C_{ann} = Annual average TAC concentration (µg/m^3)

REL = Reference Exposure Level: the DPM concentration at which no adverse health effects are anticipated

As predicted by the air dispersion model, annual concentrations of DPM are used to estimate chronic non-cancer hazards. The OEHHA has defined an REL for DPM of 5 µg/m^3.

2.3 Estimation of Project DPM Emissions

Construction DPM Emissions

Construction emissions were calculated using CalEEMod Version 2022.1. DPM construction emissions were based on the CalEEMod construction runs for the proposed construction schedule and equipment inventory, using exhaust PM_{10} construction emissions to represent DPM emissions. Construction-related DPM emissions are expected to primarily occur as a function of heavy-duty equipment that would operate on-site during the construction phase. Additional DPM emissions would occur from the operation of construction vehicles that travel to/from the Project during construction (vendor trucks and worker vehicles). This analysis conservatively assumes that all haul and vendor trucks would use diesel fuel. The travel links used to estimate the construction DPM emissions were:

- 75% of trucks would enter and exit the site through Massachusetts Avenue to the Project center, travel west via Massachusetts Avenue, south via Chicago Avenue, then West via 3rd Street to Interstate 215 (I-215).
- 25% of trucks would enter and exit the site through Roberta Avenue to the Project center, travel north via Kansas Avenue, then west via Spruce Avenue to State Route 91 (SR-91).

These travel link assumptions can be found in Table 11 and Appendix C.1.

[13] SCAQMD. (2023). *South Coast AQMD Air Quality Significance Thresholds*. https://www.aqmd.gov/docs/default-source/ceqa/handbook/south-coast-aqmd-air-quality-significance-thresholds.pdf?sfvrsn=25.

Construction Equipment Emission Inventory Development

The first requirement to conduct the HRA involves identifying and quantifying the sources of construction DPM air emissions from the Project, also termed an emissions inventory. Each piece of equipment that emits DPM is identified in terms of its location and physical characteristics (release height, release temperature, etc.) and the chemical nature of the emissions. The predominant sources of DPM emissions resulting from the construction of the Project derive from the heavy-duty diesel trucks that travel to, from, and within the Project site each day, as well as the off-road construction equipment used during the six construction phases: demolition, site preparation, grading, building construction, paving, and architectural coating. The Project's DPM exhaust emissions were calculated using the PM_{10} exhaust emissions calculated from CalEEMod. Table 2, *Construction Schedule,* presents the Project's construction schedule and Table 3, *Proposed Project Construction Equipment Inventory,* shows the Project's proposed construction equipment. Table 4, *Proposed Construction Vehicle Use,* shows the proposed construction vehicle use for worker and vendor trips. Total hauling trips for demolition, site preparation, and grading phases are featured in Table 4 are calculated off-model and incorporate the anticipated soil import and export trips for the construction of the Project. Table 5, *Project On-Site and Off-Site Construction Source DPM Daily Emissions,* depicts the maximum daily DPM emissions of the Project's construction. Figure 3, *Locations of the Project's Construction On-Site and Off-Site DPM Emission Sources,* provides the locations of the on-site and off-site construction DPM emission sources.

Table 2: Construction Schedule

Activity	Start Date	End Date	Total Working Days
Demolition	1/1/2026	1/29/2026	20
Site Preparation	1/30/2026	2/13/2026	10
Grading	2/14/2026	3/28/2026	30
Building Construction	3/29/2026	1/1/2027	200
Paving	1/4/2027	1/29/2027	20
Architectural Coating	2/1/2027	3/19/2027	35

Source: See CalEEMod Output in Appendix A

Table 3: Proposed Project Construction Equipment Inventory

Activity	Equipment	Number per day	Hours per day	Horse-power	Load Factor
Demolition	Concrete/Industrial Saws	1	8	33	0.73
	Excavators	3	8	36	0.38
	Rubber Tired Dozers	2	8	367	0.4
Site Preparation	Rubber Tired Dozers	3	8	367	0.4
	Crawler Tractors	4	8	87	0.37
Grading	Excavators	2	8	36	0.38
	Graders	1	8	148	0.41
	Rubber Tired Dozers	1	8	367	0.4
	Scrapers	2	8	87	0.48
	Crawler Tractors	2	8	84	0.37
Building Construction	Cranes	1	8	367	0.29
	Forklifts	3	8	82	0.2
	Generator Sets	1	8	14	0.74
	Tractors/Loaders/Backhoes	3	8	84	0.37
	Welders	1	8	46	0.45
Paving	Pavers	2	8	81	0.42
	Paving Equipment	2	8	89	0.36
	Rollers	2	8	36	0.38
Architectural Coating	Air Compressors	1	8	37	0.48

Source: See CalEEMod Output in Appendix A

Table 4: Proposed Construction Vehicle Use

Activity	Daily Worker Trips[1]	Daily Vendor Trips[1]	Total Haul Trips[2]
Demolition	15	0	2,223
Site Preparation	18	0	63
Grading	20	0	1,130
Building Construction	84	33	0
Paving	15	0	0

Source: See CalEEMod Output in Appendix A.
[1] One-way trips per day.
[2] Total trips over entirety of Project construction phase, total haul trips were calculated off-model based on the import/export volumes to and from the Project site.

Table 5: Project On-Site and Off-Site Construction Source DPM Daily Emissions

Activity	Work Days	On-Site	Off-Site	Total
		Maximum Daily DPM Emissions (pounds/day)	Maximum Daily DPM Emissions (pounds/day)	Maximum Daily Construction Emissions (pounds/day)
2026				
Demolition	20	0.84	0.41	
Site Preparation	10	1.77	0.02	
Grading	30	1.38	0.50	
Building Construction	200	0.41	0.01	
Maximum Daily Construction Emissions 2026		1.77	0.41	**2.18**
2027				
Paving	20	0.30	<0.01	
Architectural Coating	35	0.03	<0.01	
Maximum Daily Construction Emissions 2027		0.30	<0.01	0.30
2026-2027 Maximum Daily Construction Emissions (pounds/day)				**2.18**

Source: See Data Attachment in Appendix C.1

Figure 3: Locations of the Project's Construction On-Site and Off-Site DPM Emission Sources

Operational DPM Emissions

An emissions inventory is also identified and quantified for the Project's operational DPM air emissions sources. The predominant sources of DPM emissions resulting from the operation of the Project would be derived from the heavy-duty diesel trucks that would travel to and from and within the Project site each day. Additional DPM emissions would result from the operation of the transportation refrigeration units, stationary emergency generator set, as well as the diesel fire pump. Details of these emission sources can be found in Table 11, *Summary of Construction and Operational Emissions Source Configuration*. As previously stated, while existing development on the Project site generates diesel emissions, this report conservatively analyzes the Project from ground up. Emissions calculated below are estimates of Project-only emissions, without taking credit for any emissions from the existing development.

Estimation of Mobile Source Emissions

Estimates of mobile source emissions are based on an emission factor and an activity level. An emission factor quantifies the amount of air emission for a specific activity, such as a gram of DPM (as PM_{10} exhaust) emitted per vehicle mile traveled or per hour of idling, while the activity level is defined as the vehicle trip, number of miles traveled, or the amount of time a vehicle spends idling.

Emissions from motor vehicles can be characterized as follows:

Combustion emissions (grams/mile or grams/hour for idling) resulting from the combustion of diesel fuel from heavy-duty trucks are the primary source of DPM emissions. The CARB EMFAC2021 mobile source emission model provides emission rates for user-defined heavy-duty truck speeds, fuel type, vehicle class, and model year.[14]

The emissions of DPM from mobile sources are calculated as follows for running exhaust emissions and idling emissions:

$$\text{Running Exhaust Emissions}_{RE} = \sum_{i=1}^{n} (VMT_i \times EF_i)$$

$$\text{Idling Emissions}_{ID} = \sum_{i=1}^{n} \left(IdNum_i \times T_i \times EF_i\right)$$

Where:

Emissions_{RE} = Running exhaust emissions summed over all vehicle classes

Emissions_{ID} = Idling emissions summed over all vehicle classes

EF_i = Running exhaust emission factor for each vehicle type at a specific vehicle speed (g/mi)

EF_{idling} = Idling emission factor for each vehicle class (g/idle-hour)

VMT_i = Total number of vehicle miles summed over all vehicle classes (miles per day)

$IdNum_i$ = Number of idling vehicles by vehicle class

T_i = Idling hours summed over all vehicle classes (hours per day)

[14] California Air Resources Board. *EMFAC Project Analysis*. https://arb.ca.gov/emfac/project-analysis

n = Number of vehicle classes

$_{l}$ = Vehicle class

2.4 Mobile Source Activity Levels

The motor vehicle activity levels were estimated using the vehicle trip information provided in the Vehicle Miles Traveled (VMT) Screening Analysis prepared for the proposed Project.[15] Table 6, *Project Daily Operational Vehicle Trips,* summarizes the daily motor vehicle trips from the Project based on information derived from the Project Trip Generation Report. The trip rate estimate shown at the top of Table 6 refers to both gasoline and diesel-fueled vehicles. Table 6 presents the percentage of diesel vehicle trips by heavy-duty vehicle class for Riverside County South Coast sub-area in 2027, as derived from the EMFAC2021 mobile source emission model, applied to the Project. Table 7, *Diesel Heavy-Duty Truck Vehicle Fleet,* presents the diesel vehicle percentages provided in the EMFAC2021 emission model and Table 8, *Daily Project Diesel Truck Vehicle Trips,* presents the number of heavy-duty diesel trips for the Project operation based on the total number of vehicle trips. Calculation details can be found in the data attachment in Appendix C.2.

Table 6: Project Daily Operational Vehicle Trips

Building 1		
Land Use: Area	**Percentage of Trips (%)**	**Trip Rate (trips/TSF)**
Unrefrigerated Warehousing: 79,920 SF	80	4.87
Refrigerated: 19,980 SF	20	4.87
Fleet Mix	**Percentage of Fleet (%)**	**Vehicle Trips per Day**
Passenger Cars (LDA, LDT1, LDT2, MDV)	64.90	316
2-axle Trucks (LHDT1, LHDT2)	12.18	59
3-axle Trucks (MHDT)	3.86	19
4-axle Trucks (HHDT)	19.09	93
Building 1 Total	**100**	**487**
Building 2		
Land Use: Area	**Percentage of Trips (%)**	**Trip Rate (trips/TSF)**
Nonrefrigerated: 79,920 SF	80	4.87
Refrigerated: 19,980 SF	20	4.87
Fleet Mix	**Percentage of Fleet (%)**	**Vehicle Trips per Day**
Passenger Cars (LDA, LDT1, LDT2, MDV)	64.90	316
2-axle Trucks (LHDT1, LHDT2)	12.18	59
3-axle Trucks (MHDT)	3.86	19
4-axle Trucks (HHDT)	19.09	93
Building 2 Total	**100**	**487**
	PROJECT TOTAL	**974**

LDA: light duty automobile
LDT1/LDT2: light duty trucks
MDV: medium duty vehicle
LHDT1/LHDT2: light heavy-duty trucks;
MHDT: medium heavy-duty trucks
HHDT: heavy heavy-duty trucks
Source: See Data Attachment in Appendix C.2

15 EPD Solutions, Inc. (2024). *Auto Center Drive VMT Screening Analysis.*

Table 7: Diesel Heavy-Duty Truck Vehicle Fleet

Type of Vehicle	Diesel Fuel Vehicles (% of Vehicle Trips)
Light heavy-duty truck (LHDT1)	100.0*
Light heavy-duty truck (LHDT2)	100.0*
Medium heavy-duty truck (MHDT)	100.0*
Heavy heavy-duty truck (HHDT)	100.0*

* Trip percentages for LHDT1, LHDT2, MHDT, and HHDT were assumed to be 100% diesel fleets to provide a conservative analysis of the DPM impacts.
Source: See Data Attachment in Appendix C.2

Table 8: Daily Project Diesel Truck Vehicle Trips

Type of Vehicle	Daily Diesel Vehicle Trips
Light heavy-duty truck (LHDT1)	92
Light heavy-duty truck (LHDT2)	26
Medium heavy-duty truck (MHDT)	38
Heavy heavy-duty truck (HHDT)	186
Total	**342**

Source: See Data Attachment in Appendix C.2

DPM Truck Emission Factors

The DPM (as PM_{10} exhaust) emission factors were derived from the CARB EMFAC2021 model within the Riverside County South Coast sub-area for the Project's opening year of 2027.[16] The model retrieved mobile source emissions in terms of grams per mile (grams/vehicle miles traveled [VMT]) for the running exhaust emissions and grams per idle-hour (g/idle-hr) for idling emissions. The emission factors used in this analysis overstate the potential impacts of the proposed Project, as heavy-duty truck emissions are expected to decrease in future years due to the requirement to comply with existing and future emission regulations requiring vehicle fleet replacement with cleaner technologies.

Transportation refrigeration units (TRUs) are small diesel-fueled engines placed on trucks or trailers to refrigerate perishable products. This analysis assumed that up to 20% of the industrial floor space, resulting in 39,960 SF of the Project's total square footage, could potentially be devoted to refrigeration use. Thus, 20% of all heavy-duty diesel trucks were assumed to be equipped with a TRU. DPM emissions from the TRUs were estimated for travel within the Project site, while idling at the loading docks, and traveling beyond the Project site along the assumed pathway network.

16 California Air Resources Board. (2021). *Measures for Reducing Emissions from On-Road Heavy Duty Vehicles.* http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/2022-air-quality-management-plan/heavy-duty-trucks-presentations-06-03-21.pdf

The emissions derived assume every truck, including TRU trucks, accessing the Project site would idle for 15 minutes at the loading docks as a reasonable and conservative overestimate of the time to unload/load product. The CARB's anti-idling requirements impose a 5-minute maximum idling time on trucks over 10,000 pounds, and therefore the analysis conservatively overestimates DPM emissions from idling by a factor of three. DPM emissions for idling trucks were also derived from the CARB EMFAC 2021 emissions model for the Riverside County South Coast sub-area in 2027. The data attachment in Appendix C.2 presents the data and assumptions for estimating the truck emissions. Table 9 presents the DPM (as PM_{10} exhaust) emission factors that were applied in this HRA.

Table 9: DPM Diesel Truck Emission Factors

Type of Vehicle	Idling Emission Factor (g/idle-hr)	Running Exhaust @ 5 mph (g/mi)	Running Exhaust @ 25 mph (g/idle-hr)
Light heavy-duty truck (LHDT1)	0.788	0.089	0.042
Light heavy-duty truck (LHDT2)	0.793	0.083	0.040
Medium heavy-duty truck (MHDT)	0.038	0.024	0.006
Heavy heavy-duty truck (HHDT)	0.012	0.024	0.006

Notes: g/idle-hr = grams per idle-hour, g/mi = grams per mile, mph = miles per hour
Source: See Data Attachment in Appendix C.2

The Project's operational heavy-duty diesel truck emissions were estimated for vehicle travel while on the Project site and off-site, as the Project's vehicles travel on the local roadway network. All vehicles were assumed to travel at 5 miles per hour while traveling on-site between the two buildings' dock doors, the Kansas Avenue driveway, and eastern drive link, connecting Massachusetts Avenue and Roberta Street. Once exited and traveling off-site, the vehicles were analyzed as traveling at 25 miles per hour. Figure 4, *Locations of the Project's Operational On-Site and Off-Site DPM Emission Sources,* provides the locations of the operational on-site and off-site DPM emission sources.

Figure 4: Locations of the Project's Operational On-Site and Off-Site DPM Emission Sources

2.5 Atmospheric Dispersion Methodology

Atmospheric dispersion modeling is the mathematical simulation of how air pollutants disperse in the ambient atmosphere. The modeling is performed with AERMOD, using a set of mathematical equations that describe the physical processes affecting atmospheric pollutant dispersion, such as turbulence, mixing, and low-level surface effects, providing predictions of pollutant concentrations. The air dispersion model uses emissions from various emission sources and meteorological data such as wind speed and direction, air temperature, and atmospheric mixing rates to estimate the air pollutant impacts at various geographic locations (referred to as receptor locations).

Tables 10 and 11 provide the general assumptions applied in the AERMOD model (Version 23132). The AERMOD output sheets can be found in Appendix B.1 and B.2 for construction and operation, respectively.

Table 10: General Modeling Assumptions

Feature	Assumption
Terrain Processing	Complex terrain; elevations were obtained for the Project site using the EPA AERMAP terrain data pre-processor Version 24142; Data sets: 90_33_75m NAD27
Land Use	Urban based on land use patterns surrounding the Project site
Meteorological Data	Riverside Airport for the years 2019 to 2023
Receptor Locations	A nested receptor grid network was used to include all existing residences and worker locations surrounding the Project site and along the offsite truck routes. Receptors placed a ground-level.
Population	City of Riverside: ~ 318,858.
Building Profile Heights	A height of 45 feet was assumed as the Project building heights and 35 feet for the Existing building heights.

Source: See Data Attachment in Appendix B.1-B.2

Table 11: Summary of Construction and Operational Emissions Source Configuration

Emission Source Type	Geometric Configuration	Relevant Assumptions
Construction Sources	Polygon Area Source	• Size of the construction area source was the size of the Project area to be constructed (approximately 11 acres). • Construction equipment emission source release height – 5 meters (16.4 feet). • Emissions generated from the Project's CalEEMod model. See Appendix A attachment. • Offsite construction vehicles height: 11 meters (10.2 feet) and plume height 6.2 meters (20.4 feet) (EPA Haul Roads Calculator) • Construction operations: 5 days per week, 8 hours per day.

Emission Source Type	Geometric Configuration	Relevant Assumptions

Construction Diesel Vehicle Traffic	Line Area Source	• Line source: height – 3.11 meters (10.2 feet) and plume height 6.2 meters (20.4 feet) (EPA Haul Roads Calculator);
		• Construction Travel Routes:
		  • Project site center *to/from* Loc 12 Driveway *to/from* I-215. (75%)
		  • Project site center *to/from* Loc 8 Driveway *to/from* SR-91.
		• All heavy-duty trucks (LHDT1&2, MHDT, and HHDT) assumed to be diesel-engines.
		• Emission factor: ARB EMFAC 2021; DPM (as PM_{10} exhaust) emission factors at 5 mph for 2027 for the Riverside County – South Coast; no credit for future emission factor reductions.
		• Construction operations: 5 days per week, 8 hours per day.

Operational On-Site Diesel Truck Idling	Point Sources distributed along loading docks	• Stack release height: 3.66 meters (12 feet).
		• Idle time: 15 minutes per truck per day.
		• TRUs assumed to operate for 4 hours at the loading docks
		  • Assumed that 20% of all heavy-duty trucks operate with a TRU in accordance with the assumption that 20% of the building floor space is devoted to cold storage
		  • DPM emission rate: 0.2 grams/hp-hr based on OFFROAD2021.
		• Vehicle type: heavy-duty diesel haul trucks.
		• Emission factor: ARB EMFAC 2021 for Riverside County – South Coast.
		• Operations: 24 hours, 7 days a week.

Operational On-Site Vehicle Traffic	Line Area Source	• Stack release height: 3.11 meters (10.2 feet) with a plume height of 6.2 meters (20.4 feet) (EPA Haul Roads Calculator)
		• Emission factor: ARB EMFAC 2021; DPM (as PM_{10} exhaust) emission factors at 5 mph for heavy-duty diesel trucks in 2027 for the Riverside County – South Coast; no credit for future emission factors
		• Vehicle type: all heavy-duty trucks.
		• Vehicle type: all heavy-duty trucks.
		• Assumed that 20% of all heavy duty trucks operate with a TRU in accordance with the assumption that 20% of the building floor space is devoted to cold storage. DPM emission rate: 0.2 grams/hp-hr based on OFFROAD2021.
		• On-Site Truck Routes:
		  • On-Site 1: West (Loc 10) *to/from* Building 1. (17.5%)
		  • On-Site 2: West (Loc 10) *to/from* Building 2. (17.5%)
		  • On-Site 3: Northeast (NE) (Loc 8) *to/from* Building 1. (12.5%)
		  • On-Site 4: NE (Loc 8) *to/from* Building 2. (12.5%)
		  • On-Site 5: Southeast (SE) (Loc 12) *to/from* Building 1. (20%)
		  • On-Site 6: SE (Loc 12) *to/from* Building 2. (20%)

Emission Source Type	Geometric Configuration	Relevant Assumptions

Operational Off-Site Vehicle Traffic	Line Area Sources	• Stack release height: 3.11 meters (10.2 feet) with a plume height of 6.2 meters (20.4 feet) (EPA Haul Roads Calculator).
		• Emission factor: ARB EMFAC 2021; DPM (as PM_{10} exhaust) emission factors at 25 mph for heavy-duty diesel trucks in 2027 for the Riverside County – South Coast; no credit for future emission factors
		• Vehicle type: all heavy-duty trucks.
		• Assumed that 20% of all heavy duty trucks operate with a TRU in accordance with the assumption that 20% of the building floor space is devoted to cold storage. DPM emission rate: 0.2 grams/hp-hr based on OFFROAD2021.
		• Off-Site Truck Routes:
		  • Off-Site 1: Project Site's West (Loc 10) *to/from* Kansas Avenue *to/from* Massachusetts Avenue *to/from* Chicago Avenue *to/from* 3rd Street *to/from* I-215. (75%)
		  • Off-Site 2: Project Site's NE (Loc 8) *to/from* Roberta Street *to/from* Spruce Street *to/from* SR-91. (25%)
		• Operations: 24 hours, 7 days a week.

Emergency Generator	Point Source	• 238 horsepower (hp). • 73% load factor. • Emissions based on a 200-hour year usage as max allowed usage as per SCAQMD Rule 1110.2. • DPM emission rate: 0.15 g/hp-hr from the CalEEMod model.
Fire Pump	Point Source	• 238 horsepower (hp). • 73% load factor. • Emissions based on a 50-hour/year usage for maintenance and testing as per SCAQMD Rule 1470. • DPM emission rate: 0.15 g/hp-hr from the CalEEMod model.

Source: See Data Attachment in Appendix B.1-B.2.

2.6 Receptors

The SCAQMD defines a sensitive receptor as any residence, including private homes, condominiums, apartments, and living quarters, schools, preschools, daycare centers, and health facilities such as hospitals or retirement and nursing homes. A sensitive receptor includes long-term care hospitals, hospices, prisons, and dormitories, or similar live-in housing. For the purpose of this HRA, sensitive receptors were placed within the air dispersion model at the locations of the closest existing residences and other establishments or residences nearest to the Project site that qualify as sensitive receptors. Receptor points were placed on existing residences, schools, healthcare facilities along the Project's travel routes, as well as the closest worker receptors to the Project's boundary. In addition, a uniform nested grid network of receptors was placed over the Project site to complete the receptor network. These receptors were used to evaluate the health risk during the Project's construction and operation, including on-site source emissions and along the off-site Project routes. The closest receptors to the Project site and the Project's on-site and off-site travel links approximate the maximum DPM emissions from the construction and operation of the Project and thus yield the highest cancer risk values. The closest sensitive receptors to the Project site include a short-term housing shelter located at 2801 Hulen Place approximately 67.3 meters (221 feet) east of the Project's site, and a

single-family residence located at 1953 Spruce Street, approximately 212 meters (694 feet) northeast of the Project site. However, the nearest sensitive receptor site (2801 Hulen Place) was determined to house individuals for a maximum of 90 days. This maximum stay of 90 days would result in a temporary and marginal exposure to the Project's construction and operational DPM emissions to any one at this receptor, in comparison to the nearest residential receptor's (1953 Spruce Street) exposure to construction DPM emissions spanning a period of 1.21 years and the operational lifetime exposure of 30 years. Thus, the Project's DPM emissions would not result in a greater health risk impact to the nearest sensitive receptor at 2801 Hulen Place, would not than any one residential receptor

While the nearest residential receptor is the single-family residence located at 1953 Spruce Street, approximately 212 meters northeast of the Project site, the most impacted residential sensitive receptor was found to be a residence located at the northwest corner of Massachusetts Avenue and Chicago Avenue, approximately 574.5 meters (1,885 feet) east of the Project site. This result of higher concentrations at a farther receptor can occur if factors like plume rise, wind direction, atmospheric stability, terrain, or area source shape cause the pollutant to disperse and settle more effectively downwind, than at a receptor nearer to the site. The nearest worker receptor is located 40 feet away, at a commercial building west of the Project boundary line. Figure 5 shows the receptor locations included for both the construction and operational health risk estimation. Figure 6, *Locations of Impacted Receptors,* presents the impacted-receptor locations, including the nearest sensitive receptor, nearest work receptor, and the residential receptors, including the maximally impacted receptor.

Figure 5: Locations of Air Dispersion Model Receptors

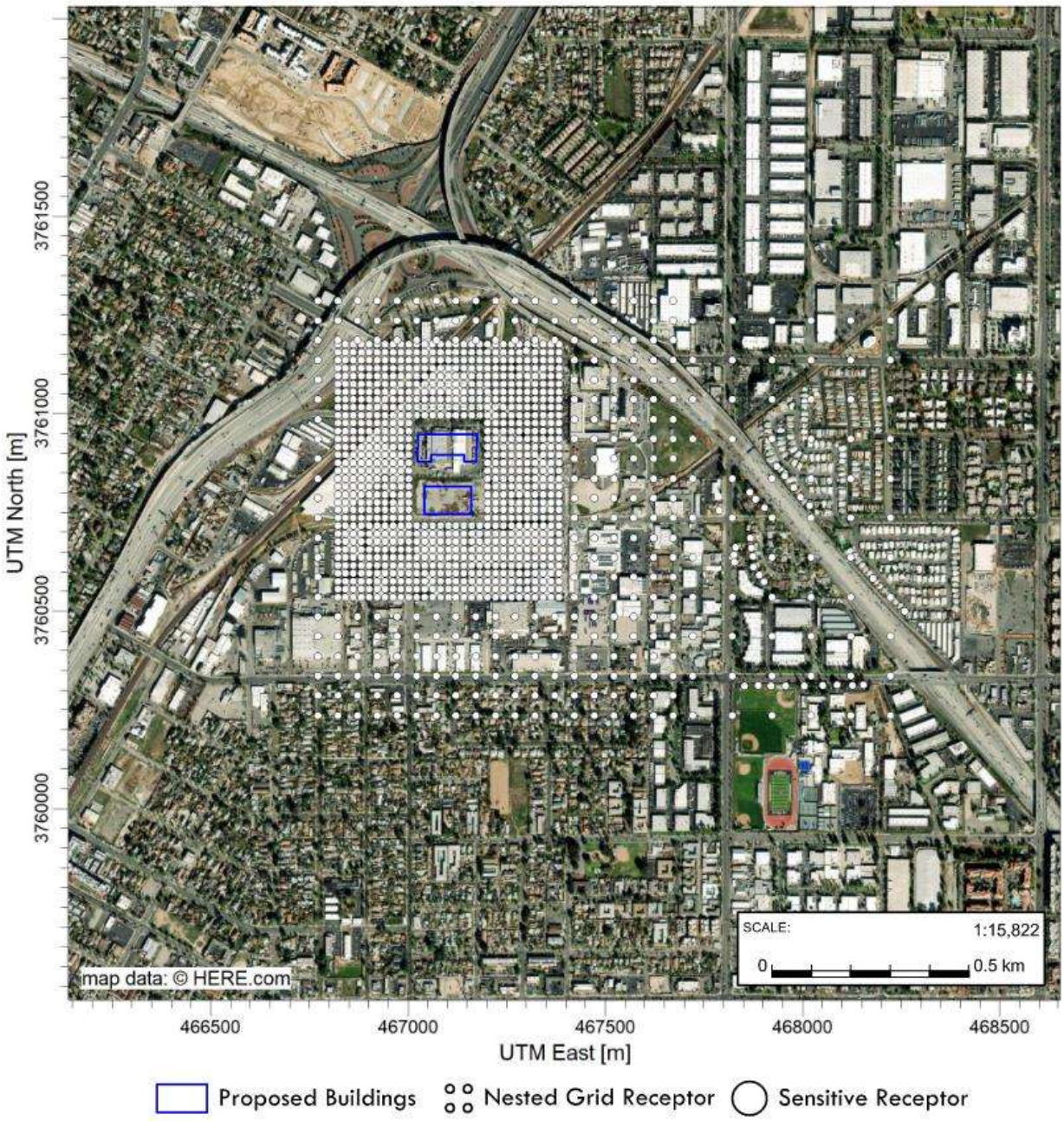


Figure 6: Locations of Impacted Receptors

3 RESULTS OF THE HEALTH RISK ASSESSMENT

3.1 Project-Level Risk Results

Tables 12, 13, and 14 present a summary of the cancer risks resulting from the Project's construction, operation, and combined DPM emissions, respectively, along with the SCAQMD health risk significance thresholds. As shown in Tables 12 and 13, the estimated maximum cancer risks for construction and operation are 0.63 and 5.59 in one million, respectively, for sensitive/residential receptors. The estimated maximum cancer risks for worker receptors during construction and operation are 0.58 and 4.04 in one million, respectively. In addition, the Project's maximum estimated construction and operational results for non-cancer health risk are 0.04 and 0.01 (for the maximum impacted worker receptor), respectively, below the significance threshold of 1.0.

Table 14 presents the combined construction and operational cancer risk for the Project. The Project would result in a maximum cancer risk impact of 3.82 in one million at the nearest sensitive/residential receptor and a maximum cancer risk impact of 3.81 in one million for the nearest worker receptor. Neither the construction nor operational maximum cancer risk, or the combined construction and operational cancer risk impacts, would exceed the SCAQMD cancer health risk significance threshold of 10 in one million. Therefore, the Project would have a less-than-significant impact related to both cancer and non-cancer health risks. Figure 6 and Figure 7, *Construction Model Output* and *Operational Model Output,* respectively, display the total emission contour output for the Project's construction and operational models.

Table 12: Summary of Proposed Project Construction Health Risk

Receptor[1]	Cancer Risk (per million)		Exceeds Significance Threshold?
	Maximum Lifetime Proposed Project Risk	Significance Threshold	
Maximum Impacted Sensitive Receptor Prebirth to 1.21 years	0.63	10	No
Maximum Impacted Sensitive Receptor Prebirth to 1.21 years	0.63	10	No
Maximum Impacted Sensitive Receptor Adult (1.21 years)	0.01	10	No
Maximum Impacted Worker Receptor (1.21 years)	0.58	10	No
Receptor	**Chronic Non-Cancer Hazard Index**		**Exceeds Significance Threshold?**
	Maximum Lifetime Proposed Project Risk	**Significance Threshold**	
Maximum Impacted Sensitive Receptor	<0.01	1.0	No
Maximum Impacted Worker Receptor	0.04	1.0	No

Note:
(1) The maximum impacted sensitive receptor is located at an existing residences 574 meters east of the Project
The maximum impacted worker receptor is located in the industrial areas 10 meters to the east of the Project
Source: See Data Attachment in Appendix D.1

Table 13: Summary of Proposed Project Operational Health Risk

Receptor	Cancer Risk (per million)		Exceeds Significance Threshold?
	Maximum Lifetime Proposed Project Risk	Significance Threshold	
Maximum Impacted Sensitive Receptor Prebirth to 30 years	5.59	10	No
Maximum Impacted Sensitive Receptor Prebirth to 9 years	3.97	10	No
Maximum Impacted Sensitive Receptor Adult (30 years)	0.71	10	No
Maximum Impacted Worker Receptor (30 years)	4.04	10	No
Receptor	**Chronic Non-Cancer Hazard Index**		**Exceeds Significance Threshold?**
	Maximum Lifetime Proposed Project Risk	**Significance Threshold**	
Maximum Impacted Sensitive Receptor	<0.01	1.0	No
Maximum Impacted Worker Receptor	0.01	1.0	No

Note:
(1) The maximum **impacted** receptor is located at existing residences 574 meters east of the Project
The maximum impacted worker receptor is located in the industrial areas 10 meters to the east of the Project
Source: See Data Attachment in Appendix D.2

Table 14: Summary of Combined Project Construction and Operational Health Risk

Receptor(1)	Cancer Risk (per million)		Exceeds Significance Threshold?
	Maximum Lifetime Proposed Project Risk	Significance Threshold	
Maximum Impacted Sensitive Receptor Prebirth to 30 years	3.82	10	No
Maximum Impacted Worker Receptor (25 years)	3.81	10	No

Note:
(1)The maximum impacted receptor is located at existing residences 574 meters east of the Project
The maximum impacted worker receptor is located in the industrial areas 10 meters to the east of the Project

Figure 7: Construction Model Output

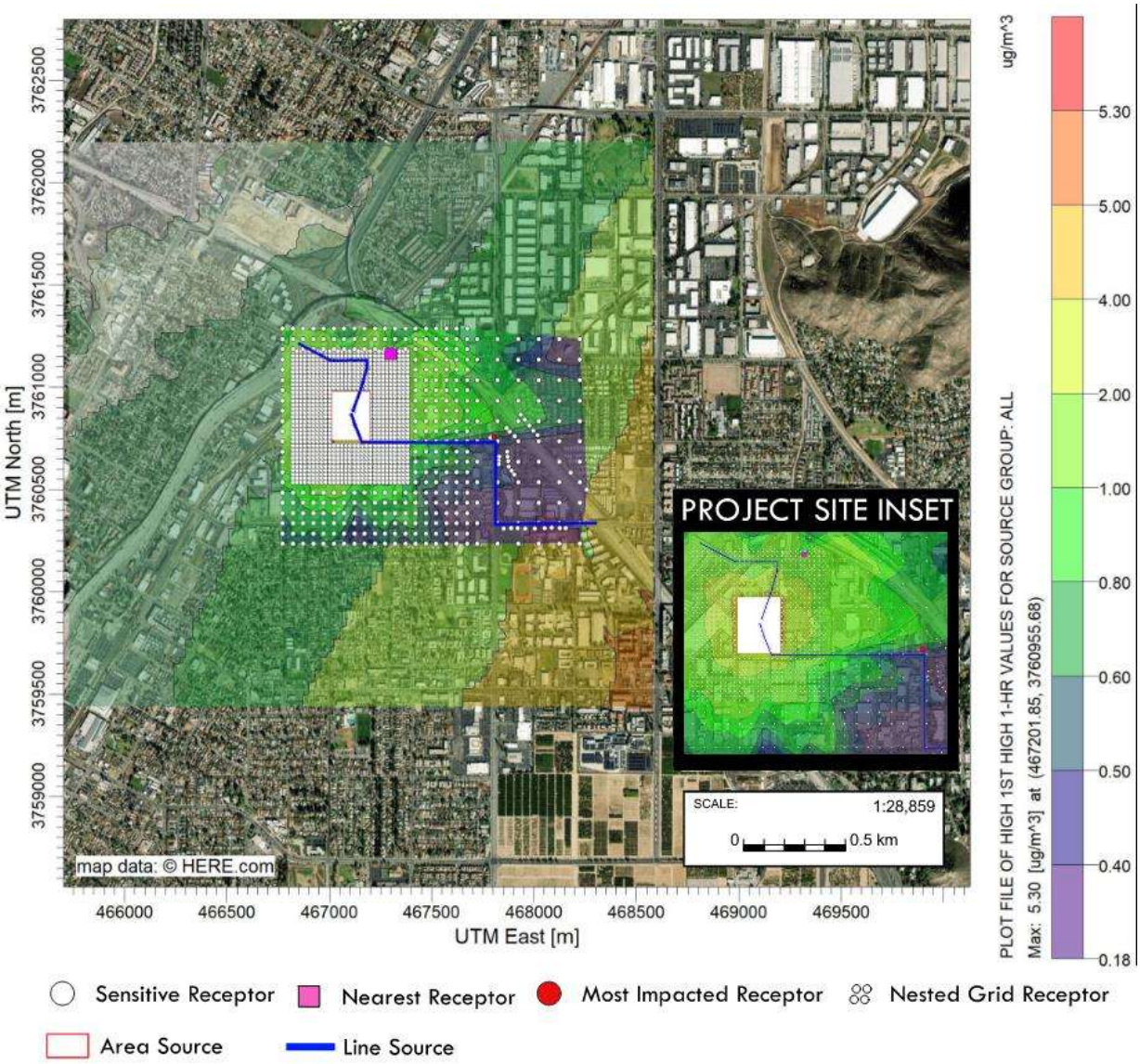
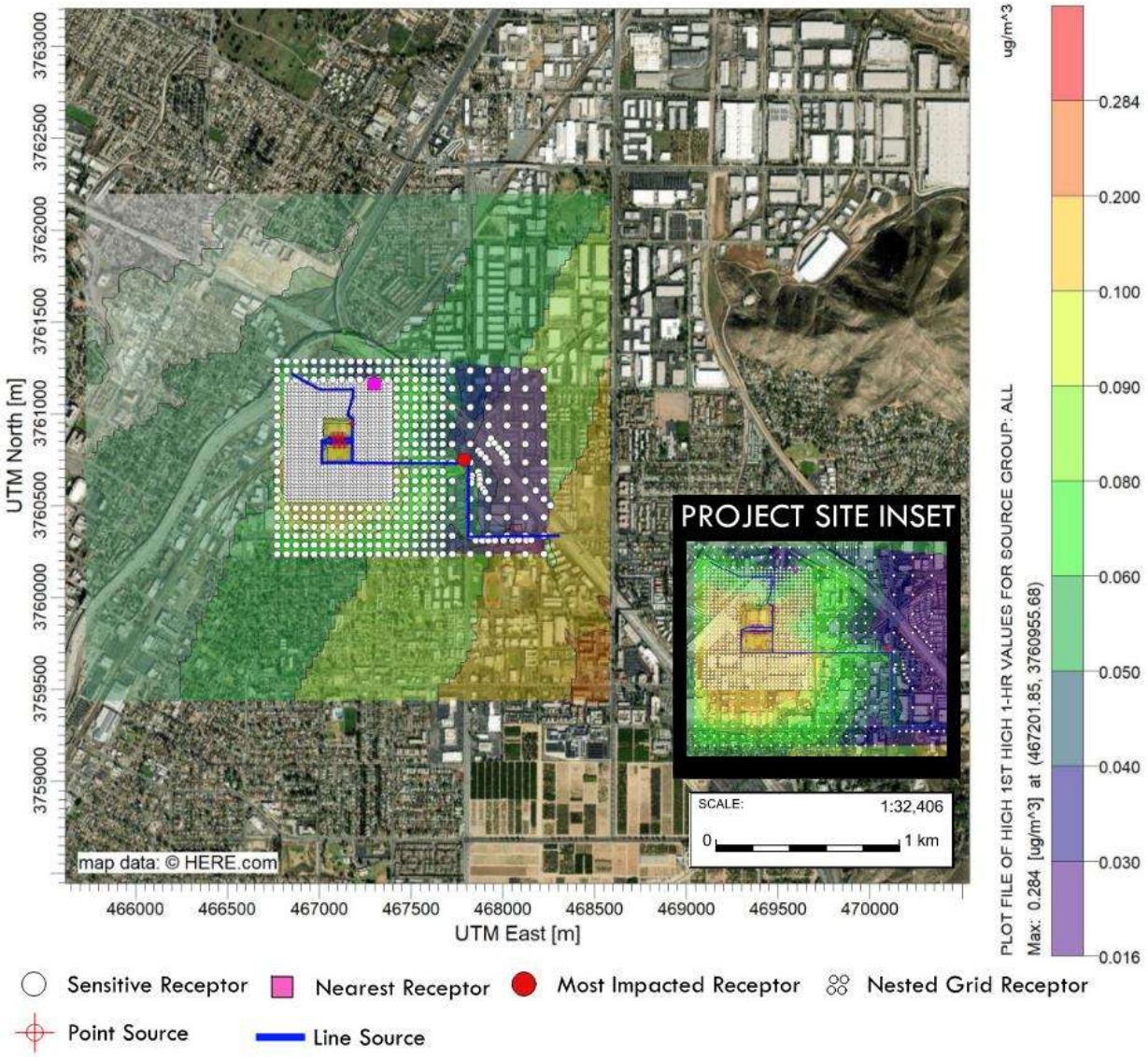


Figure 8: Operational Model Output



3.2 Cumulative Analysis

As discussed in Section 2.1, *SCAQMD Significance Thresholds*, the SCAQMD has applied a 1,000-foot distance from a proposed project to identify other development projects that could contribute to cumulative impacts with the proposed project. The search radius for this Project was extended to 0.25 miles (1,320 feet) to identify potential cumulative sources. There are two potentially concurrent projects within 0.25 miles of the Project, both located near 2610 Durahart Street. These projects include: 1) an outdoor storage facility, inclusive of a 4,000 square-foot office building and a 2,000 square-foot workshop; and 2) an outdoor storage yard consisting of 52 truck trailer stalls.

The Traffic Impact Analysis for this Project[17] prepared a trip generation for proposed development projects within a 2-mile radius of the Project site. The two projects described above are estimated to result in a daily trip generation of 53 passenger vehicle and trucks and 49 passenger vehicle and trucks, respectively. These two projects were estimated to not generate over 100 truck trips per day. Pursuant to CARB's guidance[18], a cumulative health risk assessment would not be required for projects under this threshold. In addition, as described in Section 2.1, *SCAQMD Significance Thresholds,* project-specific thresholds were established at levels intended to reduce cumulative health risk impacts. Therefore, project-specific thresholds are the same as cumulative thresholds. Since the Project would not exceed project-level thresholds, and there are no projects within the 0.25-mile buffer that warrant a cumulative analysis, the Project would also have a less-than-significant cumulative impact to cancer and non-cancer risks.

[17] EPD Solutions, Inc. 2025. *Massachusetts Point Traffic Impact Analysis*.

[18] California Air Resources Board. 2005. *Table 1-1: Recommendations on Siting New Sensitive Land Uses Such As Residences, Schools, Daycare Centers, Playgrounds, or Medical Facilities*. Air Quality and Land Use Handbook: A Community Health Perspective. Referenced February 2025, from https://www.aqmd.gov/docs/default-source/ceqa/handbook/california-air-resources-board-air-quality-and-land-use-handbook-a-community-health-perspective.pdf

4 CONCLUSION

The emissions from the Project's construction, operation, and combined construction and operation would not result in cancer health risks that exceed the lifetime cancer risk threshold of 10 in one million at the maximum impacted sensitive receptor. The Project's emissions for construction and operational impacts would also not result in a non-cancer risk greater than the 1.0 non-cancer HI threshold. The Project's maximum construction, operational, and combined health risk results are summarized below.

Maximum Project Construction Health Risk Results:

- Sensitive/residential receptor for the 30-year lifetime exposure duration: 0.54 in one million
- Worker receptor: 0.58 in one million
- Sensitive receptor chronic non-cancer HI: <0.01
- Worker receptor chronic non-cancer HI: 0.04

Maximum Project Operational Health Risk Results:

- Sensitive/residential receptor for the 30-year lifetime exposure duration: 5.59 in one million
- Worker receptor: 4.04 in one million
- Sensitive receptor chronic non-cancer HI: <0.01
- Worker receptor chronic non-cancer HI: 0.01

Combined Project Construction and Operational Cancer Risk Results:

- Sensitive/residential receptor for the 30-year exposure duration: 3.82 in one million
- Worker receptor: 3.81 in one million

The Project's individual construction and operational, and combined construction and operational health risk results would not exceed the SCAQMD significance threshold of 10 in one million, nor would it exceed the HI threshold of 1.0. Therefore, the construction and operation of the proposed Project would result in a less-than-significant project-level and cumulative-level impact for cancer and non-cancer health risk.

APPENDIX A – CALEEMOD OUTPUT FOR PROJECT CONSTRUCTION AND OPERATION

24-113 Massachusetts Riverside PM10E Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	24-113 Massachusetts Riverside PM10E
Construction Start Date	1/1/2026
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.20
Precipitation (days)	14.2
Location	33.98719479573735, -117.35639090186527
County	Riverside-South Coast
City	Riverside
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5400
EDFZ	11
Electric Utility	City of Riverside
Gas Utility	Southern California Gas
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
General Heavy Industry	160	1000sqft	4.88	159,880	52,534	—	—	—

Parking Lot	261	Space	2.35	0.00	0.00	—	—	—
Other Asphalt Surfaces	2.07	Acre	2.07	0.00	0.00	—	—	—
User Defined Industrial	200	User Defined Unit	0.00	0.00	0.00	—	—	—
Refrigerated Warehouse-No Rail	40.0	1000sqft	0.92	39,970	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Unmit.	1.53	12.1	20.4	0.03	0.42	1.80	0.73	4,848
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Unmit.	54.7	44.9	32.2	0.18	1.79	24.1	5.40	25,739
Average Daily (Max)	—	—	—	—	—	—	—	—
Unmit.	5.32	12.8	15.2	0.04	0.47	2.93	1.02	4,991
Annual (Max)	—	—	—	—	—	—	—	—
Unmit.	0.97	2.33	2.78	0.01	0.09	0.53	0.19	826
Exceeds (Daily Max)	—	—	—	—	—	—	—	—
Threshold	75.0	100	550	150	—	150	55.0	—
Unmit.	No	No	No	No	—	No	No	—

Exceeds (Average Daily)	—	—	—	—	—	—	—	—
Threshold	75.0	100	550	150	—	150	55.0	—
Unmit.	No	No	No	No	—	No	No	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—
2026	1.53	12.1	20.4	0.03	0.42	1.80	0.73	4,848
Daily - Winter (Max)	—	—	—	—	—	—	—	—
2026	3.91	44.9	32.2	0.18	1.79	24.1	5.40	25,739
2027	54.7	11.6	18.6	0.03	0.38	1.76	0.68	4,709
Average Daily	—	—	—	—	—	—	—	—
2026	1.36	12.8	15.2	0.04	0.47	2.93	1.02	4,991
2027	5.32	0.52	0.85	< 0.005	0.02	0.05	0.03	141
Annual	—	—	—	—	—	—	—	—
2026	0.25	2.33	2.78	0.01	0.09	0.53	0.19	826
2027	0.97	0.09	0.16	< 0.005	< 0.005	0.01	< 0.005	23.3

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Unmit.	11.3	51.1	233	0.33	0.87	17.2	5.09	45,947
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Unmit.	9.70	52.3	218	0.32	0.86	17.1	5.08	45,239

Average Daily (Max)	—	—	—	—	—	—	—	—
Unmit.	9.65	44.7	172	0.32	0.72	16.9	4.91	43,735
Annual (Max)	—	—	—	—	—	—	—	—
Unmit.	1.76	8.16	31.3	0.06	0.13	3.08	0.90	7,241
Exceeds (Daily Max)	—	—	—	—	—	—	—	—
Threshold	55.0	55.0	550	150	—	150	55.0	—
Unmit.	No	No	No	No	—	No	No	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—
Threshold	55.0	55.0	550	150	—	150	55.0	—
Unmit.	No	No	No	No	—	No	No	—
Exceeds (Annual)	—	—	—	—	—	—	—	—
Threshold	—	—	—	—	—	—	—	3,000
Unmit.	—	—	—	—	—	—	—	Yes

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Mobile	3.35	26.9	42.1	0.30	0.46	16.8	4.69	33,325
Area	6.24	0.07	8.69	< 0.005	0.02	0.02	0.01	35.9
Energy	0.12	2.13	1.79	0.01	0.16	0.16	0.16	5,560
Water	—	—	—	—	—	—	—	765
Waste	—	—	—	—	—	—	—	445
Refrig.	—	—	—	—	—	—	—	1,107
Off-Road	0.00	17.7	176	0.00	0.00	0.00	0.00	3,907

Stationary	1.56	4.37	3.98	0.01	0.23	0.23	0.23	802
Total	11.3	51.1	233	0.33	0.87	17.2	5.09	45,947
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Mobile	3.21	28.1	35.9	0.30	0.46	16.8	4.69	32,653
Area	4.81	—	—	—	—	—	—	—
Energy	0.12	2.13	1.79	0.01	0.16	0.16	0.16	5,560
Water	—	—	—	—	—	—	—	765
Waste	—	—	—	—	—	—	—	445
Refrig.	—	—	—	—	—	—	—	1,107
Off-Road	0.00	17.7	176	0.00	0.00	0.00	0.00	3,907
Stationary	1.56	4.37	3.98	0.01	0.23	0.23	0.23	802
Total	9.70	52.3	218	0.32	0.86	17.1	5.08	45,239
Average Daily	—	—	—	—	—	—	—	—
Mobile	3.20	28.5	37.0	0.30	0.46	16.6	4.66	32,776
Area	5.79	0.05	5.95	< 0.005	0.01	0.01	0.01	24.6
Energy	0.12	2.13	1.79	0.01	0.16	0.16	0.16	5,560
Water	—	—	—	—	—	—	—	765
Waste	—	—	—	—	—	—	—	445
Refrig.	—	—	—	—	—	—	—	1,107
Off-Road	0.00	12.6	126	0.00	0.00	0.00	0.00	2,783
Stationary	0.53	1.50	1.36	< 0.005	0.08	0.08	0.08	275
Total	9.65	44.7	172	0.32	0.72	16.9	4.91	43,735
Annual	—	—	—	—	—	—	—	—
Mobile	0.58	5.20	6.74	0.05	0.08	3.03	0.85	5,426
Area	1.06	0.01	1.09	< 0.005	< 0.005	< 0.005	< 0.005	4.07
Energy	0.02	0.39	0.33	< 0.005	0.03	0.03	0.03	921
Water	—	—	—	—	—	—	—	127
Waste	—	—	—	—	—	—	—	73.6

Refrig.	—	—	—	—	—	—	—	183
Off-Road	0.00	2.30	22.9	0.00	0.00	0.00	0.00	461
Stationary	0.10	0.27	0.25	< 0.005	0.01	0.01	0.01	45.5
Total	1.76	8.16	31.3	0.06	0.13	3.08	0.90	7,241

3. Construction Emissions Details

3.1. Demolition (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.29	20.7	19.0	0.03	0.84	0.84	0.78	3,438
Demolition	—	—	—	—	—	17.1	2.58	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.13	1.04	< 0.005	0.05	0.05	0.04	188
Demolition	—	—	—	—	—	0.93	0.14	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.21	0.19	< 0.005	0.01	0.01	0.01	31.2
Demolition	—	—	—	—	—	0.17	0.03	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.06	0.07	0.82	0.00	0.00	0.20	0.05	193
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.32	24.2	5.79	0.14	0.41	6.05	1.99	22,108
Average Daily	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.00	0.01	< 0.005	10.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.33	0.31	0.01	0.02	0.33	0.11	1,212
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	1.77
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.24	0.06	< 0.005	< 0.005	0.06	0.02	201

3.3. Site Preparation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.83	34.6	31.0	0.05	1.77	1.77	1.62	5,551
Dust From Material Movement	—	—	—	—	—	5.66	2.69	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.95	0.85	< 0.005	0.05	0.05	0.04	152

Dust From Material Movement	—	—	—	—	—	0.16	0.07	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.17	0.16	< 0.005	0.01	0.01	0.01	25.2
Dust From Material Movement	—	—	—	—	—	0.03	0.01	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.07	0.08	0.95	0.00	0.00	0.23	0.05	225
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	1.20	0.21	0.01	0.02	0.34	0.11	1,234
Average Daily	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	< 0.005	6.24
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	< 0.005	33.8
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	1.03
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	5.60

3.5. Grading (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.39	30.0	28.7	0.06	1.38	1.38	1.27	6,738
Dust From Material Movement	—	—	—	—	—	2.67	0.98	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	2.46	2.36	0.01	0.11	0.11	0.10	554
Dust From Material Movement	—	—	—	—	—	0.22	0.08	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.45	0.43	< 0.005	0.02	0.02	0.02	91.7
Dust From Material Movement	—	—	—	—	—	0.04	0.01	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.08	0.09	1.09	0.00	0.00	0.26	0.06	257
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.04	2.93	0.70	0.02	0.05	0.73	0.24	2,677
Average Daily	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.02	< 0.005	21.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.24	0.06	< 0.005	< 0.005	0.06	0.02	220

Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	3.54
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	< 0.005	36.5

3.7. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.16	10.7	14.1	0.03	0.41	0.41	0.38	2,639
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.16	10.7	14.1	0.03	0.41	0.41	0.38	2,639
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	5.81	7.65	0.01	0.22	0.22	0.20	1,436
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	1.06	1.40	< 0.005	0.04	0.04	0.04	238
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.36	0.33	6.03	0.00	0.00	1.10	0.26	1,175

Vendor	0.02	1.05	0.33	0.01	0.01	0.29	0.09	1,035
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.33	0.37	4.57	0.00	0.00	1.10	0.26	1,077
Vendor	0.02	1.10	0.34	0.01	0.01	0.29	0.09	1,033
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	0.18	0.22	2.60	0.00	0.00	0.59	0.14	594
Vendor	0.01	0.60	0.18	< 0.005	0.01	0.16	0.05	562
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.03	0.04	0.47	0.00	0.00	0.11	0.03	98.4
Vendor	< 0.005	0.11	0.03	< 0.005	< 0.005	0.03	0.01	93.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.11	10.2	14.0	0.03	0.36	0.36	0.34	2,639
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.03	< 0.005	< 0.005	< 0.005	< 0.005	5.16
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	0.85
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.32	0.33	4.21	0.00	0.00	1.10	0.26	1,057
Vendor	0.02	1.06	0.33	0.01	0.01	0.29	0.09	1,013
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	2.10
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	1.98
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.35
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.33
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Paving (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	6.94	9.95	0.01	0.30	0.30	0.27	1,516

Paving	0.58	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.38	0.55	< 0.005	0.02	0.02	0.02	83.1
Paving	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.07	0.10	< 0.005	< 0.005	< 0.005	< 0.005	13.8
Paving	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.75	0.00	0.00	0.20	0.05	189
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	< 0.005	10.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	1.74
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Architectural Coating (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	1.11	1.50	< 0.005	0.03	0.03	0.02	179
Architectural Coatings	54.5	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.11	0.14	< 0.005	< 0.005	< 0.005	< 0.005	17.1
Architectural Coatings	5.22	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.03	< 0.005	< 0.005	< 0.005	< 0.005	2.84
Architectural Coatings	0.95	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.06	0.07	0.84	0.00	0.00	0.22	0.05	211
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—

Worker	0.01	0.01	0.08	0.00	0.00	0.02	< 0.005	20.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	3.40
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
General Heavy Industry	2.01	1.24	26.8	0.06	0.03	6.19	1.58	6,285
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.78	25.0	8.79	0.23	0.43	8.98	2.70	25,218
Refrigerated Warehouse-No Rail	0.56	0.66	6.44	0.02	0.01	1.58	0.41	1,823
Total	3.35	26.9	42.1	0.30	0.46	16.8	4.69	33,325
Daily, Winter (Max)	—	—	—	—	—	—	—	—
General Heavy Industry	1.93	1.37	21.8	0.06	0.03	6.19	1.58	5,793
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.76	26.1	8.81	0.23	0.43	8.98	2.70	25,152
Refrigerated Warehouse-No Rail	0.53	0.71	5.28	0.02	0.01	1.58	0.41	1,708
Total	3.21	28.1	35.9	0.30	0.46	16.8	4.69	32,653
Annual	—	—	—	—	—	—	—	—
General Heavy Industry	0.35	0.26	4.14	0.01	< 0.005	1.12	0.29	972
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.14	4.80	1.60	0.04	0.08	1.63	0.49	4,169
Refrigerated Warehouse-No Rail	0.10	0.13	1.00	< 0.005	< 0.005	0.29	0.07	286
Total	0.58	5.20	6.74	0.05	0.08	3.03	0.85	5,426

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
General Heavy Industry	—	—	—	—	—	—	—	1,849
Parking Lot	—	—	—	—	—	—	—	108
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00

User Defined Industrial	—	—	—	—	—	—	—	0.00
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,056
Total	—	—	—	—	—	—	—	3,013
Daily, Winter (Max)	—	—	—	—	—	—	—	—
General Heavy Industry	—	—	—	—	—	—	—	1,849
Parking Lot	—	—	—	—	—	—	—	108
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	0.00
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,056
Total	—	—	—	—	—	—	—	3,013
Annual	—	—	—	—	—	—	—	—
General Heavy Industry	—	—	—	—	—	—	—	306
Parking Lot	—	—	—	—	—	—	—	17.9
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	0.00
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	175
Total	—	—	—	—	—	—	—	499

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—
General Heavy Industry	0.10	1.84	1.55	0.01	0.14	0.14	0.14	2,207
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Refrigerated Warehouse-No Rail	0.02	0.28	0.24	< 0.005	0.02	0.02	0.02	340
Total	0.12	2.13	1.79	0.01	0.16	0.16	0.16	2,547
Daily, Winter (Max)	—	—	—	—	—	—	—	—
General Heavy Industry	0.10	1.84	1.55	0.01	0.14	0.14	0.14	2,207
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Refrigerated Warehouse-No Rail	0.02	0.28	0.24	< 0.005	0.02	0.02	0.02	340
Total	0.12	2.13	1.79	0.01	0.16	0.16	0.16	2,547
Annual	—	—	—	—	—	—	—	—
General Heavy Industry	0.02	0.34	0.28	< 0.005	0.03	0.03	0.03	365
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Refrigerated Warehouse-No Rail	< 0.005	0.05	0.04	< 0.005	< 0.005	< 0.005	< 0.005	56.3

Total	0.02	0.39	0.33	< 0.005	0.03	0.03	0.03	422

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Consumer Products	4.29	—	—	—	—	—	—	—
Architectural Coatings	0.52	—	—	—	—	—	—	—
Landscape Equipment	1.43	0.07	8.69	< 0.005	0.02	0.02	0.01	35.9
Total	6.24	0.07	8.69	< 0.005	0.02	0.02	0.01	35.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Consumer Products	4.29	—	—	—	—	—	—	—
Architectural Coatings	0.52	—	—	—	—	—	—	—
Total	4.81	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Consumer Products	0.78	—	—	—	—	—	—	—
Architectural Coatings	0.10	—	—	—	—	—	—	—
Landscape Equipment	0.18	0.01	1.09	< 0.005	< 0.005	< 0.005	< 0.005	4.07
Total	1.06	0.01	1.09	< 0.005	< 0.005	< 0.005	< 0.005	4.07

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
General Heavy Industry	—	—	—	—	—	—	—	613
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	0.00
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	152
Total	—	—	—	—	—	—	—	765
Daily, Winter (Max)	—	—	—	—	—	—	—	—
General Heavy Industry	—	—	—	—	—	—	—	613
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	0.00
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	152
Total	—	—	—	—	—	—	—	765
Annual	—	—	—	—	—	—	—	—
General Heavy Industry	—	—	—	—	—	—	—	102
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	0.00

Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	25.2
Total	—	—	—	—	—	—	—	127

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
General Heavy Industry	—	—	—	—	—	—	—	374
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	0.00
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	70.8
Total	—	—	—	—	—	—	—	445
Daily, Winter (Max)	—	—	—	—	—	—	—	—
General Heavy Industry	—	—	—	—	—	—	—	374
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	0.00
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	70.8
Total	—	—	—	—	—	—	—	445

Annual	—	—	—	—	—	—	—	—
General Heavy Industry	—	—	—	—	—	—	—	61.9
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	0.00
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	11.7
Total	—	—	—	—	—	—	—	73.6

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
General Heavy Industry	—	—	—	—	—	—	—	41.6
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,065
Total	—	—	—	—	—	—	—	1,107
Daily, Winter (Max)	—	—	—	—	—	—	—	—
General Heavy Industry	—	—	—	—	—	—	—	41.6
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,065
Total	—	—	—	—	—	—	—	1,107
Annual	—	—	—	—	—	—	—	—

General Heavy Industry	—	—	—	—	—	—	—	6.89
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	176
Total	—	—	—	—	—	—	—	183

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Forklifts	0.00	17.7	176	0.00	0.00	0.00	0.00	3,907
Total	0.00	17.7	176	0.00	0.00	0.00	0.00	3,907
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Forklifts	0.00	17.7	176	0.00	0.00	0.00	0.00	3,907
Total	0.00	17.7	176	0.00	0.00	0.00	0.00	3,907
Annual	—	—	—	—	—	—	—	—
Forklifts	0.00	2.30	22.9	0.00	0.00	0.00	0.00	461
Total	0.00	2.30	22.9	0.00	0.00	0.00	0.00	461

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Fire Pump	0.78	2.18	1.99	< 0.005	0.11	0.11	0.11	401

Emergency Generator	0.78	2.18	1.99	< 0.005	0.11	0.11	0.11	401
Total	1.56	4.37	3.98	0.01	0.23	0.23	0.23	802
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Fire Pump	0.78	2.18	1.99	< 0.005	0.11	0.11	0.11	401
Emergency Generator	0.78	2.18	1.99	< 0.005	0.11	0.11	0.11	401
Total	1.56	4.37	3.98	0.01	0.23	0.23	0.23	802
Annual	—	—	—	—	—	—	—	—
Fire Pump	0.02	0.05	0.05	< 0.005	< 0.005	< 0.005	< 0.005	9.09
Emergency Generator	0.08	0.22	0.20	< 0.005	0.01	0.01	0.01	36.4
Total	0.10	0.27	0.25	< 0.005	0.01	0.01	0.01	45.5

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	1/1/2026	1/29/2026	5.00	20.0	—
Site Preparation	Site Preparation	1/30/2026	2/13/2026	5.00	10.0	—
Grading	Grading	2/14/2026	3/28/2026	5.00	30.0	—

Building Construction	Building Construction	3/29/2026	1/1/2027	5.00	200	—
Paving	Paving	1/4/2027	1/29/2027	5.00	20.0	—
Architectural Coating	Architectural Coating	2/1/2027	3/19/2027	5.00	35.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Back hoes	Diesel	Average	0.00	8.00	84.0	0.37
Site Preparation	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Back hoes	Diesel	Average	0.00	8.00	84.0	0.37
Grading	Crawler Tractors	Diesel	Average	2.00	8.00	87.0	0.43
Building Construction	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Back hoes	Diesel	Average	3.00	8.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42

Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	311	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	6.30	56.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	37.7	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	83.9	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	32.8	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT

Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	16.8	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	299,775	99,925	11,552

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	24,902	—
Site Preparation	—	500	35.0	0.00	—
Grading	9,043	—	120	0.00	—

Paving	0.00	0.00	0.00	0.00	4.42

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
General Heavy Industry	0.00	0%
Parking Lot	2.35	100%
Other Asphalt Surfaces	2.07	100%
User Defined Industrial	0.00	0%
Refrigerated Warehouse-No Rail	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	449	0.03	< 0.005
2027	0.00	439	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
General Heavy Industry	505	505	505	184,406	8,860	8,860	8,860	3,233,938

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	342	342	342	124,736	9,778	9,778	9,778	3,568,847
Refrigerated Warehouse-No Rail	126	126	126	46,101	2,215	2,215	2,215	808,485

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	299,775	99,925	11,552

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
General Heavy Industry	1,529,903	439	0.0330	0.0040	6,866,898

Parking Lot	89,673	439	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	439	0.0330	0.0040	0.00
User Defined Industrial	0.00	439	0.0330	0.0040	0.00
Refrigerated Warehouse-No Rail	874,126	439	0.0330	0.0040	1,057,648

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
General Heavy Industry	36,972,250	832,964
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00
Refrigerated Warehouse-No Rail	9,243,063	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
General Heavy Industry	198	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—
User Defined Industrial	0.00	—
Refrigerated Warehouse-No Rail	37.6	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Heavy Industry	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0
Refrigerated Warehouse-No Rail	Cold storage	R-404A	3,922	7.50	7.50	7.50	25.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	CNG	Average	20.0	8.00	82.0	0.20

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Fire Pump	Diesel	2.00	1.00	50.0	238	0.73
Emergency Generator	Diesel	2.00	1.00	200	238	0.73

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	26.3	annual days of extreme heat
Extreme Precipitation	2.65	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	1.71	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	1	1	3
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A

Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	97.0
AQ-PM	90.3
AQ-DPM	97.5
Drinking Water	77.4
Lead Risk Housing	95.3
Pesticides	3.83
Toxic Releases	56.0
Traffic	79.4
Effect Indicators	—
CleanUp Sites	83.2
Groundwater	82.4
Haz Waste Facilities/Generators	84.0
Impaired Water Bodies	0.00
Solid Waste	9.67

Sensitive Population	—
Asthma	69.6
Cardio-vascular	78.1
Low Birth Weights	96.0
Socioeconomic Factor Indicators	—
Education	93.6
Housing	74.0
Linguistic	83.1
Poverty	91.3
Unemployment	98.5

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	10.90722443
Employed	14.1537277
Median HI	15.37277044
Education	—
Bachelor's or higher	0.179648402
High school enrollment	20.74939048
Preschool enrollment	5.62042859
Transportation	—
Auto Access	16.36083665
Active commuting	75.55498524
Social	—
2-parent households	53.0347748
Voting	0.282304632

Neighborhood	—
Alcohol availability	13.07583729
Park access	49.63428718
Retail density	69.44693956
Supermarket access	57.08969588
Tree canopy	18.51661748
Housing	—
Homeownership	28.76940844
Housing habitability	29.78313871
Low-inc homeowner severe housing cost burden	99.12742205
Low-inc renter severe housing cost burden	48.36391634
Uncrowded housing	8.982420121
Health Outcomes	—
Insured adults	7.712049275
Arthritis	40.2
Asthma ER Admissions	29.2
High Blood Pressure	34.2
Cancer (excluding skin)	87.6
Asthma	7.7
Coronary Heart Disease	25.9
Chronic Obstructive Pulmonary Disease	16.6
Diagnosed Diabetes	13.8
Life Expectancy at Birth	33.8
Cognitively Disabled	38.1
Physically Disabled	67.1
Heart Attack ER Admissions	36.0
Mental Health Not Good	5.6
Chronic Kidney Disease	10.6

Obesity	4.4
Pedestrian Injuries	97.3
Physical Health Not Good	6.6
Stroke	22.5
Health Risk Behaviors	—
Binge Drinking	63.5
Current Smoker	6.0
No Leisure Time for Physical Activity	4.5
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	64.0
Elderly	93.3
English Speaking	18.4
Foreign-born	81.3
Outdoor Workers	7.2
Climate Change Adaptive Capacity	—
Impervious Surface Cover	51.6
Traffic Density	83.8
Traffic Access	68.6
Other Indices	—
Hardship	94.9
Other Decision Support	—
2016 Voting	3.9

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	99.0

Healthy Places Index Score for Project Location (b)	4.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Adjusted lot acreage to match site plan provided by client.
Construction: Off-Road Equipment	Assumed all construction will be utilized 8 hours per work day. Replaced Tractors/Loaders/Backhoes with Crawler Tractors in the Site Preparation and Grading Phases.
Operations: Vehicle Data	Adjusted trip rate to match ITE 11th edition trip rate for General Light Industrial auto and Warehouse trips. Truck trips were applied to the User Defined Industrial land use, with 2 axle trucks applied to Non Res H-W (15.3 mi length and 34.5029 percentage), 3 axle trucks applied to Non Res W-O (14.2 mi and 11.1111%), and 4+ axle trucks applied to Non Res O-O (40 mi and 54.3860%).
Operations: Fleet Mix	Updated vehicle splits to match the operational trip generation
Construction: Construction Phases	Extended architectural coating phase due to size of building facade. Building construction phase shortened to adhere to ~14 month construction schedule provided by client
Operations: Off-Road Equipment	Forklifts were changed from diesel to CNG.
Operations: Emergency Generators and Fire Pumps	Adjusted

Construction: Trips and VMT	Increased default trip length of 20.0 miles to 56 miles for hauling trip length during the site preparation phase to represent the distance to the Soil Safe landfill for contaminated soil in Adelanto, approximately 56 miles from the Project site (by roadway).

APPENDIX B.1 – AERMOD CONSTRUCTION MODEL OUTPUT

```
** Lakes Environmental AERMOD MPI
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 13.0.0
** Lakes Environmental Software Inc.
** Date: 2/5/2025
** File: C:\temp\Alex-EPDS\MassAve\Mass_Const\Mass_Const.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE Massachusetts Avenue
   TITLETWO Period Average DPM Project Construction
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 2492442
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL Mass_const.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ---------------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = OFFSITE1
** DESCRSRC Offsite1: Project (Loc 12>I215
** PREFIX
** Length of Side = 13.32
** Ratio = 10
** Vertical Dimension = 2.89
** Emission Rate = 1.1929E-09
** Nodes = 7
** 467108.689, 3760866.020, 271.91, 3.11
** 467125.247, 3760815.264, 272.53, 3.11
** 467158.833, 3760730.935, 274.00, 3.11
** 467695.477, 3760730.243, 280.41, 3.11
** 467811.871, 3760731.848, 283.87, 3.11
** 467811.160, 3760330.726, 286.94, 3.11
** 468301.829, 3760335.972, 292.00, 3.11
```

```
** ----------------------------------------------------------------------
   LOCATION A0000023     AREA     467102.359 3760863.955 271.86
   LOCATION A0000024     AREA     467119.062 3760812.800 272.41
   LOCATION A0000025     AREA     467158.824 3760724.278 274.00
   LOCATION A0000026     AREA     467266.153 3760724.139 274.22
   LOCATION A0000027     AREA     467373.482 3760724.001 276.07
   LOCATION A0000028     AREA     467480.811 3760723.863 276.43
   LOCATION A0000029     AREA     467588.140 3760723.724 278.09
   LOCATION A0000030     AREA     467695.569 3760723.586 280.48
   LOCATION A0000031     AREA     467805.214 3760731.860 283.86
   LOCATION A0000032     AREA     467805.036 3760631.579 281.34
   LOCATION A0000033     AREA     467804.858 3760531.299 283.51
   LOCATION A0000034     AREA     467804.680 3760431.019 285.88
   LOCATION A0000035     AREA     467811.231 3760324.069 287.00
   LOCATION A0000036     AREA     467933.898 3760325.381 289.00
   LOCATION A0000037     AREA     468056.565 3760326.692 290.71
   LOCATION A0000038     AREA     468179.233 3760328.004 289.29
** End of LINE AREA Source ID = OFFSITE1
** ----------------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = OFFSITE2
** DESCRSRC Offsite 2: Project>Roberto St>Spruce St>SR91
** PREFIX
** Length of Side = 13.32
** Ratio = 10
** Vertical Dimension = 2.89
** Emission Rate = 3.9775E-10
** Nodes = 6
** 467115.440, 3760885.505, 271.95, 3.11
** 467154.337, 3760992.961, 271.50, 3.11
** 467183.319, 3761094.399, 271.00, 3.11
** 467184.330, 3761132.144, 270.00, 3.11
** 467005.044, 3761131.470, 268.94, 3.11
** 466852.045, 3761212.350, 267.65, 3.11
** ----------------------------------------------------------------------
   LOCATION A0000016     AREA     467121.700 3760883.239 272.00
   LOCATION A0000017     AREA     467160.738 3760991.132 271.76
   LOCATION A0000018     AREA     467189.974 3761094.221 270.75
   LOCATION A0000019     AREA     467184.305 3761138.801 270.00
   LOCATION A0000020     AREA     467094.662 3761138.464 269.64
   LOCATION A0000021     AREA     467008.156 3761137.355 269.00
   LOCATION A0000022     AREA     466931.656 3761177.796 268.00
** End of LINE AREA Source ID = OFFSITE2
   LOCATION CONST_AREA   AREA       467011.800  3760735.940      271.920
** DESCRSRC Construction Area Source
** Source Parameters **
** LINE AREA Source ID = OFFSITE1
   SRCPARAM A0000023     1.1929E-09     3.109    53.389    13.315
71.932     2.892
   SRCPARAM A0000024     1.1929E-09     3.109    90.771    13.315
68.284     2.892
   SRCPARAM A0000025     1.1929E-09     3.109   107.329    13.315
0.074     2.892
```

```
   SRCPARAM A0000026     1.1929E-09     3.109   107.329    13.315
0.074     2.892
   SRCPARAM A0000027     1.1929E-09     3.109   107.329    13.315
0.074     2.892
   SRCPARAM A0000028     1.1929E-09     3.109   107.329    13.315
0.074     2.892
   SRCPARAM A0000029     1.1929E-09     3.109   107.329    13.315
0.074     2.892
   SRCPARAM A0000030     1.1929E-09     3.109   116.405    13.315    -
0.790     2.892
   SRCPARAM A0000031     1.1929E-09     3.109   100.281    13.315
90.102     2.892
   SRCPARAM A0000032     1.1929E-09     3.109   100.281    13.315
90.102     2.892
   SRCPARAM A0000033     1.1929E-09     3.109   100.281    13.315
90.102     2.892
   SRCPARAM A0000034     1.1929E-09     3.109   100.281    13.315
90.102     2.892
   SRCPARAM A0000035     1.1929E-09     3.109   122.674    13.315    -
0.613     2.892
   SRCPARAM A0000036     1.1929E-09     3.109   122.674    13.315    -
0.613     2.892
   SRCPARAM A0000037     1.1929E-09     3.109   122.674    13.315    -
0.613     2.892
   SRCPARAM A0000038     1.1929E-09     3.109   122.674    13.315    -
0.613     2.892
** ----------------------------------------------------------------------
** LINE AREA Source ID = OFFSITE2
   SRCPARAM A0000016     3.9775E-10     3.109   114.280    13.315   -
70.101     2.892
   SRCPARAM A0000017     3.9775E-10     3.109   105.497    13.315   -
74.055     2.892
   SRCPARAM A0000018     3.9775E-10     3.109    37.758    13.315   -
88.466     2.892
   SRCPARAM A0000019     3.9775E-10     3.109    89.643    13.315
179.785     2.892
   SRCPARAM A0000020     3.9775E-10     3.109    89.643    13.315
179.785     2.892
   SRCPARAM A0000021     3.9775E-10     3.109    86.531    13.315  -
152.138     2.892
   SRCPARAM A0000022     3.9775E-10     3.109    86.531    13.315  -
152.138     2.892
** ----------------------------------------------------------------------
   SRCPARAM CONST_AREA    1.82E-07     1.524   185.850   244.600
0.000
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
   EMISFACT A0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT A0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
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EMISFACT A0000024     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000024     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT A0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000025     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000025     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT A0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT A0000026     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000026     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT A0000027     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT A0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT A0000030     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT A0000033     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT A0000034     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT A0000034     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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```

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   EMISFACT A0000038     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000038     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT A0000038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT A0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT A0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT A0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT A0000034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT A0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT A0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT A0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000016     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT A0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000017     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT A0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000018     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT A0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000019     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT A0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000020     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT A0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT A0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

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   EMISFACT A0000022     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT A0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT A0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT A0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT A0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT CONST_AREA   HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST_AREA   HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT CONST_AREA   HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT CONST_AREA   HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT CONST_AREA   HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST_AREA   HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST_AREA   HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST_AREA   HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT CONST_AREA   HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST_AREA   HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST_AREA   HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST_AREA   HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED Mass_Const.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE ..\kral_sfc_pfl\KRAL_V11_trimmed.sfc
   PROFFILE ..\kral_sfc_pfl\KRAL_V11_trimmed.PFL
   SURFDATA 3171 2019
   UAIRDATA 3190 2019
   PROFBASE 256.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
```

```
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST MASS_CONST.AD\01H1GALL.PLT 31
   PLOTFILE PERIOD ALL MASS_CONST.AD\PE00GALL.PLT 32
   SUMMFILE Mass_const.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

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

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


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


    ********   WARNING MESSAGES   ********
 ME W186     452       MEOPEN: THRESH_1MIN 1-min ASOS wind speed
threshold used           0.50
 ME W187     452       MEOPEN: ADJ_U* Option for Stable Low Winds used in
AERMET

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

```
 *** AERMOD - VERSION 24142  ***   *** Massachusetts Avenue
***        02/05/25
 *** AERMET - VERSION  22112 ***   *** Period Average DPM Project
Construction                              ***        11:49:04

PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 ** Model Options Selected:
      * Model Uses Regulatory DEFAULT Options
      * Model Is Setup For Calculation of Average CONCentration Values.
      * NO GAS DEPOSITION Data Provided.
      * NO PARTICLE DEPOSITION Data Provided.
      * Model Uses NO DRY DEPLETION. DDPLETE  =  F
      * Model Uses NO WET DEPLETION. WETDPLT  =  F
      * Stack-tip Downwash.
      * Model Accounts for ELEVated Terrain Effects.
      * Use Calms Processing Routine.
      * Use Missing Data Processing Routine.
      * No Exponential Decay.
      * Model Uses URBAN Dispersion Algorithm for the SBL for    24
Source(s),
        for Total of    1 Urban Area(s):
   Urban Population =   2492442.0 ;  Urban Roughness Length =  1.000 m
      * Urban Roughness Length of 1.0 Meter Used.
      * ADJ_U*   - Use ADJ_U* option for SBL in AERMET
      * CCVR_Sub - Meteorological data includes CCVR substitutions
      * TEMP_Sub - Meteorological data includes TEMP substitutions
      * Model Assumes No FLAGPOLE Receptor Heights.
      * The User Specified a Pollutant Type of: DPM

 **Model Calculates  1 Short Term Average(s) of:   1-HR
     and Calculates PERIOD Averages

 **This Run Includes:     24 Source(s);       1 Source Group(s); and
1198 Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:      0 VOLUME source(s)
                 and:     24 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with a total of     0
line(s)
                 and:      0 SWPOINT source(s)
```

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

 **The AERMET Input Meteorological Data Version Date:  22112

 **Output Options Selected:
          Model Outputs Tables of PERIOD Averages by Receptor
          Model Outputs Tables of Highest Short Term Values by Receptor
(RECTABLE Keyword)
          Model Outputs External File(s) of High Values for Plotting
(PLOTFILE Keyword)
          Model Outputs Separate Summary File of High Ranked Values
(SUMMFILE Keyword)

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

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   256.00 ;
Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC
;  Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.7 MB of RAM.

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

 **Detailed Error/Message File:   Mass_const.err
 **File for Summary of Results:   Mass_const.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** AREA SOURCE DATA
***

SOURCE ID	NUMBER OF AREA CATS.	EMISSION RATE PART. (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY BY	AIRCRAFT
A0000023	0	0.11929E-08	467102.4	3760864.0	271.9	3.11	53.39	13.32	71.93	2.89	YES	HRDOW	NO
A0000024	0	0.11929E-08	467119.1	3760812.8	272.4	3.11	90.77	13.32	68.28	2.89	YES	HRDOW	NO
A0000025	0	0.11929E-08	467158.8	3760724.3	274.0	3.11	107.33	13.32	0.07	2.89	YES	HRDOW	NO
A0000026	0	0.11929E-08	467266.2	3760724.1	274.2	3.11	107.33	13.32	0.07	2.89	YES	HRDOW	NO
A0000027	0	0.11929E-08	467373.5	3760724.0	276.1	3.11	107.33	13.32	0.07	2.89	YES	HRDOW	NO
A0000028	0	0.11929E-08	467480.8	3760723.9	276.4	3.11	107.33	13.32	0.07	2.89	YES	HRDOW	NO
A0000029	0	0.11929E-08	467588.1	3760723.7	278.1	3.11	107.33	13.32	0.07	2.89	YES	HRDOW	NO
A0000030	0	0.11929E-08	467695.6	3760723.6	280.5	3.11	116.41	13.32	-0.79	2.89	YES	HRDOW	NO
A0000031	0	0.11929E-08	467805.2	3760731.9	283.9	3.11	100.28	13.32	90.10	2.89	YES	HRDOW	NO
A0000032	0	0.11929E-08	467805.0	3760631.6	281.3	3.11	100.28	13.32	90.10	2.89	YES	HRDOW	NO
A0000033	0	0.11929E-08	467804.9	3760531.3	283.5	3.11	100.28	13.32	90.10	2.89	YES	HRDOW	NO
A0000034	0	0.11929E-08	467804.7	3760431.0	285.9	3.11	100.28	13.32	90.10	2.89	YES	HRDOW	NO
A0000035	0	0.11929E-08	467811.2	3760324.1	287.0	3.11	122.67	13.32	-0.61	2.89	YES	HRDOW	NO
A0000036	0	0.11929E-08	467933.9	3760325.4	289.0	3.11	122.67	13.32	-0.61	2.89	YES	HRDOW	NO
A0000037	0	0.11929E-08	468056.6	3760326.7	290.7	3.11	122.67	13.32	-0.61	2.89	YES	HRDOW	NO
A0000038	0	0.11929E-08	468179.2	3760328.0	289.3	3.11	122.67	13.32	-0.61	2.89	YES	HRDOW	NO

```
 A0000016         0   0.39775E-09  467121.7 3760883.2   272.0     3.11
114.28     13.32    -70.10     2.89     YES   HRDOW            NO
 A0000017         0   0.39775E-09  467160.7 3760991.1   271.8     3.11
105.50     13.32    -74.05     2.89     YES   HRDOW            NO
 A0000018         0   0.39775E-09  467190.0 3761094.2   270.8     3.11
37.76     13.32    -88.47     2.89     YES   HRDOW            NO
 A0000019         0   0.39775E-09  467184.3 3761138.8   270.0     3.11
89.64     13.32    179.78     2.89     YES   HRDOW            NO
 A0000020         0   0.39775E-09  467094.7 3761138.5   269.6     3.11
89.64     13.32    179.78     2.89     YES   HRDOW            NO
 A0000021         0   0.39775E-09  467008.2 3761137.4   269.0     3.11
86.53     13.32   -152.14     2.89     YES   HRDOW            NO
 A0000022         0   0.39775E-09  466931.7 3761177.8   268.0     3.11
86.53     13.32   -152.14     2.89     YES   HRDOW            NO
 CONST_AREA       0   0.18200E-06  467011.8 3760735.9   271.9     1.52
185.85    244.60      0.00     0.00     YES   HRDOW            NO
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , A0000029 , A0000030 ,
	A0000031 , A0000032 , A0000033 , A0000034 , A0000035 , A0000036 , A0000037 , A0000038 ,
	A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 , A0000022 , CONST_AREA ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs
	2492442.	A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , A0000029 , A0000030 ,
		A0000031 , A0000032 , A0000033 , A0000034 , A0000035 , A0000036 , A0000037 , A0000038 ,
		A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 , A0000022 , CONST_AREA ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = A0000023 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = A0000024 ; SOURCE TYPE = AREA :

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = A0000025 ; SOURCE TYPE = AREA :

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = A0000026 ; SOURCE TYPE = AREA :

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = A0000027 ; SOURCE TYPE = AREA :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = A0000028 ; SOURCE TYPE = AREA :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = A0000029 ; SOURCE TYPE = AREA :

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = A0000030 ; SOURCE TYPE = AREA :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = A0000031 ; SOURCE TYPE = AREA :

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = A0000032 ; SOURCE TYPE = AREA :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = A0000033 ; SOURCE TYPE = AREA :

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = A0000034 ; SOURCE TYPE = AREA :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = A0000035 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -

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

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

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = A0000036 ; SOURCE TYPE = AREA :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = A0000037 ; SOURCE TYPE = AREA :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = A0000038 ; SOURCE TYPE = AREA :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = A0000016 ; SOURCE TYPE = AREA :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = A0000017 ; SOURCE TYPE = AREA :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = A0000018 ; SOURCE TYPE = AREA :

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = A0000019 ; SOURCE TYPE = AREA :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = A0000020 ; SOURCE TYPE = AREA :

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = A0000021 ; SOURCE TYPE = AREA :

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = A0000022 ; SOURCE TYPE = AREA :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = CONST_AREA ; SOURCE TYPE = AREA :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

```
     ( 466821.8, 3760535.7,     272.0,     272.0,       0.0);         (
466841.8, 3760535.7,     272.0,     272.0,       0.0);
     ( 466861.8, 3760535.7,     272.0,     272.0,       0.0);         (
466881.8, 3760535.7,     272.0,     272.0,       0.0);
     ( 466901.8, 3760535.7,     272.0,     272.0,       0.0);         (
466921.8, 3760535.7,     272.3,     272.3,       0.0);
     ( 466941.8, 3760535.7,     272.6,     272.6,       0.0);         (
466961.8, 3760535.7,     273.0,     273.0,       0.0);
     ( 466981.8, 3760535.7,     273.0,     273.0,       0.0);         (
467001.8, 3760535.7,     273.4,     273.4,       0.0);
     ( 467021.8, 3760535.7,     274.0,     274.0,       0.0);         (
467041.8, 3760535.7,     274.0,     274.0,       0.0);
     ( 467061.8, 3760535.7,     274.2,     274.2,       0.0);         (
467081.8, 3760535.7,     274.4,     274.4,       0.0);
     ( 467101.8, 3760535.7,     274.8,     274.8,       0.0);         (
467121.8, 3760535.7,     275.2,     275.2,       0.0);
     ( 467141.8, 3760535.7,     275.4,     275.4,       0.0);         (
467161.8, 3760535.7,     275.8,     275.8,       0.0);
     ( 467181.8, 3760535.7,     276.2,     276.2,       0.0);         (
467201.8, 3760535.7,     276.4,     276.4,       0.0);
     ( 467221.8, 3760535.7,     276.8,     276.8,       0.0);         (
467241.8, 3760535.7,     277.0,     592.0,       0.0);
     ( 467261.8, 3760535.7,     277.1,     592.0,       0.0);         (
467281.8, 3760535.7,     277.8,     592.0,       0.0);
     ( 467301.8, 3760535.7,     278.0,     592.0,       0.0);         (
467321.8, 3760535.7,     278.1,     914.0,       0.0);
     ( 467341.8, 3760535.7,     278.8,     914.0,       0.0);         (
467361.8, 3760535.7,     279.0,     914.0,       0.0);
     ( 467381.8, 3760535.7,     279.0,     914.0,       0.0);         (
466821.8, 3760555.7,     271.8,     271.8,       0.0);
     ( 466841.8, 3760555.7,     272.0,     272.0,       0.0);         (
466861.8, 3760555.7,     272.0,     272.0,       0.0);
     ( 466881.8, 3760555.7,     272.0,     272.0,       0.0);         (
466901.8, 3760555.7,     272.0,     272.0,       0.0);
     ( 466921.8, 3760555.7,     272.0,     272.0,       0.0);         (
466941.8, 3760555.7,     272.4,     272.4,       0.0);
     ( 466961.8, 3760555.7,     273.0,     273.0,       0.0);         (
466981.8, 3760555.7,     273.0,     273.0,       0.0);
     ( 467001.8, 3760555.7,     273.3,     273.3,       0.0);         (
467021.8, 3760555.7,     273.7,     273.7,       0.0);
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(467041.8, 3760555.7, 273.9, 273.9, 0.0); (
467061.8, 3760555.7, 274.0, 274.0, 0.0);
(467081.8, 3760555.7, 274.1, 274.1, 0.0); (
467101.8, 3760555.7, 274.8, 274.8, 0.0);
(467121.8, 3760555.7, 275.0, 275.0, 0.0); (
467141.8, 3760555.7, 275.1, 275.1, 0.0);
(467161.8, 3760555.7, 275.8, 275.8, 0.0); (
467181.8, 3760555.7, 276.0, 276.0, 0.0);
(467201.8, 3760555.7, 276.1, 276.1, 0.0); (
467221.8, 3760555.7, 276.5, 592.0, 0.0);
(467241.8, 3760555.7, 276.8, 592.0, 0.0); (
467261.8, 3760555.7, 277.1, 592.0, 0.0);
(467281.8, 3760555.7, 277.5, 592.0, 0.0); (
467301.8, 3760555.7, 277.8, 592.0, 0.0);
(467321.8, 3760555.7, 278.1, 914.0, 0.0); (
467341.8, 3760555.7, 278.5, 914.0, 0.0);
(467361.8, 3760555.7, 278.8, 914.0, 0.0); (
467381.8, 3760555.7, 279.0, 914.0, 0.0);
(466821.8, 3760575.7, 271.4, 271.4, 0.0); (
466841.8, 3760575.7, 272.0, 272.0, 0.0);
(466861.8, 3760575.7, 272.0, 272.0, 0.0); (
466881.8, 3760575.7, 272.0, 272.0, 0.0);
(466901.8, 3760575.7, 272.0, 272.0, 0.0); (
466921.8, 3760575.7, 272.0, 272.0, 0.0);
(466941.8, 3760575.7, 272.4, 272.4, 0.0); (
466961.8, 3760575.7, 273.0, 273.0, 0.0);
(466981.8, 3760575.7, 273.0, 273.0, 0.0); (
467001.8, 3760575.7, 273.0, 273.0, 0.0);
(467021.8, 3760575.7, 273.1, 273.1, 0.0); (
467041.8, 3760575.7, 273.8, 273.8, 0.0);
(467061.8, 3760575.7, 274.0, 274.0, 0.0); (
467081.8, 3760575.7, 274.1, 274.1, 0.0);
(467101.8, 3760575.7, 274.8, 274.8, 0.0); (
467121.8, 3760575.7, 275.0, 275.0, 0.0);
(467141.8, 3760575.7, 275.1, 275.1, 0.0); (
467161.8, 3760575.7, 275.8, 275.8, 0.0);
(467181.8, 3760575.7, 276.0, 276.0, 0.0); (
467201.8, 3760575.7, 276.0, 276.0, 0.0);
(467221.8, 3760575.7, 276.0, 592.0, 0.0); (
467241.8, 3760575.7, 276.4, 592.0, 0.0);
(467261.8, 3760575.7, 277.0, 592.0, 0.0); (
467281.8, 3760575.7, 277.0, 592.0, 0.0);
(467301.8, 3760575.7, 277.4, 592.0, 0.0); (
467321.8, 3760575.7, 278.0, 592.0, 0.0);
(467341.8, 3760575.7, 278.0, 914.0, 0.0); (
467361.8, 3760575.7, 278.4, 914.0, 0.0);
(467381.8, 3760575.7, 279.0, 914.0, 0.0); (
466821.8, 3760595.7, 271.2, 271.2, 0.0);
(466841.8, 3760595.7, 271.4, 271.4, 0.0); (
466861.8, 3760595.7, 271.4, 271.4, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

```
     ( 466881.8, 3760595.7,     271.6,     271.6,       0.0);         (
466901.8, 3760595.7,     272.0,     272.0,       0.0);
     ( 466921.8, 3760595.7,     272.0,     272.0,       0.0);         (
466941.8, 3760595.7,     272.2,     272.2,       0.0);
     ( 466961.8, 3760595.7,     272.4,     272.4,       0.0);         (
466981.8, 3760595.7,     272.8,     272.8,       0.0);
     ( 467001.8, 3760595.7,     273.0,     273.0,       0.0);         (
467021.8, 3760595.7,     273.1,     273.1,       0.0);
     ( 467041.8, 3760595.7,     273.8,     273.8,       0.0);         (
467061.8, 3760595.7,     274.0,     274.0,       0.0);
     ( 467081.8, 3760595.7,     274.0,     274.0,       0.0);         (
467101.8, 3760595.7,     274.3,     274.3,       0.0);
     ( 467121.8, 3760595.7,     274.6,     274.6,       0.0);         (
467141.8, 3760595.7,     275.0,     275.0,       0.0);
     ( 467161.8, 3760595.7,     275.3,     275.3,       0.0);         (
467181.8, 3760595.7,     275.6,     275.6,       0.0);
     ( 467201.8, 3760595.7,     276.0,     276.0,       0.0);         (
467221.8, 3760595.7,     276.0,     592.0,       0.0);
     ( 467241.8, 3760595.7,     276.2,     592.0,       0.0);         (
467261.8, 3760595.7,     276.4,     592.0,       0.0);
     ( 467281.8, 3760595.7,     276.8,     592.0,       0.0);         (
467301.8, 3760595.7,     277.2,     592.0,       0.0);
     ( 467321.8, 3760595.7,     277.4,     592.0,       0.0);         (
467341.8, 3760595.7,     277.8,     914.0,       0.0);
     ( 467361.8, 3760595.7,     278.2,     914.0,       0.0);         (
467381.8, 3760595.7,     278.4,     914.0,       0.0);
     ( 466821.8, 3760615.7,     270.8,     270.8,       0.0);         (
466841.8, 3760615.7,     271.0,     271.0,       0.0);
     ( 466861.8, 3760615.7,     271.0,     271.0,       0.0);         (
466881.8, 3760615.7,     271.3,     271.3,       0.0);
     ( 466901.8, 3760615.7,     271.7,     271.7,       0.0);         (
466921.8, 3760615.7,     271.9,     271.9,       0.0);
     ( 466941.8, 3760615.7,     272.0,     272.0,       0.0);         (
466961.8, 3760615.7,     272.1,     272.1,       0.0);
     ( 466981.8, 3760615.7,     272.5,     272.5,       0.0);         (
467001.8, 3760615.7,     272.8,     272.8,       0.0);
     ( 467021.8, 3760615.7,     273.1,     273.1,       0.0);         (
467041.8, 3760615.7,     273.5,     273.5,       0.0);
     ( 467061.8, 3760615.7,     273.8,     273.8,       0.0);         (
467081.8, 3760615.7,     274.0,     274.0,       0.0);
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(467101.8, 3760615.7, 274.0, 274.0, 0.0); (
467121.8, 3760615.7, 274.4, 274.4, 0.0);
(467141.8, 3760615.7, 275.0, 275.0, 0.0); (
467161.8, 3760615.7, 275.0, 275.0, 0.0);
(467181.8, 3760615.7, 275.3, 275.3, 0.0); (
467201.8, 3760615.7, 275.7, 592.0, 0.0);
(467221.8, 3760615.7, 275.7, 592.0, 0.0); (
467241.8, 3760615.7, 275.8, 592.0, 0.0);
(467261.8, 3760615.7, 276.1, 592.0, 0.0); (
467281.8, 3760615.7, 276.5, 592.0, 0.0);
(467301.8, 3760615.7, 276.8, 592.0, 0.0); (
467321.8, 3760615.7, 277.1, 592.0, 0.0);
(467341.8, 3760615.7, 277.5, 914.0, 0.0); (
467361.8, 3760615.7, 277.8, 914.0, 0.0);
(467381.8, 3760615.7, 278.1, 914.0, 0.0); (
466821.8, 3760635.7, 270.4, 270.4, 0.0);
(466841.8, 3760635.7, 271.0, 271.0, 0.0); (
466861.8, 3760635.7, 271.0, 271.0, 0.0);
(466881.8, 3760635.7, 271.0, 271.0, 0.0); (
466901.8, 3760635.7, 271.1, 271.1, 0.0);
(466921.8, 3760635.7, 271.8, 271.8, 0.0); (
466941.8, 3760635.7, 272.0, 272.0, 0.0);
(466961.8, 3760635.7, 272.0, 272.0, 0.0); (
466981.8, 3760635.7, 272.0, 272.0, 0.0);
(467001.8, 3760635.7, 272.4, 272.4, 0.0); (
467021.8, 3760635.7, 273.0, 273.0, 0.0);
(467041.8, 3760635.7, 273.0, 273.0, 0.0); (
467061.8, 3760635.7, 273.4, 273.4, 0.0);
(467081.8, 3760635.7, 274.0, 274.0, 0.0); (
467101.8, 3760635.7, 274.0, 274.0, 0.0);
(467121.8, 3760635.7, 274.4, 274.4, 0.0); (
467141.8, 3760635.7, 275.0, 275.0, 0.0);
(467161.8, 3760635.7, 275.0, 275.0, 0.0); (
467181.8, 3760635.7, 275.0, 592.0, 0.0);
(467201.8, 3760635.7, 275.0, 592.0, 0.0); (
467221.8, 3760635.7, 275.0, 592.0, 0.0);
(467241.8, 3760635.7, 275.4, 592.0, 0.0); (
467261.8, 3760635.7, 276.0, 592.0, 0.0);
(467281.8, 3760635.7, 276.0, 592.0, 0.0); (
467301.8, 3760635.7, 276.4, 592.0, 0.0);
(467321.8, 3760635.7, 277.0, 592.0, 0.0); (
467341.8, 3760635.7, 277.0, 914.0, 0.0);
(467361.8, 3760635.7, 277.4, 914.0, 0.0); (
467381.8, 3760635.7, 278.0, 914.0, 0.0);
(466821.8, 3760655.7, 270.2, 270.2, 0.0); (
466841.8, 3760655.7, 270.4, 270.4, 0.0);
(466861.8, 3760655.7, 270.8, 270.8, 0.0); (
466881.8, 3760655.7, 271.0, 271.0, 0.0);
(466901.8, 3760655.7, 271.0, 271.0, 0.0); (
466921.8, 3760655.7, 271.3, 271.3, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(466941.8, 3760655.7, 271.6, 271.6, 0.0); (466961.8, 3760655.7, 272.0, 272.0, 0.0);
(466981.8, 3760655.7, 272.0, 272.0, 0.0); (467001.8, 3760655.7, 272.4, 272.4, 0.0);
(467021.8, 3760655.7, 273.0, 273.0, 0.0); (467041.8, 3760655.7, 273.0, 273.0, 0.0);
(467061.8, 3760655.7, 273.4, 273.4, 0.0); (467081.8, 3760655.7, 274.0, 274.0, 0.0);
(467101.8, 3760655.7, 274.0, 274.0, 0.0); (467121.8, 3760655.7, 274.4, 274.4, 0.0);
(467141.8, 3760655.7, 275.0, 275.0, 0.0); (467161.8, 3760655.7, 275.0, 275.0, 0.0);
(467181.8, 3760655.7, 275.0, 592.0, 0.0); (467201.8, 3760655.7, 275.0, 592.0, 0.0);
(467221.8, 3760655.7, 275.0, 592.0, 0.0); (467241.8, 3760655.7, 275.2, 592.0, 0.0);
(467261.8, 3760655.7, 275.4, 592.0, 0.0); (467281.8, 3760655.7, 275.4, 592.0, 0.0);
(467301.8, 3760655.7, 275.8, 592.0, 0.0); (467321.8, 3760655.7, 276.4, 592.0, 0.0);
(467341.8, 3760655.7, 276.8, 592.0, 0.0); (467361.8, 3760655.7, 277.2, 914.0, 0.0);
(467381.8, 3760655.7, 277.4, 914.0, 0.0); (466821.8, 3760675.7, 270.0, 270.0, 0.0);
(466841.8, 3760675.7, 270.1, 270.1, 0.0); (466861.8, 3760675.7, 270.5, 270.5, 0.0);
(466881.8, 3760675.7, 270.8, 270.8, 0.0); (466901.8, 3760675.7, 271.0, 271.0, 0.0);
(466921.8, 3760675.7, 271.0, 271.0, 0.0); (466941.8, 3760675.7, 271.3, 271.3, 0.0);
(466961.8, 3760675.7, 271.7, 271.7, 0.0); (466981.8, 3760675.7, 271.9, 271.9, 0.0);
(467001.8, 3760675.7, 272.3, 272.3, 0.0); (467021.8, 3760675.7, 272.7, 272.7, 0.0);
(467041.8, 3760675.7, 272.9, 272.9, 0.0); (467061.8, 3760675.7, 273.4, 273.4, 0.0);
(467081.8, 3760675.7, 274.0, 274.0, 0.0); (467101.8, 3760675.7, 274.0, 274.0, 0.0);
(467121.8, 3760675.7, 274.3, 274.3, 0.0); (467141.8, 3760675.7, 274.7, 274.7, 0.0);

(467161.8, 3760675.7, 274.7, 274.7, 0.0); (
467181.8, 3760675.7, 274.7, 592.0, 0.0);
(467201.8, 3760675.7, 274.7, 592.0, 0.0); (
467221.8, 3760675.7, 274.7, 592.0, 0.0);
(467241.8, 3760675.7, 274.7, 592.0, 0.0); (
467261.8, 3760675.7, 274.7, 592.0, 0.0);
(467281.8, 3760675.7, 274.9, 592.0, 0.0); (
467301.8, 3760675.7, 275.4, 592.0, 0.0);
(467321.8, 3760675.7, 276.1, 592.0, 0.0); (
467341.8, 3760675.7, 276.5, 592.0, 0.0);
(467361.8, 3760675.7, 276.8, 914.0, 0.0); (
467381.8, 3760675.7, 277.0, 914.0, 0.0);
(466821.8, 3760695.7, 270.0, 270.0, 0.0); (
466841.8, 3760695.7, 270.0, 270.0, 0.0);
(466861.8, 3760695.7, 270.0, 270.0, 0.0); (
466881.8, 3760695.7, 270.4, 270.4, 0.0);
(466901.8, 3760695.7, 271.0, 271.0, 0.0); (
466921.8, 3760695.7, 271.0, 271.0, 0.0);
(466941.8, 3760695.7, 271.0, 271.0, 0.0); (
466961.8, 3760695.7, 271.1, 271.1, 0.0);
(466981.8, 3760695.7, 271.8, 271.8, 0.0); (
467001.8, 3760695.7, 272.0, 272.0, 0.0);
(467021.8, 3760695.7, 272.1, 272.1, 0.0); (
467041.8, 3760695.7, 272.8, 272.8, 0.0);
(467061.8, 3760695.7, 273.4, 273.4, 0.0); (
467081.8, 3760695.7, 274.0, 274.0, 0.0);
(467101.8, 3760695.7, 274.0, 274.0, 0.0); (
467121.8, 3760695.7, 274.0, 274.0, 0.0);
(467141.8, 3760695.7, 274.0, 274.0, 0.0); (
467161.8, 3760695.7, 274.0, 592.0, 0.0);
(467181.8, 3760695.7, 274.0, 592.0, 0.0); (
467201.8, 3760695.7, 274.0, 592.0, 0.0);
(467221.8, 3760695.7, 274.0, 592.0, 0.0); (
467241.8, 3760695.7, 274.0, 592.0, 0.0);
(467261.8, 3760695.7, 274.1, 592.0, 0.0); (
467281.8, 3760695.7, 274.8, 592.0, 0.0);
(467301.8, 3760695.7, 275.4, 592.0, 0.0); (
467321.8, 3760695.7, 276.0, 592.0, 0.0);
(467341.8, 3760695.7, 276.0, 592.0, 0.0); (
467361.8, 3760695.7, 276.4, 914.0, 0.0);
(467381.8, 3760695.7, 277.0, 914.0, 0.0); (
466821.8, 3760715.7, 269.6, 269.6, 0.0);
(466841.8, 3760715.7, 270.0, 270.0, 0.0); (
466861.8, 3760715.7, 270.0, 270.0, 0.0);
(466881.8, 3760715.7, 270.2, 270.2, 0.0); (
466901.8, 3760715.7, 270.4, 270.4, 0.0);
(466921.8, 3760715.7, 270.8, 270.8, 0.0); (
466941.8, 3760715.7, 271.0, 271.0, 0.0);
(466961.8, 3760715.7, 271.1, 271.1, 0.0); (
466981.8, 3760715.7, 271.8, 271.8, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

```
     ( 467001.8, 3760715.7,     272.0,     272.0,       0.0);         (
467021.8, 3760715.7,     272.0,     272.0,       0.0);
     ( 467041.8, 3760715.7,     272.3,     272.3,       0.0);         (
467061.8, 3760715.7,     272.8,     272.8,       0.0);
     ( 467081.8, 3760715.7,     273.4,     273.4,       0.0);         (
467101.8, 3760715.7,     273.8,     273.8,       0.0);
     ( 467121.8, 3760715.7,     274.0,     274.0,       0.0);         (
467141.8, 3760715.7,     274.0,     274.0,       0.0);
     ( 467161.8, 3760715.7,     274.0,     592.0,       0.0);         (
467181.8, 3760715.7,     274.0,     592.0,       0.0);
     ( 467201.8, 3760715.7,     274.0,     592.0,       0.0);         (
467221.8, 3760715.7,     274.0,     592.0,       0.0);
     ( 467241.8, 3760715.7,     274.0,     592.0,       0.0);         (
467261.8, 3760715.7,     274.1,     592.0,       0.0);
     ( 467281.8, 3760715.7,     274.8,     592.0,       0.0);         (
467301.8, 3760715.7,     275.2,     592.0,       0.0);
     ( 467321.8, 3760715.7,     275.4,     592.0,       0.0);         (
467341.8, 3760715.7,     275.8,     592.0,       0.0);
     ( 467361.8, 3760715.7,     276.2,     914.0,       0.0);         (
467381.8, 3760715.7,     276.4,     914.0,       0.0);
     ( 466821.8, 3760735.7,     269.3,     269.3,       0.0);         (
466841.8, 3760735.7,     269.7,     269.7,       0.0);
     ( 466861.8, 3760735.7,     269.9,     269.9,       0.0);         (
466881.8, 3760735.7,     270.0,     270.0,       0.0);
     ( 466901.8, 3760735.7,     270.1,     270.1,       0.0);         (
466921.8, 3760735.7,     270.8,     270.8,       0.0);
     ( 466941.8, 3760735.7,     271.0,     271.0,       0.0);         (
466961.8, 3760735.7,     271.1,     271.1,       0.0);
     ( 466981.8, 3760735.7,     271.5,     271.5,       0.0);         (
467001.8, 3760735.7,     271.8,     271.8,       0.0);
     ( 467201.8, 3760735.7,     274.0,     592.0,       0.0);         (
467221.8, 3760735.7,     274.0,     592.0,       0.0);
     ( 467241.8, 3760735.7,     274.0,     592.0,       0.0);         (
467261.8, 3760735.7,     274.1,     592.0,       0.0);
     ( 467281.8, 3760735.7,     274.8,     592.0,       0.0);         (
467301.8, 3760735.7,     275.0,     592.0,       0.0);
     ( 467321.8, 3760735.7,     275.1,     592.0,       0.0);         (
467341.8, 3760735.7,     275.8,     592.0,       0.0);
     ( 467361.8, 3760735.7,     275.9,     592.0,       0.0);         (
467381.8, 3760735.7,     275.7,     914.0,       0.0);
```

(466821.8, 3760755.7, 269.0, 269.0, 0.0); (
466841.8, 3760755.7, 269.1, 269.1, 0.0);
(466861.8, 3760755.7, 269.8, 269.8, 0.0); (
466881.8, 3760755.7, 270.0, 270.0, 0.0);
(466901.8, 3760755.7, 270.1, 270.1, 0.0); (
466921.8, 3760755.7, 270.8, 270.8, 0.0);
(466941.8, 3760755.7, 271.0, 271.0, 0.0); (
466961.8, 3760755.7, 271.0, 271.0, 0.0);
(466981.8, 3760755.7, 271.0, 271.0, 0.0); (
467001.8, 3760755.7, 271.4, 271.4, 0.0);
(467201.8, 3760755.7, 274.0, 592.0, 0.0); (
467221.8, 3760755.7, 274.0, 592.0, 0.0);
(467241.8, 3760755.7, 274.0, 592.0, 0.0); (
467261.8, 3760755.7, 274.1, 592.0, 0.0);
(467281.8, 3760755.7, 274.8, 592.0, 0.0); (
467301.8, 3760755.7, 275.0, 592.0, 0.0);
(467321.8, 3760755.7, 275.1, 592.0, 0.0); (
467341.8, 3760755.7, 275.8, 592.0, 0.0);
(467361.8, 3760755.7, 275.6, 592.0, 0.0); (
467381.8, 3760755.7, 275.0, 914.0, 0.0);
(466821.8, 3760775.7, 269.0, 269.0, 0.0); (
466841.8, 3760775.7, 269.0, 269.0, 0.0);
(466861.8, 3760775.7, 269.3, 269.3, 0.0); (
466881.8, 3760775.7, 269.6, 269.6, 0.0);
(466901.8, 3760775.7, 270.0, 270.0, 0.0); (
466921.8, 3760775.7, 270.3, 270.3, 0.0);
(466941.8, 3760775.7, 270.6, 270.6, 0.0); (
466961.8, 3760775.7, 271.0, 271.0, 0.0);
(466981.8, 3760775.7, 271.0, 271.0, 0.0); (
467001.8, 3760775.7, 271.4, 271.4, 0.0);
(467201.8, 3760775.7, 274.1, 592.0, 0.0); (
467221.8, 3760775.7, 274.5, 592.0, 0.0);
(467241.8, 3760775.7, 274.6, 592.0, 0.0); (
467261.8, 3760775.7, 274.7, 592.0, 0.0);
(467281.8, 3760775.7, 274.9, 592.0, 0.0); (
467301.8, 3760775.7, 275.3, 592.0, 0.0);
(467321.8, 3760775.7, 275.7, 592.0, 0.0); (
467341.8, 3760775.7, 275.9, 592.0, 0.0);
(467361.8, 3760775.7, 275.6, 592.0, 0.0); (
467381.8, 3760775.7, 274.9, 914.0, 0.0);
(466821.8, 3760795.7, 268.8, 268.8, 0.0); (
466841.8, 3760795.7, 269.0, 269.0, 0.0);
(466861.8, 3760795.7, 269.0, 269.0, 0.0); (
466881.8, 3760795.7, 269.4, 269.4, 0.0);
(466901.8, 3760795.7, 270.0, 270.0, 0.0); (
466921.8, 3760795.7, 270.0, 270.0, 0.0);
(466941.8, 3760795.7, 270.3, 270.3, 0.0); (
466961.8, 3760795.7, 270.7, 270.7, 0.0);
(466981.8, 3760795.7, 270.9, 270.9, 0.0); (
467001.8, 3760795.7, 271.3, 271.3, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(467201.8, 3760795.7, 274.1, 592.0, 0.0); (467221.8, 3760795.7, 274.5, 592.0, 0.0);
(467241.8, 3760795.7, 274.8, 592.0, 0.0); (467261.8, 3760795.7, 275.0, 592.0, 0.0);
(467281.8, 3760795.7, 275.0, 592.0, 0.0); (467301.8, 3760795.7, 275.3, 592.0, 0.0);
(467321.8, 3760795.7, 275.7, 592.0, 0.0); (467341.8, 3760795.7, 275.7, 592.0, 0.0);
(467361.8, 3760795.7, 275.3, 592.0, 0.0); (467381.8, 3760795.7, 274.6, 914.0, 0.0);
(466821.8, 3760815.7, 268.4, 268.4, 0.0); (466841.8, 3760815.7, 269.0, 269.0, 0.0);
(466861.8, 3760815.7, 269.0, 269.0, 0.0); (466881.8, 3760815.7, 269.4, 269.4, 0.0);
(466901.8, 3760815.7, 270.0, 270.0, 0.0); (466921.8, 3760815.7, 270.0, 270.0, 0.0);
(466941.8, 3760815.7, 270.0, 270.0, 0.0); (466961.8, 3760815.7, 270.1, 270.1, 0.0);
(466981.8, 3760815.7, 270.8, 270.8, 0.0); (467001.8, 3760815.7, 271.0, 271.0, 0.0);
(467201.8, 3760815.7, 274.0, 592.0, 0.0); (467221.8, 3760815.7, 274.0, 592.0, 0.0);
(467241.8, 3760815.7, 274.4, 592.0, 0.0); (467261.8, 3760815.7, 275.0, 592.0, 0.0);
(467281.8, 3760815.7, 275.0, 592.0, 0.0); (467301.8, 3760815.7, 275.0, 592.0, 0.0);
(467321.8, 3760815.7, 275.0, 592.0, 0.0); (467341.8, 3760815.7, 275.0, 592.0, 0.0);
(467361.8, 3760815.7, 274.6, 592.0, 0.0); (467381.8, 3760815.7, 274.0, 914.0, 0.0);
(466821.8, 3760835.7, 268.4, 268.4, 0.0); (466841.8, 3760835.7, 269.0, 269.0, 0.0);
(466861.8, 3760835.7, 269.0, 269.0, 0.0); (466881.8, 3760835.7, 269.2, 269.2, 0.0);
(466901.8, 3760835.7, 269.4, 269.4, 0.0); (466921.8, 3760835.7, 269.8, 269.8, 0.0);
(466941.8, 3760835.7, 270.0, 270.0, 0.0); (466961.8, 3760835.7, 270.0, 270.0, 0.0);
(466981.8, 3760835.7, 270.3, 270.3, 0.0); (467001.8, 3760835.7, 270.6, 270.6, 0.0);

(467201.8, 3760835.7, 274.0, 592.0, 0.0); (
467221.8, 3760835.7, 274.0, 592.0, 0.0);
(467241.8, 3760835.7, 274.2, 592.0, 0.0); (
467261.8, 3760835.7, 274.4, 592.0, 0.0);
(467281.8, 3760835.7, 274.8, 592.0, 0.0); (
467301.8, 3760835.7, 275.0, 592.0, 0.0);
(467321.8, 3760835.7, 275.0, 592.0, 0.0); (
467341.8, 3760835.7, 275.0, 592.0, 0.0);
(467361.8, 3760835.7, 274.6, 592.0, 0.0); (
467381.8, 3760835.7, 274.0, 592.0, 0.0);
(466821.8, 3760855.7, 268.3, 268.3, 0.0); (
466841.8, 3760855.7, 268.7, 268.7, 0.0);
(466861.8, 3760855.7, 268.9, 268.9, 0.0); (
466881.8, 3760855.7, 269.0, 269.0, 0.0);
(466901.8, 3760855.7, 269.1, 269.1, 0.0); (
466921.8, 3760855.7, 269.8, 269.8, 0.0);
(466941.8, 3760855.7, 270.0, 270.0, 0.0); (
466961.8, 3760855.7, 270.0, 270.0, 0.0);
(466981.8, 3760855.7, 270.0, 270.0, 0.0); (
467001.8, 3760855.7, 270.4, 270.4, 0.0);
(467201.8, 3760855.7, 273.7, 592.0, 0.0); (
467221.8, 3760855.7, 273.9, 592.0, 0.0);
(467241.8, 3760855.7, 274.0, 592.0, 0.0); (
467261.8, 3760855.7, 274.1, 592.0, 0.0);
(467281.8, 3760855.7, 274.8, 592.0, 0.0); (
467301.8, 3760855.7, 275.0, 592.0, 0.0);
(467321.8, 3760855.7, 275.0, 592.0, 0.0); (
467341.8, 3760855.7, 274.8, 592.0, 0.0);
(467361.8, 3760855.7, 274.4, 592.0, 0.0); (
467381.8, 3760855.7, 274.0, 592.0, 0.0);
(466821.8, 3760875.7, 268.0, 268.0, 0.0); (
466841.8, 3760875.7, 268.1, 268.1, 0.0);
(466861.8, 3760875.7, 268.8, 268.8, 0.0); (
466881.8, 3760875.7, 269.0, 269.0, 0.0);
(466901.8, 3760875.7, 269.1, 269.1, 0.0); (
466921.8, 3760875.7, 269.8, 269.8, 0.0);
(466941.8, 3760875.7, 270.0, 270.0, 0.0); (
466961.8, 3760875.7, 270.0, 270.0, 0.0);
(466981.8, 3760875.7, 270.0, 270.0, 0.0); (
467001.8, 3760875.7, 270.4, 270.4, 0.0);
(467201.8, 3760875.7, 273.1, 592.0, 0.0); (
467221.8, 3760875.7, 273.8, 592.0, 0.0);
(467241.8, 3760875.7, 274.0, 592.0, 0.0); (
467261.8, 3760875.7, 274.1, 592.0, 0.0);
(467281.8, 3760875.7, 274.8, 592.0, 0.0); (
467301.8, 3760875.7, 275.0, 592.0, 0.0);
(467321.8, 3760875.7, 274.9, 592.0, 0.0); (
467341.8, 3760875.7, 274.3, 592.0, 0.0);
(467361.8, 3760875.7, 274.0, 592.0, 0.0); (
467381.8, 3760875.7, 274.1, 592.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

```
     ( 466821.8, 3760895.7,     267.6,     267.6,       0.0);         (
466841.8, 3760895.7,     268.0,     268.0,       0.0);
     ( 466861.8, 3760895.7,     268.3,     268.3,       0.0);         (
466881.8, 3760895.7,     268.6,     268.6,       0.0);
     ( 466901.8, 3760895.7,     269.0,     269.0,       0.0);         (
466921.8, 3760895.7,     269.3,     269.3,       0.0);
     ( 466941.8, 3760895.7,     269.6,     269.6,       0.0);         (
466961.8, 3760895.7,     270.0,     270.0,       0.0);
     ( 466981.8, 3760895.7,     270.0,     270.0,       0.0);         (
467001.8, 3760895.7,     270.2,     270.2,       0.0);
     ( 467201.8, 3760895.7,     273.0,     592.0,       0.0);         (
467221.8, 3760895.7,     273.3,     592.0,       0.0);
     ( 467241.8, 3760895.7,     273.6,     592.0,       0.0);         (
467261.8, 3760895.7,     274.0,     592.0,       0.0);
     ( 467281.8, 3760895.7,     274.3,     592.0,       0.0);         (
467301.8, 3760895.7,     274.6,     592.0,       0.0);
     ( 467321.8, 3760895.7,     274.8,     592.0,       0.0);         (
467341.8, 3760895.7,     273.3,     592.0,       0.0);
     ( 467361.8, 3760895.7,     272.7,     592.0,       0.0);         (
467381.8, 3760895.7,     272.9,     592.0,       0.0);
     ( 466821.8, 3760915.7,     267.4,     267.4,       0.0);         (
466841.8, 3760915.7,     268.0,     268.0,       0.0);
     ( 466861.8, 3760915.7,     268.0,     268.0,       0.0);         (
466881.8, 3760915.7,     268.4,     268.4,       0.0);
     ( 466901.8, 3760915.7,     269.0,     269.0,       0.0);         (
466921.8, 3760915.7,     269.0,     269.0,       0.0);
     ( 466941.8, 3760915.7,     269.4,     269.4,       0.0);         (
466961.8, 3760915.7,     270.0,     270.0,       0.0);
     ( 466981.8, 3760915.7,     270.0,     270.0,       0.0);         (
467001.8, 3760915.7,     270.0,     270.0,       0.0);
     ( 467201.8, 3760915.7,     273.0,     592.0,       0.0);         (
467221.8, 3760915.7,     273.0,     592.0,       0.0);
     ( 467241.8, 3760915.7,     273.3,     592.0,       0.0);         (
467261.8, 3760915.7,     273.7,     592.0,       0.0);
     ( 467281.8, 3760915.7,     273.7,     592.0,       0.0);         (
467301.8, 3760915.7,     273.7,     592.0,       0.0);
     ( 467321.8, 3760915.7,     273.6,     592.0,       0.0);         (
467341.8, 3760915.7,     272.2,     592.0,       0.0);
     ( 467361.8, 3760915.7,     271.8,     592.0,       0.0);         (
467381.8, 3760915.7,     272.2,     592.0,       0.0);
```

(466821.8, 3760935.7, 267.4, 267.4, 0.0); (
466841.8, 3760935.7, 268.0, 268.0, 0.0);
(466861.8, 3760935.7, 268.0, 268.0, 0.0); (
466881.8, 3760935.7, 268.4, 268.4, 0.0);
(466901.8, 3760935.7, 269.0, 269.0, 0.0); (
466921.8, 3760935.7, 269.0, 269.0, 0.0);
(466941.8, 3760935.7, 269.4, 269.4, 0.0); (
466961.8, 3760935.7, 270.0, 270.0, 0.0);
(466981.8, 3760935.7, 270.0, 270.0, 0.0); (
467001.8, 3760935.7, 270.0, 270.0, 0.0);
(467201.8, 3760935.7, 273.0, 592.0, 0.0); (
467221.8, 3760935.7, 273.0, 592.0, 0.0);
(467241.8, 3760935.7, 273.0, 592.0, 0.0); (
467261.8, 3760935.7, 273.0, 592.0, 0.0);
(467281.8, 3760935.7, 273.0, 592.0, 0.0); (
467301.8, 3760935.7, 272.2, 592.0, 0.0);
(467321.8, 3760935.7, 271.1, 592.0, 0.0); (
467341.8, 3760935.7, 271.1, 592.0, 0.0);
(467361.8, 3760935.7, 271.4, 592.0, 0.0); (
467381.8, 3760935.7, 272.2, 592.0, 0.0);
(466821.8, 3760955.7, 267.4, 267.4, 0.0); (
466841.8, 3760955.7, 268.0, 268.0, 0.0);
(466861.8, 3760955.7, 268.0, 268.0, 0.0); (
466881.8, 3760955.7, 268.4, 268.4, 0.0);
(466901.8, 3760955.7, 269.0, 269.0, 0.0); (
466921.8, 3760955.7, 269.0, 269.0, 0.0);
(466941.8, 3760955.7, 269.2, 269.2, 0.0); (
466961.8, 3760955.7, 269.4, 269.4, 0.0);
(466981.8, 3760955.7, 269.8, 269.8, 0.0); (
467001.8, 3760955.7, 270.0, 270.0, 0.0);
(467201.8, 3760955.7, 272.4, 592.0, 0.0); (
467221.8, 3760955.7, 272.8, 592.0, 0.0);
(467241.8, 3760955.7, 273.0, 592.0, 0.0); (
467261.8, 3760955.7, 272.9, 592.0, 0.0);
(467281.8, 3760955.7, 272.5, 592.0, 0.0); (
467301.8, 3760955.7, 271.8, 592.0, 0.0);
(467321.8, 3760955.7, 271.0, 592.0, 0.0); (
467341.8, 3760955.7, 271.0, 592.0, 0.0);
(467361.8, 3760955.7, 271.7, 592.0, 0.0); (
467381.8, 3760955.7, 272.8, 592.0, 0.0);
(466821.8, 3760975.7, 267.3, 267.3, 0.0); (
466841.8, 3760975.7, 267.7, 267.7, 0.0);
(466861.8, 3760975.7, 267.9, 267.9, 0.0); (
466881.8, 3760975.7, 268.3, 268.3, 0.0);
(466901.8, 3760975.7, 268.7, 268.7, 0.0); (
466921.8, 3760975.7, 268.9, 268.9, 0.0);
(466941.8, 3760975.7, 269.0, 269.0, 0.0); (
466961.8, 3760975.7, 269.1, 269.1, 0.0);
(466981.8, 3760975.7, 269.8, 269.8, 0.0); (
467001.8, 3760975.7, 270.0, 270.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(467201.8, 3760975.7, 272.1, 592.0, 0.0); (467221.8, 3760975.7, 272.5, 592.0, 0.0);
(467241.8, 3760975.7, 272.7, 592.0, 0.0); (467261.8, 3760975.7, 272.6, 592.0, 0.0);
(467281.8, 3760975.7, 271.9, 592.0, 0.0); (467301.8, 3760975.7, 271.4, 592.0, 0.0);
(467321.8, 3760975.7, 271.0, 592.0, 0.0); (467341.8, 3760975.7, 271.0, 592.0, 0.0);
(467361.8, 3760975.7, 271.8, 592.0, 0.0); (467381.8, 3760975.7, 273.1, 592.0, 0.0);
(466821.8, 3760995.7, 267.0, 267.0, 0.0); (466841.8, 3760995.7, 267.1, 267.1, 0.0);
(466861.8, 3760995.7, 267.8, 267.8, 0.0); (466881.8, 3760995.7, 268.0, 268.0, 0.0);
(466901.8, 3760995.7, 268.1, 268.1, 0.0); (466921.8, 3760995.7, 268.8, 268.8, 0.0);
(466941.8, 3760995.7, 269.0, 269.0, 0.0); (466961.8, 3760995.7, 269.1, 269.1, 0.0);
(466981.8, 3760995.7, 269.8, 269.8, 0.0); (467001.8, 3760995.7, 270.0, 270.0, 0.0);
(467021.8, 3760995.7, 270.0, 270.0, 0.0); (467041.8, 3760995.7, 270.0, 270.0, 0.0);
(467061.8, 3760995.7, 270.4, 592.0, 0.0); (467081.8, 3760995.7, 271.0, 592.0, 0.0);
(467101.8, 3760995.7, 271.0, 592.0, 0.0); (467121.8, 3760995.7, 271.0, 592.0, 0.0);
(467141.8, 3760995.7, 271.1, 592.0, 0.0); (467161.8, 3760995.7, 271.8, 592.0, 0.0);
(467181.8, 3760995.7, 272.0, 592.0, 0.0); (467201.8, 3760995.7, 272.0, 592.0, 0.0);
(467221.8, 3760995.7, 272.0, 592.0, 0.0); (467241.8, 3760995.7, 272.0, 592.0, 0.0);
(467261.8, 3760995.7, 271.9, 592.0, 0.0); (467281.8, 3760995.7, 271.3, 592.0, 0.0);
(467301.8, 3760995.7, 271.0, 592.0, 0.0); (467321.8, 3760995.7, 271.0, 592.0, 0.0);
(467341.8, 3760995.7, 271.0, 592.0, 0.0); (467361.8, 3760995.7, 271.8, 592.0, 0.0);
(467381.8, 3760995.7, 273.1, 592.0, 0.0); (466821.8, 3761015.7, 267.0, 267.0, 0.0);

(466841.8, 3761015.7, 267.1, 267.1, 0.0); (466861.8, 3761015.7, 267.8, 267.8, 0.0);
(466881.8, 3761015.7, 268.0, 268.0, 0.0); (466901.8, 3761015.7, 268.1, 268.1, 0.0);
(466921.8, 3761015.7, 268.8, 268.8, 0.0); (466941.8, 3761015.7, 269.0, 269.0, 0.0);
(466961.8, 3761015.7, 269.0, 269.0, 0.0); (466981.8, 3761015.7, 269.3, 269.3, 0.0);
(467001.8, 3761015.7, 269.6, 269.6, 0.0); (467021.8, 3761015.7, 270.0, 270.0, 0.0);
(467041.8, 3761015.7, 270.0, 270.0, 0.0); (467061.8, 3761015.7, 270.4, 592.0, 0.0);
(467081.8, 3761015.7, 271.0, 592.0, 0.0); (467101.8, 3761015.7, 271.0, 592.0, 0.0);
(467121.8, 3761015.7, 271.0, 592.0, 0.0); (467141.8, 3761015.7, 271.0, 592.0, 0.0);
(467161.8, 3761015.7, 271.3, 592.0, 0.0); (467181.8, 3761015.7, 271.6, 592.0, 0.0);
(467201.8, 3761015.7, 272.0, 592.0, 0.0); (467221.8, 3761015.7, 272.0, 592.0, 0.0);
(467241.8, 3761015.7, 271.7, 592.0, 0.0); (467261.8, 3761015.7, 271.3, 592.0, 0.0);
(467281.8, 3761015.7, 271.1, 592.0, 0.0); (467301.8, 3761015.7, 271.0, 592.0, 0.0);
(467321.8, 3761015.7, 271.1, 592.0, 0.0); (467341.8, 3761015.7, 271.5, 592.0, 0.0);
(467361.8, 3761015.7, 272.2, 592.0, 0.0); (467381.8, 3761015.7, 273.1, 592.0, 0.0);
(466821.8, 3761035.7, 267.0, 267.0, 0.0); (466841.8, 3761035.7, 267.1, 267.1, 0.0);
(466861.8, 3761035.7, 267.8, 267.8, 0.0); (466881.8, 3761035.7, 268.0, 268.0, 0.0);
(466901.8, 3761035.7, 268.1, 268.1, 0.0); (466921.8, 3761035.7, 268.5, 268.5, 0.0);
(466941.8, 3761035.7, 268.8, 268.8, 0.0); (466961.8, 3761035.7, 269.0, 269.0, 0.0);
(466981.8, 3761035.7, 269.0, 269.0, 0.0); (467001.8, 3761035.7, 269.3, 269.3, 0.0);
(467021.8, 3761035.7, 269.7, 269.7, 0.0); (467041.8, 3761035.7, 269.9, 269.9, 0.0);
(467061.8, 3761035.7, 270.3, 592.0, 0.0); (467081.8, 3761035.7, 270.7, 592.0, 0.0);
(467101.8, 3761035.7, 270.9, 592.0, 0.0); (467121.8, 3761035.7, 271.0, 592.0, 0.0);
(467141.8, 3761035.7, 271.0, 592.0, 0.0); (467161.8, 3761035.7, 271.0, 592.0, 0.0);
(467181.8, 3761035.7, 271.3, 592.0, 0.0); (467201.8, 3761035.7, 271.7, 592.0, 0.0);
(467221.8, 3761035.7, 271.7, 592.0, 0.0); (467241.8, 3761035.7, 271.4, 592.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(467261.8, 3761035.7, 271.0, 592.0, 0.0); (467281.8, 3761035.7, 271.2, 592.0, 0.0);
(467301.8, 3761035.7, 271.2, 592.0, 0.0); (467321.8, 3761035.7, 271.1, 592.0, 0.0);
(467341.8, 3761035.7, 271.8, 592.0, 0.0); (467361.8, 3761035.7, 272.4, 592.0, 0.0);
(467381.8, 3761035.7, 273.1, 592.0, 0.0); (466821.8, 3761055.7, 267.0, 267.0, 0.0);
(466841.8, 3761055.7, 267.1, 267.1, 0.0); (466861.8, 3761055.7, 267.8, 267.8, 0.0);
(466881.8, 3761055.7, 268.0, 268.0, 0.0); (466901.8, 3761055.7, 268.0, 268.0, 0.0);
(466921.8, 3761055.7, 268.0, 268.0, 0.0); (466941.8, 3761055.7, 268.4, 268.4, 0.0);
(466961.8, 3761055.7, 269.0, 269.0, 0.0); (466981.8, 3761055.7, 269.0, 269.0, 0.0);
(467001.8, 3761055.7, 269.0, 269.0, 0.0); (467021.8, 3761055.7, 269.1, 269.1, 0.0);
(467041.8, 3761055.7, 269.8, 592.0, 0.0); (467061.8, 3761055.7, 270.0, 592.0, 0.0);
(467081.8, 3761055.7, 270.1, 592.0, 0.0); (467101.8, 3761055.7, 270.8, 592.0, 0.0);
(467121.8, 3761055.7, 271.0, 592.0, 0.0); (467141.8, 3761055.7, 271.0, 592.0, 0.0);
(467161.8, 3761055.7, 271.0, 592.0, 0.0); (467181.8, 3761055.7, 271.0, 592.0, 0.0);
(467201.8, 3761055.7, 271.0, 592.0, 0.0); (467221.8, 3761055.7, 271.0, 592.0, 0.0);
(467241.8, 3761055.7, 271.0, 592.0, 0.0); (467261.8, 3761055.7, 271.1, 592.0, 0.0);
(467281.8, 3761055.7, 271.7, 592.0, 0.0); (467301.8, 3761055.7, 271.6, 592.0, 0.0);
(467321.8, 3761055.7, 271.1, 592.0, 0.0); (467341.8, 3761055.7, 271.8, 592.0, 0.0);
(467361.8, 3761055.7, 272.4, 592.0, 0.0); (467381.8, 3761055.7, 273.0, 592.0, 0.0);
(466821.8, 3761075.7, 267.0, 267.0, 0.0); (466841.8, 3761075.7, 267.0, 267.0, 0.0);
(466861.8, 3761075.7, 267.3, 267.3, 0.0); (466881.8, 3761075.7, 267.6, 267.6, 0.0);

(466901.8, 3761075.7, 268.0, 268.0, 0.0); (
466921.8, 3761075.7, 268.0, 268.0, 0.0);
(466941.8, 3761075.7, 268.2, 268.2, 0.0); (
466961.8, 3761075.7, 268.4, 268.4, 0.0);
(466981.8, 3761075.7, 268.8, 268.8, 0.0); (
467001.8, 3761075.7, 269.0, 269.0, 0.0);
(467021.8, 3761075.7, 269.0, 269.0, 0.0); (
467041.8, 3761075.7, 269.3, 592.0, 0.0);
(467061.8, 3761075.7, 269.6, 592.0, 0.0); (
467081.8, 3761075.7, 270.0, 592.0, 0.0);
(467101.8, 3761075.7, 270.3, 592.0, 0.0); (
467121.8, 3761075.7, 270.6, 592.0, 0.0);
(467141.8, 3761075.7, 271.0, 592.0, 0.0); (
467161.8, 3761075.7, 271.0, 592.0, 0.0);
(467181.8, 3761075.7, 271.0, 592.0, 0.0); (
467201.8, 3761075.7, 271.0, 592.0, 0.0);
(467221.8, 3761075.7, 271.0, 592.0, 0.0); (
467241.8, 3761075.7, 270.7, 592.0, 0.0);
(467261.8, 3761075.7, 270.4, 592.0, 0.0); (
467281.8, 3761075.7, 271.1, 592.0, 0.0);
(467301.8, 3761075.7, 271.2, 592.0, 0.0); (
467321.8, 3761075.7, 271.1, 592.0, 0.0);
(467341.8, 3761075.7, 271.8, 592.0, 0.0); (
467361.8, 3761075.7, 272.2, 592.0, 0.0);
(467381.8, 3761075.7, 272.4, 592.0, 0.0); (
466821.8, 3761095.7, 267.0, 267.0, 0.0);
(466841.8, 3761095.7, 267.0, 267.0, 0.0); (
466861.8, 3761095.7, 267.0, 267.0, 0.0);
(466881.8, 3761095.7, 267.4, 267.4, 0.0); (
466901.8, 3761095.7, 268.0, 268.0, 0.0);
(466921.8, 3761095.7, 268.0, 268.0, 0.0); (
466941.8, 3761095.7, 268.0, 268.0, 0.0);
(466961.8, 3761095.7, 268.1, 268.1, 0.0); (
466981.8, 3761095.7, 268.8, 268.8, 0.0);
(467001.8, 3761095.7, 269.0, 269.0, 0.0); (
467021.8, 3761095.7, 269.0, 269.0, 0.0);
(467041.8, 3761095.7, 269.0, 592.0, 0.0); (
467061.8, 3761095.7, 269.4, 592.0, 0.0);
(467081.8, 3761095.7, 270.0, 592.0, 0.0); (
467101.8, 3761095.7, 270.0, 592.0, 0.0);
(467121.8, 3761095.7, 270.3, 592.0, 0.0); (
467141.8, 3761095.7, 270.7, 592.0, 0.0);
(467161.8, 3761095.7, 270.7, 592.0, 0.0); (
467181.8, 3761095.7, 270.7, 592.0, 0.0);
(467201.8, 3761095.7, 270.7, 592.0, 0.0); (
467221.8, 3761095.7, 270.7, 592.0, 0.0);
(467241.8, 3761095.7, 270.4, 592.0, 0.0); (
467261.8, 3761095.7, 270.1, 592.0, 0.0);
(467281.8, 3761095.7, 270.5, 592.0, 0.0); (
467301.8, 3761095.7, 270.8, 592.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(467321.8, 3761095.7, 271.1, 592.0, 0.0); (467341.8, 3761095.7, 271.5, 592.0, 0.0);
(467361.8, 3761095.7, 271.8, 592.0, 0.0); (467381.8, 3761095.7, 272.1, 592.0, 0.0);
(466821.8, 3761115.7, 267.0, 267.0, 0.0); (466841.8, 3761115.7, 267.0, 267.0, 0.0);
(466861.8, 3761115.7, 267.0, 267.0, 0.0); (466881.8, 3761115.7, 267.4, 267.4, 0.0);
(466901.8, 3761115.7, 268.0, 268.0, 0.0); (466921.8, 3761115.7, 268.0, 268.0, 0.0);
(466941.8, 3761115.7, 268.0, 268.0, 0.0); (466961.8, 3761115.7, 268.1, 268.1, 0.0);
(466981.8, 3761115.7, 268.8, 268.8, 0.0); (467001.8, 3761115.7, 269.0, 269.0, 0.0);
(467021.8, 3761115.7, 269.0, 269.0, 0.0); (467041.8, 3761115.7, 269.0, 592.0, 0.0);
(467061.8, 3761115.7, 269.4, 592.0, 0.0); (467081.8, 3761115.7, 270.0, 592.0, 0.0);
(467101.8, 3761115.7, 270.0, 592.0, 0.0); (467121.8, 3761115.7, 270.0, 592.0, 0.0);
(467141.8, 3761115.7, 270.0, 592.0, 0.0); (467161.8, 3761115.7, 270.0, 592.0, 0.0);
(467181.8, 3761115.7, 270.0, 592.0, 0.0); (467201.8, 3761115.7, 270.0, 592.0, 0.0);
(467221.8, 3761115.7, 270.0, 592.0, 0.0); (467241.8, 3761115.7, 270.0, 592.0, 0.0);
(467261.8, 3761115.7, 270.0, 592.0, 0.0); (467281.8, 3761115.7, 270.0, 592.0, 0.0);
(467301.8, 3761115.7, 270.4, 592.0, 0.0); (467321.8, 3761115.7, 271.0, 592.0, 0.0);
(467341.8, 3761115.7, 271.0, 592.0, 0.0); (467361.8, 3761115.7, 271.4, 592.0, 0.0);
(467381.8, 3761115.7, 272.0, 592.0, 0.0); (466821.8, 3761135.7, 266.6, 266.6, 0.0);
(466841.8, 3761135.7, 267.0, 267.0, 0.0); (466861.8, 3761135.7, 267.0, 267.0, 0.0);
(466881.8, 3761135.7, 267.4, 267.4, 0.0); (466901.8, 3761135.7, 268.0, 268.0, 0.0);
(466921.8, 3761135.7, 268.0, 268.0, 0.0); (466941.8, 3761135.7, 268.0, 268.0, 0.0);

(466961.8, 3761135.7, 268.1, 268.1, 0.0); (466981.8, 3761135.7, 268.8, 268.8, 0.0);
(467001.8, 3761135.7, 269.0, 269.0, 0.0); (467021.8, 3761135.7, 269.0, 592.0, 0.0);
(467041.8, 3761135.7, 269.0, 592.0, 0.0); (467061.8, 3761135.7, 269.2, 592.0, 0.0);
(467081.8, 3761135.7, 269.4, 592.0, 0.0); (467101.8, 3761135.7, 269.8, 592.0, 0.0);
(467121.8, 3761135.7, 270.0, 592.0, 0.0); (467141.8, 3761135.7, 270.0, 592.0, 0.0);
(467161.8, 3761135.7, 270.0, 592.0, 0.0); (467181.8, 3761135.7, 270.0, 592.0, 0.0);
(467201.8, 3761135.7, 269.9, 592.0, 0.0); (467221.8, 3761135.7, 269.5, 592.0, 0.0);
(467241.8, 3761135.7, 269.1, 592.0, 0.0); (467261.8, 3761135.7, 268.8, 592.0, 0.0);
(467281.8, 3761135.7, 269.2, 592.0, 0.0); (467301.8, 3761135.7, 269.8, 592.0, 0.0);
(467321.8, 3761135.7, 270.4, 592.0, 0.0); (467341.8, 3761135.7, 270.8, 592.0, 0.0);
(467361.8, 3761135.7, 271.4, 592.0, 0.0); (467381.8, 3761135.7, 272.1, 592.0, 0.0);
(466821.8, 3761155.7, 266.6, 266.6, 0.0); (466841.8, 3761155.7, 267.0, 267.0, 0.0);
(466861.8, 3761155.7, 267.2, 267.2, 0.0); (466881.8, 3761155.7, 267.6, 267.6, 0.0);
(466901.8, 3761155.7, 268.0, 268.0, 0.0); (466921.8, 3761155.7, 268.0, 268.0, 0.0);
(466941.8, 3761155.7, 268.0, 268.0, 0.0); (466961.8, 3761155.7, 268.1, 268.1, 0.0);
(466981.8, 3761155.7, 268.5, 268.5, 0.0); (467001.8, 3761155.7, 268.8, 268.8, 0.0);
(467021.8, 3761155.7, 269.0, 592.0, 0.0); (467041.8, 3761155.7, 269.0, 592.0, 0.0);
(467061.8, 3761155.7, 269.0, 592.0, 0.0); (467081.8, 3761155.7, 269.1, 592.0, 0.0);
(467101.8, 3761155.7, 269.5, 592.0, 0.0); (467121.8, 3761155.7, 269.7, 592.0, 0.0);
(467141.8, 3761155.7, 269.7, 592.0, 0.0); (467161.8, 3761155.7, 269.7, 592.0, 0.0);
(467181.8, 3761155.7, 269.7, 592.0, 0.0); (467201.8, 3761155.7, 269.6, 592.0, 0.0);
(467221.8, 3761155.7, 268.9, 592.0, 0.0); (467241.8, 3761155.7, 268.4, 592.0, 0.0);
(467261.8, 3761155.7, 268.1, 592.0, 0.0); (467281.8, 3761155.7, 268.8, 592.0, 0.0);
(467301.8, 3761155.7, 269.4, 592.0, 0.0); (467321.8, 3761155.7, 270.1, 592.0, 0.0);
(467341.8, 3761155.7, 270.7, 592.0, 0.0); (467361.8, 3761155.7, 271.4, 592.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

```
     ( 467381.8, 3761155.7,     272.1,     592.0,       0.0);         (
466821.8, 3761175.7,     267.0,     267.0,       0.0);
     ( 466841.8, 3761175.7,     267.1,     267.1,       0.0);         (
466861.8, 3761175.7,     267.7,     267.7,       0.0);
     ( 466881.8, 3761175.7,     268.0,     268.0,       0.0);         (
466901.8, 3761175.7,     268.0,     268.0,       0.0);
     ( 466921.8, 3761175.7,     268.0,     268.0,       0.0);         (
466941.8, 3761175.7,     268.0,     268.0,       0.0);
     ( 466961.8, 3761175.7,     268.0,     268.0,       0.0);         (
466981.8, 3761175.7,     268.0,     268.0,       0.0);
     ( 467001.8, 3761175.7,     268.4,     268.4,       0.0);         (
467021.8, 3761175.7,     269.0,     592.0,       0.0);
     ( 467041.8, 3761175.7,     269.0,     592.0,       0.0);         (
467061.8, 3761175.7,     269.0,     592.0,       0.0);
     ( 467081.8, 3761175.7,     269.0,     592.0,       0.0);         (
467101.8, 3761175.7,     269.0,     592.0,       0.0);
     ( 467121.8, 3761175.7,     269.0,     592.0,       0.0);         (
467141.8, 3761175.7,     269.0,     592.0,       0.0);
     ( 467161.8, 3761175.7,     269.0,     592.0,       0.0);         (
467181.8, 3761175.7,     269.0,     592.0,       0.0);
     ( 467201.8, 3761175.7,     268.9,     592.0,       0.0);         (
467221.8, 3761175.7,     268.3,     592.0,       0.0);
     ( 467241.8, 3761175.7,     268.0,     592.0,       0.0);         (
467261.8, 3761175.7,     268.1,     592.0,       0.0);
     ( 467281.8, 3761175.7,     268.8,     592.0,       0.0);         (
467301.8, 3761175.7,     269.4,     592.0,       0.0);
     ( 467321.8, 3761175.7,     270.1,     592.0,       0.0);         (
467341.8, 3761175.7,     270.7,     592.0,       0.0);
     ( 467361.8, 3761175.7,     271.4,     592.0,       0.0);         (
467381.8, 3761175.7,     272.2,     592.0,       0.0);
     ( 466771.8, 3760235.7,     273.0,     273.0,       0.0);         (
466821.8, 3760235.7,     273.4,     273.4,       0.0);
     ( 466871.8, 3760235.7,     274.0,     274.0,       0.0);         (
466921.8, 3760235.7,     274.0,     274.0,       0.0);
     ( 466971.8, 3760235.7,     274.2,     274.2,       0.0);         (
467021.8, 3760235.7,     275.1,     275.1,       0.0);
     ( 467071.8, 3760235.7,     276.0,     276.0,       0.0);         (
467121.8, 3760235.7,     277.0,     277.0,       0.0);
     ( 467171.8, 3760235.7,     278.0,     278.0,       0.0);         (
467221.8, 3760235.7,     278.8,     278.8,       0.0);
```

(467271.8, 3760235.7, 279.6, 914.0, 0.0); (
467321.8, 3760235.7, 281.0, 914.0, 0.0);
(467371.8, 3760235.7, 281.0, 914.0, 0.0); (
467421.8, 3760235.7, 282.0, 914.0, 0.0);
(467471.8, 3760235.7, 283.0, 914.0, 0.0); (
467521.8, 3760235.7, 283.8, 914.0, 0.0);
(467571.8, 3760235.7, 284.2, 914.0, 0.0); (
467621.8, 3760235.7, 285.0, 914.0, 0.0);
(467671.8, 3760235.7, 285.7, 914.0, 0.0); (
466771.8, 3760285.7, 272.5, 272.5, 0.0);
(466821.8, 3760285.7, 273.0, 273.0, 0.0); (
466871.8, 3760285.7, 273.7, 273.7, 0.0);
(466921.8, 3760285.7, 273.7, 273.7, 0.0); (
466971.8, 3760285.7, 274.0, 274.0, 0.0);
(467021.8, 3760285.7, 275.0, 275.0, 0.0); (
467071.8, 3760285.7, 275.8, 275.8, 0.0);
(467121.8, 3760285.7, 276.4, 276.4, 0.0); (
467171.8, 3760285.7, 277.1, 277.1, 0.0);
(467221.8, 3760285.7, 278.5, 278.5, 0.0); (
467271.8, 3760285.7, 279.4, 914.0, 0.0);
(467321.8, 3760285.7, 280.1, 914.0, 0.0); (
467371.8, 3760285.7, 281.0, 914.0, 0.0);
(467421.8, 3760285.7, 281.8, 914.0, 0.0); (
467471.8, 3760285.7, 282.7, 914.0, 0.0);
(467521.8, 3760285.7, 283.0, 914.0, 0.0); (
467571.8, 3760285.7, 283.8, 914.0, 0.0);
(467621.8, 3760285.7, 284.7, 914.0, 0.0); (
467671.8, 3760285.7, 285.0, 914.0, 0.0);
(466771.8, 3760335.7, 272.0, 272.0, 0.0); (
466821.8, 3760335.7, 272.0, 272.0, 0.0);
(466871.8, 3760335.7, 273.0, 273.0, 0.0); (
466921.8, 3760335.7, 273.0, 273.0, 0.0);
(466971.8, 3760335.7, 274.0, 274.0, 0.0); (
467021.8, 3760335.7, 275.0, 275.0, 0.0);
(467071.8, 3760335.7, 275.8, 275.8, 0.0); (
467121.8, 3760335.7, 276.4, 276.4, 0.0);
(467171.8, 3760335.7, 277.1, 277.1, 0.0); (
467221.8, 3760335.7, 278.0, 278.0, 0.0);
(467271.8, 3760335.7, 279.0, 914.0, 0.0); (
467321.8, 3760335.7, 280.0, 914.0, 0.0);
(467371.8, 3760335.7, 280.8, 914.0, 0.0); (
467421.8, 3760335.7, 281.4, 914.0, 0.0);
(467471.8, 3760335.7, 282.0, 914.0, 0.0); (
467521.8, 3760335.7, 282.8, 914.0, 0.0);
(467571.8, 3760335.7, 283.4, 914.0, 0.0); (
467621.8, 3760335.7, 284.0, 914.0, 0.0);
(467671.8, 3760335.7, 284.8, 914.0, 0.0); (
466771.8, 3760385.7, 272.0, 272.0, 0.0);
(466821.8, 3760385.7, 271.7, 271.7, 0.0); (
466871.8, 3760385.7, 271.4, 271.4, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(466921.8, 3760385.7, 273.0, 273.0, 0.0); (466971.8, 3760385.7, 274.0, 274.0, 0.0);
(467021.8, 3760385.7, 275.0, 275.0, 0.0); (467071.8, 3760385.7, 275.3, 275.3, 0.0);
(467121.8, 3760385.7, 276.2, 276.2, 0.0); (467171.8, 3760385.7, 277.0, 277.0, 0.0);
(467221.8, 3760385.7, 277.8, 277.8, 0.0); (467271.8, 3760385.7, 278.6, 914.0, 0.0);
(467321.8, 3760385.7, 279.4, 914.0, 0.0); (467371.8, 3760385.7, 280.3, 914.0, 0.0);
(467421.8, 3760385.7, 281.0, 914.0, 0.0); (467471.8, 3760385.7, 282.0, 914.0, 0.0);
(467521.8, 3760385.7, 282.3, 914.0, 0.0); (467571.8, 3760385.7, 283.0, 914.0, 0.0);
(467621.8, 3760385.7, 284.0, 914.0, 0.0); (467671.8, 3760385.7, 284.3, 914.0, 0.0);
(466771.8, 3760435.7, 270.9, 270.9, 0.0); (466821.8, 3760435.7, 271.0, 271.0, 0.0);
(466871.8, 3760435.7, 271.4, 271.4, 0.0); (466921.8, 3760435.7, 272.8, 272.8, 0.0);
(466971.8, 3760435.7, 273.4, 273.4, 0.0); (467021.8, 3760435.7, 274.1, 274.1, 0.0);
(467071.8, 3760435.7, 274.9, 274.9, 0.0); (467121.8, 3760435.7, 275.8, 275.8, 0.0);
(467171.8, 3760435.7, 277.0, 277.0, 0.0); (467221.8, 3760435.7, 277.8, 277.8, 0.0);
(467271.8, 3760435.7, 278.3, 278.3, 0.0); (467321.8, 3760435.7, 279.1, 914.0, 0.0);
(467371.8, 3760435.7, 279.9, 914.0, 0.0); (467421.8, 3760435.7, 280.4, 914.0, 0.0);
(467471.8, 3760435.7, 281.1, 914.0, 0.0); (467521.8, 3760435.7, 281.9, 914.0, 0.0);
(467571.8, 3760435.7, 282.8, 914.0, 0.0); (467621.8, 3760435.7, 283.1, 914.0, 0.0);
(467671.8, 3760435.7, 283.9, 914.0, 0.0); (466771.8, 3760485.7, 271.0, 271.0, 0.0);
(466821.8, 3760485.7, 272.0, 272.0, 0.0); (466871.8, 3760485.7, 272.0, 272.0, 0.0);
(466921.8, 3760485.7, 272.8, 272.8, 0.0); (466971.8, 3760485.7, 273.4, 273.4, 0.0);

(467021.8, 3760485.7, 274.0, 274.0, 0.0); (
467071.8, 3760485.7, 274.8, 274.8, 0.0);
(467121.8, 3760485.7, 275.4, 275.4, 0.0); (
467171.8, 3760485.7, 276.1, 276.1, 0.0);
(467221.8, 3760485.7, 277.0, 277.0, 0.0); (
467271.8, 3760485.7, 278.0, 592.0, 0.0);
(467321.8, 3760485.7, 279.0, 914.0, 0.0); (
467371.8, 3760485.7, 279.8, 914.0, 0.0);
(467421.8, 3760485.7, 280.0, 914.0, 0.0); (
467471.8, 3760485.7, 281.0, 914.0, 0.0);
(467521.8, 3760485.7, 281.8, 914.0, 0.0); (
467571.8, 3760485.7, 282.0, 914.0, 0.0);
(467621.8, 3760485.7, 283.0, 914.0, 0.0); (
467671.8, 3760485.7, 283.7, 914.0, 0.0);
(466771.8, 3760535.7, 271.8, 271.8, 0.0); (
467421.8, 3760535.7, 279.6, 914.0, 0.0);
(467471.8, 3760535.7, 280.4, 914.0, 0.0); (
467521.8, 3760535.7, 281.0, 914.0, 0.0);
(467571.8, 3760535.7, 281.6, 914.0, 0.0); (
467621.8, 3760535.7, 282.0, 914.0, 0.0);
(467671.8, 3760535.7, 282.8, 914.0, 0.0); (
466771.8, 3760585.7, 270.9, 270.9, 0.0);
(467421.8, 3760585.7, 279.0, 914.0, 0.0); (
467471.8, 3760585.7, 279.7, 914.0, 0.0);
(467521.8, 3760585.7, 280.5, 914.0, 0.0); (
467571.8, 3760585.7, 281.0, 914.0, 0.0);
(467621.8, 3760585.7, 281.7, 914.0, 0.0); (
467671.8, 3760585.7, 281.7, 914.0, 0.0);
(466771.8, 3760635.7, 270.0, 270.0, 0.0); (
467421.8, 3760635.7, 278.0, 914.0, 0.0);
(467471.8, 3760635.7, 278.1, 914.0, 0.0); (
467521.8, 3760635.7, 279.0, 914.0, 0.0);
(467571.8, 3760635.7, 280.4, 914.0, 0.0); (
467621.8, 3760635.7, 281.0, 914.0, 0.0);
(467671.8, 3760635.7, 281.0, 914.0, 0.0); (
466771.8, 3760685.7, 269.4, 269.4, 0.0);
(467421.8, 3760685.7, 277.2, 914.0, 0.0); (
467471.8, 3760685.7, 277.4, 914.0, 0.0);
(467521.8, 3760685.7, 277.8, 914.0, 0.0); (
467571.8, 3760685.7, 278.8, 914.0, 0.0);
(467621.8, 3760685.7, 279.4, 914.0, 0.0); (
467671.8, 3760685.7, 279.8, 914.0, 0.0);
(466771.8, 3760735.7, 268.9, 268.9, 0.0); (
467421.8, 3760735.7, 275.7, 914.0, 0.0);
(467471.8, 3760735.7, 275.8, 914.0, 0.0); (
467521.8, 3760735.7, 276.9, 914.0, 0.0);
(467571.8, 3760735.7, 277.7, 914.0, 0.0); (
467621.8, 3760735.7, 278.1, 914.0, 0.0);
(467671.8, 3760735.7, 279.7, 914.0, 0.0); (
466771.8, 3760785.7, 268.0, 268.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(467421.8, 3760785.7, 274.0, 914.0, 0.0); (467471.8, 3760785.7, 275.1, 914.0, 0.0);
(467521.8, 3760785.7, 276.0, 914.0, 0.0); (467571.8, 3760785.7, 277.0, 914.0, 0.0);
(467621.8, 3760785.7, 278.1, 914.0, 0.0); (467671.8, 3760785.7, 279.7, 914.0, 0.0);
(466771.8, 3760835.7, 267.8, 267.8, 0.0); (467421.8, 3760835.7, 274.3, 914.0, 0.0);
(467471.8, 3760835.7, 275.1, 914.0, 0.0); (467521.8, 3760835.7, 276.5, 914.0, 0.0);
(467571.8, 3760835.7, 277.3, 914.0, 0.0); (467621.8, 3760835.7, 278.1, 914.0, 0.0);
(467671.8, 3760835.7, 279.3, 914.0, 0.0); (466771.8, 3760885.7, 267.0, 267.0, 0.0);
(467421.8, 3760885.7, 275.0, 914.0, 0.0); (467471.8, 3760885.7, 276.0, 914.0, 0.0);
(467521.8, 3760885.7, 276.7, 914.0, 0.0); (467571.8, 3760885.7, 277.4, 914.0, 0.0);
(467621.8, 3760885.7, 278.0, 914.0, 0.0); (467671.8, 3760885.7, 278.5, 914.0, 0.0);
(466771.8, 3760935.7, 266.8, 266.8, 0.0); (467421.8, 3760935.7, 275.0, 592.0, 0.0);
(467471.8, 3760935.7, 276.0, 914.0, 0.0); (467521.8, 3760935.7, 276.0, 914.0, 0.0);
(467571.8, 3760935.7, 277.0, 914.0, 0.0); (467621.8, 3760935.7, 278.0, 914.0, 0.0);
(467671.8, 3760935.7, 278.0, 914.0, 0.0); (466771.8, 3760985.7, 266.0, 266.0, 0.0);
(467421.8, 3760985.7, 274.6, 592.0, 0.0); (467471.8, 3760985.7, 275.0, 914.0, 0.0);
(467521.8, 3760985.7, 275.8, 914.0, 0.0); (467571.8, 3760985.7, 277.0, 914.0, 0.0);
(467621.8, 3760985.7, 277.6, 914.0, 0.0); (467671.8, 3760985.7, 277.4, 914.0, 0.0);
(466771.8, 3761035.7, 266.8, 266.8, 0.0); (467421.8, 3761035.7, 273.8, 592.0, 0.0);
(467471.8, 3761035.7, 274.7, 592.0, 0.0); (467521.8, 3761035.7, 275.5, 914.0, 0.0);
(467571.8, 3761035.7, 277.5, 914.0, 0.0); (467621.8, 3761035.7, 279.3, 914.0, 0.0);

(467671.8, 3761035.7, 280.5, 914.0, 0.0); (
466771.8, 3761085.7, 265.8, 265.8, 0.0);
(467421.8, 3761085.7, 273.4, 592.0, 0.0); (
467471.8, 3761085.7, 274.1, 592.0, 0.0);
(467521.8, 3761085.7, 275.0, 914.0, 0.0); (
467571.8, 3761085.7, 278.8, 914.0, 0.0);
(467621.8, 3761085.7, 281.1, 914.0, 0.0); (
467671.8, 3761085.7, 281.3, 914.0, 0.0);
(466771.8, 3761135.7, 265.9, 265.9, 0.0); (
467421.8, 3761135.7, 273.4, 592.0, 0.0);
(467471.8, 3761135.7, 275.2, 592.0, 0.0); (
467521.8, 3761135.7, 278.6, 592.0, 0.0);
(467571.8, 3761135.7, 280.4, 592.0, 0.0); (
467621.8, 3761135.7, 279.6, 914.0, 0.0);
(467671.8, 3761135.7, 277.8, 914.0, 0.0); (
466771.8, 3761185.7, 267.2, 267.2, 0.0);
(466821.8, 3761185.7, 267.3, 267.3, 0.0); (
466871.8, 3761185.7, 267.7, 267.7, 0.0);
(466921.8, 3761185.7, 268.0, 268.0, 0.0); (
466971.8, 3761185.7, 268.1, 268.1, 0.0);
(467021.8, 3761185.7, 269.0, 592.0, 0.0); (
467071.8, 3761185.7, 269.0, 592.0, 0.0);
(467121.8, 3761185.7, 269.0, 592.0, 0.0); (
467171.8, 3761185.7, 269.0, 592.0, 0.0);
(467221.8, 3761185.7, 268.2, 592.0, 0.0); (
467271.8, 3761185.7, 268.4, 592.0, 0.0);
(467321.8, 3761185.7, 270.7, 592.0, 0.0); (
467371.8, 3761185.7, 272.4, 592.0, 0.0);
(467421.8, 3761185.7, 275.6, 592.0, 0.0); (
467471.8, 3761185.7, 279.4, 592.0, 0.0);
(467521.8, 3761185.7, 280.9, 592.0, 0.0); (
467571.8, 3761185.7, 277.0, 914.0, 0.0);
(467621.8, 3761185.7, 274.1, 914.0, 0.0); (
467671.8, 3761185.7, 274.9, 914.0, 0.0);
(466771.8, 3761235.7, 267.8, 267.8, 0.0); (
466821.8, 3761235.7, 268.0, 268.0, 0.0);
(466871.8, 3761235.7, 267.1, 267.1, 0.0); (
466921.8, 3761235.7, 268.0, 268.0, 0.0);
(466971.8, 3761235.7, 268.4, 268.4, 0.0); (
467021.8, 3761235.7, 269.0, 592.0, 0.0);
(467071.8, 3761235.7, 269.0, 592.0, 0.0); (
467121.8, 3761235.7, 269.0, 592.0, 0.0);
(467171.8, 3761235.7, 268.9, 592.0, 0.0); (
467221.8, 3761235.7, 268.0, 592.0, 0.0);
(467271.8, 3761235.7, 269.2, 592.0, 0.0); (
467321.8, 3761235.7, 273.1, 592.0, 0.0);
(467371.8, 3761235.7, 276.9, 592.0, 0.0); (
467421.8, 3761235.7, 280.9, 592.0, 0.0);
(467471.8, 3761235.7, 280.6, 592.0, 0.0); (
467521.8, 3761235.7, 273.7, 592.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(467571.8, 3761235.7, 273.0, 914.0, 0.0); (467621.8, 3761235.7, 273.1, 914.0, 0.0);
(467671.8, 3761235.7, 274.0, 914.0, 0.0); (466771.8, 3761285.7, 267.1, 267.1, 0.0);
(466821.8, 3761285.7, 267.4, 267.4, 0.0); (466871.8, 3761285.7, 267.0, 267.0, 0.0);
(466921.8, 3761285.7, 267.3, 267.3, 0.0); (466971.8, 3761285.7, 268.0, 268.0, 0.0);
(467021.8, 3761285.7, 268.0, 592.0, 0.0); (467071.8, 3761285.7, 268.0, 592.0, 0.0);
(467121.8, 3761285.7, 268.0, 592.0, 0.0); (467171.8, 3761285.7, 268.4, 592.0, 0.0);
(467221.8, 3761285.7, 270.4, 592.0, 0.0); (467271.8, 3761285.7, 273.4, 592.0, 0.0);
(467321.8, 3761285.7, 275.0, 592.0, 0.0); (467371.8, 3761285.7, 276.2, 592.0, 0.0);
(467421.8, 3761285.7, 277.6, 592.0, 0.0); (467471.8, 3761285.7, 277.2, 592.0, 0.0);
(467521.8, 3761285.7, 272.7, 592.0, 0.0); (467571.8, 3761285.7, 272.4, 914.0, 0.0);
(467621.8, 3761285.7, 272.4, 914.0, 0.0); (467671.8, 3761285.7, 273.4, 914.0, 0.0);
(467721.8, 3760235.7, 286.2, 914.0, 0.0); (467821.8, 3760235.7, 287.8, 914.0, 0.0);
(467921.8, 3760235.7, 289.4, 914.0, 0.0); (468021.8, 3760235.7, 291.2, 921.0, 0.0);
(468121.8, 3760235.7, 292.8, 939.0, 0.0); (468221.8, 3760235.7, 290.6, 939.0, 0.0);
(467721.8, 3760335.7, 285.4, 914.0, 0.0); (467821.8, 3760335.7, 287.0, 914.0, 0.0);
(467921.8, 3760335.7, 289.0, 914.0, 0.0); (468021.8, 3760335.7, 290.0, 914.0, 0.0);
(468121.8, 3760335.7, 290.3, 939.0, 0.0); (468221.8, 3760335.7, 289.2, 939.0, 0.0);
(467721.8, 3760435.7, 284.8, 914.0, 0.0); (467821.8, 3760435.7, 285.9, 914.0, 0.0);
(467921.8, 3760435.7, 287.0, 914.0, 0.0); (468021.8, 3760435.7, 287.7, 914.0, 0.0);
(468121.8, 3760435.7, 286.0, 939.0, 0.0); (468221.8, 3760435.7, 288.8, 939.0, 0.0);

(467721.8, 3760535.7, 283.2, 914.0, 0.0); (
467821.8, 3760535.7, 283.4, 914.0, 0.0);
(467921.8, 3760535.7, 283.2, 914.0, 0.0); (
468021.8, 3760535.7, 286.6, 914.0, 0.0);
(468121.8, 3760535.7, 287.0, 939.0, 0.0); (
468221.8, 3760535.7, 289.1, 939.0, 0.0);
(467721.8, 3760635.7, 280.0, 914.0, 0.0); (
467821.8, 3760635.7, 282.5, 914.0, 0.0);
(467921.8, 3760635.7, 286.1, 914.0, 0.0); (
468021.8, 3760635.7, 287.0, 914.0, 0.0);
(468121.8, 3760635.7, 288.0, 914.0, 0.0); (
468221.8, 3760635.7, 288.1, 939.0, 0.0);
(467721.8, 3760735.7, 281.4, 914.0, 0.0); (
467821.8, 3760735.7, 283.9, 914.0, 0.0);
(467921.8, 3760735.7, 286.0, 914.0, 0.0); (
468021.8, 3760735.7, 286.4, 914.0, 0.0);
(468121.8, 3760735.7, 286.0, 914.0, 0.0); (
468221.8, 3760735.7, 287.0, 939.0, 0.0);
(467721.8, 3760835.7, 280.2, 914.0, 0.0); (
467821.8, 3760835.7, 282.1, 914.0, 0.0);
(467921.8, 3760835.7, 286.9, 914.0, 0.0); (
468021.8, 3760835.7, 284.0, 914.0, 0.0);
(468121.8, 3760835.7, 284.8, 914.0, 0.0); (
468221.8, 3760835.7, 286.0, 924.0, 0.0);
(467721.8, 3760935.7, 279.4, 914.0, 0.0); (
467821.8, 3760935.7, 280.0, 914.0, 0.0);
(467921.8, 3760935.7, 281.2, 914.0, 0.0); (
468021.8, 3760935.7, 282.4, 914.0, 0.0);
(468121.8, 3760935.7, 284.0, 914.0, 0.0); (
468221.8, 3760935.7, 285.0, 914.0, 0.0);
(467721.8, 3761035.7, 288.0, 914.0, 0.0); (
467821.8, 3761035.7, 279.2, 914.0, 0.0);
(467921.8, 3761035.7, 280.0, 914.0, 0.0); (
468021.8, 3761035.7, 281.0, 914.0, 0.0);
(468121.8, 3761035.7, 282.7, 914.0, 0.0); (
468221.8, 3761035.7, 284.1, 914.0, 0.0);
(467721.8, 3761135.7, 277.2, 914.0, 0.0); (
467821.8, 3761135.7, 278.0, 914.0, 0.0);
(467921.8, 3761135.7, 279.0, 914.0, 0.0); (
468021.8, 3761135.7, 280.0, 914.0, 0.0);
(468121.8, 3761135.7, 281.7, 914.0, 0.0); (
468221.8, 3761135.7, 283.0, 914.0, 0.0);
(467721.8, 3761235.7, 274.4, 914.0, 0.0); (
467821.8, 3761235.7, 276.0, 914.0, 0.0);
(467921.8, 3761235.7, 278.0, 914.0, 0.0); (
468021.8, 3761235.7, 279.0, 914.0, 0.0);
(468121.8, 3761235.7, 280.7, 914.0, 0.0); (
468221.8, 3761235.7, 282.1, 914.0, 0.0);
(467299.5, 3761159.7, 269.3, 592.0, 0.0); (
467829.6, 3760661.5, 283.0, 914.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(467826.4, 3760642.4, 282.8, 914.0, 0.0); (467826.8, 3760623.3, 282.4, 914.0, 0.0);
(467867.2, 3760685.2, 284.3, 914.0, 0.0); (467870.7, 3760660.4, 284.4, 914.0, 0.0);
(467873.6, 3760638.8, 284.5, 914.0, 0.0); (467875.5, 3760611.6, 283.7, 914.0, 0.0);
(467890.2, 3760591.8, 284.0, 914.0, 0.0); (467902.6, 3760574.2, 284.3, 914.0, 0.0);
(467852.3, 3760310.0, 287.7, 914.0, 0.0); (467887.8, 3760311.2, 288.0, 914.0, 0.0);
(467919.7, 3760310.4, 289.0, 914.0, 0.0); (467957.2, 3760309.6, 289.2, 914.0, 0.0);
(468003.5, 3760309.6, 290.0, 914.0, 0.0); (468051.4, 3760311.6, 290.9, 924.0, 0.0);
(468086.5, 3760312.8, 291.4, 939.0, 0.0); (468126.0, 3760311.2, 291.0, 939.0, 0.0);
(468154.3, 3760312.4, 290.0, 939.0, 0.0); (467934.7, 3760865.5, 285.5, 914.0, 0.0);
(467954.7, 3760841.6, 285.8, 914.0, 0.0); (467977.0, 3760812.0, 285.3, 914.0, 0.0);
(467995.0, 3760788.1, 285.4, 914.0, 0.0); (468017.8, 3760766.5, 285.7, 914.0, 0.0);
(468178.1, 3760581.8, 288.0, 939.0, 0.0); (468258.1, 3760499.0, 289.9, 939.0, 0.0);
(467788.7, 3760754.4, 283.1, 914.0, 0.0); (467866.4, 3760800.2, 285.2, 914.0, 0.0);
(467880.8, 3760783.6, 285.4, 914.0, 0.0); (467904.0, 3760761.6, 285.7, 914.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

```
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

Surface file: ..\kral_sfc_pfl\KRAL_V11_trimmed.sfc
Met Version: 22112
Profile file: ..\kral_sfc_pfl\KRAL_V11_trimmed.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 3171 Upper air station no.:
3190
Name: UNKNOWN Name:
UNKNOWN
Year: 2019 Year:
2019

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
19	01	01	1	01	-53.7	0.548	-9.000	-9.000	-999.	974.	330.7	0.12	0.58	1.00	6.14	44.	10.1	281.4	2.0
19	01	01	1	02	-48.4	0.493	-9.000	-9.000	-999.	836.	267.9	0.12	0.58	1.00	5.55	44.	10.1	281.4	2.0
19	01	01	1	03	-32.2	0.327	-9.000	-9.000	-999.	472.	117.6	0.12	0.58	1.00	3.74	38.	10.1	280.3	2.0
19	01	01	1	04	-14.7	0.169	-9.000	-9.000	-999.	190.	31.3	0.09	0.58	1.00	2.16	71.	10.1	279.8	2.0
19	01	01	1	05	-36.7	0.372	-9.000	-9.000	-999.	544.	151.9	0.12	0.58	1.00	4.23	38.	10.1	279.8	2.0
19	01	01	1	06	-51.0	0.517	-9.000	-9.000	-999.	891.	293.6	0.12	0.58	1.00	5.80	35.	10.1	280.3	2.0
19	01	01	1	07	-59.7	0.605	-9.000	-9.000	-999.	1126.	402.0	0.11	0.58	1.00	6.91	29.	10.1	280.3	2.0
19	01	01	1	08	-36.5	0.495	-9.000	-9.000	-999.	848.	293.2	0.11	0.58	0.53	5.67	12.	10.1	280.9	2.0
19	01	01	1	09	19.5	0.330	0.399	0.005	115.	478.	-162.7	0.11	0.58	0.31	3.56	20.	10.1	282.5	2.0
19	01	01	1	10	54.7	0.536	0.694	0.005	216.	942.	-249.1	0.11	0.58	0.24	5.87	27.	10.1	283.8	2.0
19	01	01	1	11	79.0	0.654	0.988	0.005	431.	1268.	-313.1	0.11	0.58	0.21	7.20	17.	10.1	284.2	2.0
19	01	01	1	12	90.7	0.632	1.268	0.005	794.	1209.	-246.0	0.11	0.58	0.20	6.92	13.	10.1	284.8	2.0
19	01	01	1	13	89.3	0.608	1.309	0.005	886.	1141.	-222.3	0.11	0.58	0.20	6.64	16.	10.1	285.3	2.0

```
 19 01 01   1 14   74.8  0.549  1.265  0.005  955.  982.   -195.3  0.11
0.58   0.22    5.97   13.   10.1  285.3    2.0
 19 01 01   1 15   47.9  0.620  1.106  0.005  997. 1170.   -439.1  0.11
0.58   0.25    6.87   16.   10.1  285.3    2.0
 19 01 01   1 16   10.9  0.545  0.678  0.005 1006.  973.  -1306.5  0.11
0.58   0.34    6.11   22.   10.1  284.8    2.0
 19 01 01   1 17  -36.8  0.408 -9.000 -9.000 -999.  642.    183.0  0.11
0.58   0.62    4.73   14.   10.1  283.8    2.0
 19 01 01   1 18  -38.4  0.392 -9.000 -9.000 -999.  590.    169.0  0.11
0.58   1.00    4.56   20.   10.1  282.5    2.0
 19 01 01   1 19  -28.7  0.292 -9.000 -9.000 -999.  385.     93.9  0.11
0.58   1.00    3.44   18.   10.1  282.5    2.0
 19 01 01   1 20  -24.6  0.250 -9.000 -9.000 -999.  301.     68.7  0.12
0.58   1.00    2.89   44.   10.1  282.0    2.0
 19 01 01   1 21  -11.6  0.148 -9.000 -9.000 -999.  142.     25.0  0.09
0.58   1.00    1.92   81.   10.1  280.3    2.0
 19 01 01   1 22   -7.9  0.120 -9.000 -9.000 -999.  100.     19.5  0.07
0.58   1.00    1.67  208.   10.1  279.2    2.0
 19 01 01   1 23  -16.1  0.176 -9.000 -9.000 -999.  178.     34.2  0.09
0.58   1.00    2.25   82.   10.1  279.2    2.0
 19 01 01   1 24  -23.1  0.233 -9.000 -9.000 -999.  270.     59.9  0.09
0.58   1.00    2.93   63.   10.1  280.3    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 19 01 01 01   10.1 1   44.    6.14   281.5   99.0  -99.00  -99.00

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE
CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000023 ,
A0000024 , A0000025 , A0000026 , A0000027 ,
A0000028 , A0000029 , A0000030 , A0000031 ,
A0000032 , A0000033 , A0000034 , A0000035 ,
A0000036 , A0000037 , A0000038 , A0000016 ,
A0000017 , A0000018 , A0000019 , A0000020 ,
A0000021 , A0000022 , CONST_AREA ,

*** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
466821.85	3760535.68	0.00362	466841.85	3760535.68	0.00377
466861.85	3760535.68	0.00392	466881.85	3760535.68	0.00405
466901.85	3760535.68	0.00417	466921.85	3760535.68	0.00427
466941.85	3760535.68	0.00433	466961.85	3760535.68	0.00435
466981.85	3760535.68	0.00433	467001.85	3760535.68	0.00423
467021.85	3760535.68	0.00405	467041.85	3760535.68	0.00383
467061.85	3760535.68	0.00356	467081.85	3760535.68	0.00324
467101.85	3760535.68	0.00290	467121.85	3760535.68	0.00256
467141.85	3760535.68	0.00223	467161.85	3760535.68	0.00193
467181.85	3760535.68	0.00168	467201.85	3760535.68	0.00148
467221.85	3760535.68	0.00134	467241.85	3760535.68	0.00125
467261.85	3760535.68	0.00120	467281.85	3760535.68	0.00117
467301.85	3760535.68	0.00117	467321.85	3760535.68	0.00118

467341.85 3760535.68 0.00119
467361.85 3760535.68 0.00121
467381.85 3760535.68 0.00124
466821.85 3760555.68 0.00397
466841.85 3760555.68 0.00417
466861.85 3760555.68 0.00437
466881.85 3760555.68 0.00455
466901.85 3760555.68 0.00473
466921.85 3760555.68 0.00488
466941.85 3760555.68 0.00500
466961.85 3760555.68 0.00505
466981.85 3760555.68 0.00505
467001.85 3760555.68 0.00497
467021.85 3760555.68 0.00479
467041.85 3760555.68 0.00453
467061.85 3760555.68 0.00421
467081.85 3760555.68 0.00385
467101.85 3760555.68 0.00343
467121.85 3760555.68 0.00303
467141.85 3760555.68 0.00264
467161.85 3760555.68 0.00227
467181.85 3760555.68 0.00197
467201.85 3760555.68 0.00175
467221.85 3760555.68 0.00159
467241.85 3760555.68 0.00149
467261.85 3760555.68 0.00145
467281.85 3760555.68 0.00143
467301.85 3760555.68 0.00143
467321.85 3760555.68 0.00146
467341.85 3760555.68 0.00148
467361.85 3760555.68 0.00151
467381.85 3760555.68 0.00155
466821.85 3760575.68 0.00435
466841.85 3760575.68 0.00461
466861.85 3760575.68 0.00487
466881.85 3760575.68 0.00512
466901.85 3760575.68 0.00537
466921.85 3760575.68 0.00560
466941.85 3760575.68 0.00579
466961.85 3760575.68 0.00590
466981.85 3760575.68 0.00595
467001.85 3760575.68 0.00590
467021.85 3760575.68 0.00574
467041.85 3760575.68 0.00543
467061.85 3760575.68 0.00506
467081.85 3760575.68 0.00462
467101.85 3760575.68 0.00413
467121.85 3760575.68 0.00364
467141.85 3760575.68 0.00317
467161.85 3760575.68 0.00272
467181.85 3760575.68 0.00236
467201.85 3760575.68 0.00210
467221.85 3760575.68 0.00194
467241.85 3760575.68 0.00184

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE
CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000023 ,
A0000024 , A0000025 , A0000026 , A0000027 ,
A0000028 , A0000029 , A0000030 , A0000031 ,
A0000032 , A0000033 , A0000034 , A0000035 ,
A0000036 , A0000037 , A0000038 , A0000016 ,
A0000017 , A0000018 , A0000019 , A0000020 ,
A0000021 , A0000022 , CONST_AREA ,

*** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
467261.85	3760575.68	0.00179	467281.85	3760575.68	0.00180
467301.85	3760575.68	0.00182	467321.85	3760575.68	0.00185
467341.85	3760575.68	0.00190	467361.85	3760575.68	0.00194
467381.85	3760575.68	0.00197	466821.85	3760595.68	0.00473
466841.85	3760595.68	0.00507	466861.85	3760595.68	0.00541
466881.85	3760595.68	0.00576	466901.85	3760595.68	0.00611
466921.85	3760595.68	0.00644	466941.85	3760595.68	0.00674
466961.85	3760595.68	0.00697	466981.85	3760595.68	0.00709
467001.85	3760595.68	0.00709	467021.85	3760595.68	0.00694
467041.85	3760595.68	0.00660	467061.85	3760595.68	0.00617
467081.85	3760595.68	0.00566	467101.85	3760595.68	0.00509
467121.85	3760595.68	0.00449	467141.85	3760595.68	0.00389
467161.85	3760595.68	0.00336	467181.85	3760595.68	0.00292

467201.85 3760595.68 0.00260
467221.85 3760595.68 0.00242
467241.85 3760595.68 0.00234
467261.85 3760595.68 0.00232
467281.85 3760595.68 0.00234
467301.85 3760595.68 0.00238
467321.85 3760595.68 0.00243
467341.85 3760595.68 0.00248
467361.85 3760595.68 0.00253
467381.85 3760595.68 0.00257
466821.85 3760615.68 0.00512
466841.85 3760615.68 0.00554
466861.85 3760615.68 0.00599
466881.85 3760615.68 0.00646
466901.85 3760615.68 0.00694
466921.85 3760615.68 0.00742
466941.85 3760615.68 0.00788
466961.85 3760615.68 0.00828
466981.85 3760615.68 0.00855
467001.85 3760615.68 0.00865
467021.85 3760615.68 0.00853
467041.85 3760615.68 0.00819
467061.85 3760615.68 0.00769
467081.85 3760615.68 0.00708
467101.85 3760615.68 0.00641
467121.85 3760615.68 0.00568
467141.85 3760615.68 0.00493
467161.85 3760615.68 0.00429
467181.85 3760615.68 0.00375
467201.85 3760615.68 0.00336
467221.85 3760615.68 0.00317
467241.85 3760615.68 0.00311
467261.85 3760615.68 0.00312
467281.85 3760615.68 0.00315
467301.85 3760615.68 0.00322
467321.85 3760615.68 0.00328
467341.85 3760615.68 0.00332
467361.85 3760615.68 0.00335
467381.85 3760615.68 0.00337
466821.85 3760635.68 0.00550
466841.85 3760635.68 0.00602
466861.85 3760635.68 0.00659
466881.85 3760635.68 0.00720
466901.85 3760635.68 0.00786
466921.85 3760635.68 0.00855
466941.85 3760635.68 0.00924
466961.85 3760635.68 0.00989
466981.85 3760635.68 0.01042
467001.85 3760635.68 0.01073
467021.85 3760635.68 0.01070
467041.85 3760635.68 0.01041
467061.85 3760635.68 0.00985
467081.85 3760635.68 0.00910
467101.85 3760635.68 0.00832

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE
CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000023 ,
A0000024 , A0000025 , A0000026 , A0000027 ,
A0000028 , A0000029 , A0000030 , A0000031 ,
A0000032 , A0000033 , A0000034 , A0000035 ,
A0000036 , A0000037 , A0000038 , A0000016 ,
A0000017 , A0000018 , A0000019 , A0000020 ,
A0000021 , A0000022 , CONST_AREA ,

*** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
467121.85	3760635.68	0.00743	467141.85	3760635.68	0.00651
467161.85	3760635.68	0.00571	467181.85	3760635.68	0.00505
467201.85	3760635.68	0.00461	467221.85	3760635.68	0.00440
467241.85	3760635.68	0.00433	467261.85	3760635.68	0.00434
467281.85	3760635.68	0.00443	467301.85	3760635.68	0.00448
467321.85	3760635.68	0.00450	467341.85	3760635.68	0.00453
467361.85	3760635.68	0.00450	467381.85	3760635.68	0.00445
466821.85	3760655.68	0.00584	466841.85	3760655.68	0.00647
466861.85	3760655.68	0.00718	466881.85	3760655.68	0.00797
466901.85	3760655.68	0.00885	466921.85	3760655.68	0.00982
466941.85	3760655.68	0.01086	466961.85	3760655.68	0.01190
466981.85	3760655.68	0.01286	467001.85	3760655.68	0.01354
467021.85	3760655.68	0.01373	467041.85	3760655.68	0.01354

467061.85 3760655.68 0.01296
467081.85 3760655.68 0.01214
467101.85 3760655.68 0.01129
467121.85 3760655.68 0.01026
467141.85 3760655.68 0.00912
467161.85 3760655.68 0.00809
467181.85 3760655.68 0.00721
467201.85 3760655.68 0.00663
467221.85 3760655.68 0.00639
467241.85 3760655.68 0.00636
467261.85 3760655.68 0.00640
467281.85 3760655.68 0.00645
467301.85 3760655.68 0.00642
467321.85 3760655.68 0.00632
467341.85 3760655.68 0.00620
467361.85 3760655.68 0.00605
467381.85 3760655.68 0.00589
466821.85 3760675.68 0.00613
466841.85 3760675.68 0.00687
466861.85 3760675.68 0.00772
466881.85 3760675.68 0.00871
466901.85 3760675.68 0.00986
466921.85 3760675.68 0.01119
466941.85 3760675.68 0.01271
466961.85 3760675.68 0.01438
466981.85 3760675.68 0.01609
467001.85 3760675.68 0.01752
467021.85 3760675.68 0.01825
467041.85 3760675.68 0.01829
467061.85 3760675.68 0.01783
467081.85 3760675.68 0.01710
467101.85 3760675.68 0.01635
467121.85 3760675.68 0.01530
467141.85 3760675.68 0.01397
467161.85 3760675.68 0.01259
467181.85 3760675.68 0.01125
467201.85 3760675.68 0.01034
467221.85 3760675.68 0.00997
467241.85 3760675.68 0.00988
467261.85 3760675.68 0.00980
467281.85 3760675.68 0.00959
467301.85 3760675.68 0.00926
467321.85 3760675.68 0.00886
467341.85 3760675.68 0.00846
467361.85 3760675.68 0.00807
467381.85 3760675.68 0.00770
466821.85 3760695.68 0.00636
466841.85 3760695.68 0.00719
466861.85 3760695.68 0.00819
466881.85 3760695.68 0.00938
466901.85 3760695.68 0.01082
466921.85 3760695.68 0.01256
466941.85 3760695.68 0.01471
466961.85 3760695.68 0.01733

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE
CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000023 ,
A0000024 , A0000025 , A0000026 , A0000027 ,
A0000028 , A0000029 , A0000030 , A0000031 ,
A0000032 , A0000033 , A0000034 , A0000035 ,
A0000036 , A0000037 , A0000038 , A0000016 ,
A0000017 , A0000018 , A0000019 , A0000020 ,
A0000021 , A0000022 , CONST_AREA ,

*** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

X-COORD (M) Y-COORD (M) CONC X-
COORD (M) Y-COORD (M) CONC
- -
- -
466981.85 3760695.68 0.02042
467001.85 3760695.68 0.02352
467021.85 3760695.68 0.02557
467041.85 3760695.68 0.02634
467061.85 3760695.68 0.02652
467081.85 3760695.68 0.02643
467101.85 3760695.68 0.02629
467121.85 3760695.68 0.02561
467141.85 3760695.68 0.02428
467161.85 3760695.68 0.02227
467181.85 3760695.68 0.01979
467201.85 3760695.68 0.01784
467221.85 3760695.68 0.01693
467241.85 3760695.68 0.01627
467261.85 3760695.68 0.01540
467281.85 3760695.68 0.01428
467301.85 3760695.68 0.01320
467321.85 3760695.68 0.01222
467341.85 3760695.68 0.01139
467361.85 3760695.68 0.01058
467381.85 3760695.68 0.00983
466821.85 3760715.68 0.00650
466841.85 3760715.68 0.00743
466861.85 3760715.68 0.00855
466881.85 3760715.68 0.00992
466901.85 3760715.68 0.01163

466921.85 3760715.68 0.01381
466941.85 3760715.68 0.01666
466961.85 3760715.68 0.02054
466981.85 3760715.68 0.02606
467001.85 3760715.68 0.03364
467021.85 3760715.68 0.03984
467041.85 3760715.68 0.04430
467061.85 3760715.68 0.04792
467081.85 3760715.68 0.04988
467101.85 3760715.68 0.05074
467121.85 3760715.68 0.05067
467141.85 3760715.68 0.04940
467161.85 3760715.68 0.04629
467181.85 3760715.68 0.04082
467201.85 3760715.68 0.03479
467221.85 3760715.68 0.03107
467241.85 3760715.68 0.02724
467261.85 3760715.68 0.02379
467281.85 3760715.68 0.02078
467301.85 3760715.68 0.01841
467321.85 3760715.68 0.01650
467341.85 3760715.68 0.01487
467361.85 3760715.68 0.01350
467381.85 3760715.68 0.01235
466821.85 3760735.68 0.00657
466841.85 3760735.68 0.00757
466861.85 3760735.68 0.00879
466881.85 3760735.68 0.01031
466901.85 3760735.68 0.01225
466921.85 3760735.68 0.01481
466941.85 3760735.68 0.01832
466961.85 3760735.68 0.02347
466981.85 3760735.68 0.03210
467001.85 3760735.68 0.05163
467201.85 3760735.68 0.09565
467221.85 3760735.68 0.05940
467241.85 3760735.68 0.04354
467261.85 3760735.68 0.03456
467281.85 3760735.68 0.02847
467301.85 3760735.68 0.02427
467321.85 3760735.68 0.02113
467341.85 3760735.68 0.01856
467361.85 3760735.68 0.01657
467381.85 3760735.68 0.01496
466821.85 3760755.68 0.00656
466841.85 3760755.68 0.00761
466861.85 3760755.68 0.00891
466881.85 3760755.68 0.01055
466901.85 3760755.68 0.01267
466921.85 3760755.68 0.01552
466941.85 3760755.68 0.01952
466961.85 3760755.68 0.02559
466981.85 3760755.68 0.03622
467001.85 3760755.68 0.06214

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE
CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000023 ,
A0000024 , A0000025 , A0000026 , A0000027 ,
A0000028 , A0000029 , A0000030 , A0000031 ,
A0000032 , A0000033 , A0000034 , A0000035 ,
A0000036 , A0000037 , A0000038 , A0000016 ,
A0000017 , A0000018 , A0000019 , A0000020 ,
A0000021 , A0000022 , CONST_AREA ,

*** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
467201.85	3760755.68	0.15629	467221.85	3760755.68	0.08690
467241.85	3760755.68	0.05882	467261.85	3760755.68	0.04440
467281.85	3760755.68	0.03531	467301.85	3760755.68	0.02932
467321.85	3760755.68	0.02500	467341.85	3760755.68	0.02157
467361.85	3760755.68	0.01903	467381.85	3760755.68	0.01702
466821.85	3760775.68	0.00648	466841.85	3760775.68	0.00756
466861.85	3760775.68	0.00891	466881.85	3760775.68	0.01063
466901.85	3760775.68	0.01288	466921.85	3760775.68	0.01592
466941.85	3760775.68	0.02024	466961.85	3760775.68	0.02689
466981.85	3760775.68	0.03847	467001.85	3760775.68	0.06608
467201.85	3760775.68	0.17057	467221.85	3760775.68	0.09773
467241.85	3760775.68	0.06728	467261.85	3760775.68	0.05095
467281.85	3760775.68	0.04053	467301.85	3760775.68	0.03335

467321.85 3760775.68 0.02812
467341.85 3760775.68 0.02419
467361.85 3760775.68 0.02122
467381.85 3760775.68 0.01887
466821.85 3760795.68 0.00633
466841.85 3760795.68 0.00742
466861.85 3760795.68 0.00879
466881.85 3760795.68 0.01055
466901.85 3760795.68 0.01288
466921.85 3760795.68 0.01603
466941.85 3760795.68 0.02053
466961.85 3760795.68 0.02746
466981.85 3760795.68 0.03948
467001.85 3760795.68 0.06728
467201.85 3760795.68 0.17675
467221.85 3760795.68 0.10305
467241.85 3760795.68 0.07179
467261.85 3760795.68 0.05473
467281.85 3760795.68 0.04390
467301.85 3760795.68 0.03619
467321.85 3760795.68 0.03047
467341.85 3760795.68 0.02622
467361.85 3760795.68 0.02295
467381.85 3760795.68 0.02034
466821.85 3760815.68 0.00610
466841.85 3760815.68 0.00719
466861.85 3760815.68 0.00855
466881.85 3760815.68 0.01032
466901.85 3760815.68 0.01267
466921.85 3760815.68 0.01587
466941.85 3760815.68 0.02043
466961.85 3760815.68 0.02741
466981.85 3760815.68 0.03966
467001.85 3760815.68 0.06702
467201.85 3760815.68 0.18040
467221.85 3760815.68 0.10755
467241.85 3760815.68 0.07501
467261.85 3760815.68 0.05704
467281.85 3760815.68 0.04595
467301.85 3760815.68 0.03810
467321.85 3760815.68 0.03224
467341.85 3760815.68 0.02772
467361.85 3760815.68 0.02422
467381.85 3760815.68 0.02141
466821.85 3760835.68 0.00582
466841.85 3760835.68 0.00687
466861.85 3760835.68 0.00819
466881.85 3760835.68 0.00992
466901.85 3760835.68 0.01223
466921.85 3760835.68 0.01542
466941.85 3760835.68 0.01999
466961.85 3760835.68 0.02699
466981.85 3760835.68 0.03906
467001.85 3760835.68 0.06577

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE
CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000023 ,
A0000024 , A0000025 , A0000026 , A0000027 ,
A0000028 , A0000029 , A0000030 , A0000031 ,
A0000032 , A0000033 , A0000034 , A0000035 ,
A0000036 , A0000037 , A0000038 , A0000016 ,
A0000017 , A0000018 , A0000019 , A0000020 ,
A0000021 , A0000022 , CONST_AREA ,

*** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
467201.85	3760835.68	0.18178	467221.85	3760835.68	0.10899
467241.85	3760835.68	0.07680	467261.85	3760835.68	0.05887
467281.85	3760835.68	0.04716	467301.85	3760835.68	0.03906
467321.85	3760835.68	0.03307	467341.85	3760835.68	0.02842
467361.85	3760835.68	0.02481	467381.85	3760835.68	0.02189
466821.85	3760855.68	0.00547	466841.85	3760855.68	0.00646
466861.85	3760855.68	0.00773	466881.85	3760855.68	0.00938
466901.85	3760855.68	0.01160	466921.85	3760855.68	0.01472
466941.85	3760855.68	0.01922	466961.85	3760855.68	0.02613
466981.85	3760855.68	0.03799	467001.85	3760855.68	0.06431
467201.85	3760855.68	0.18658	467221.85	3760855.68	0.10974
467241.85	3760855.68	0.07751	467261.85	3760855.68	0.05962
467281.85	3760855.68	0.04756	467301.85	3760855.68	0.03932

467321.85 3760855.68 0.03328
467341.85 3760855.68 0.02862
467361.85 3760855.68 0.02493
467381.85 3760855.68 0.02191
466821.85 3760875.68 0.00509
466841.85 3760875.68 0.00599
466861.85 3760875.68 0.00717
466881.85 3760875.68 0.00872
466901.85 3760875.68 0.01081
466921.85 3760875.68 0.01377
466941.85 3760875.68 0.01809
466961.85 3760875.68 0.02482
466981.85 3760875.68 0.03652
467001.85 3760875.68 0.06271
467201.85 3760875.68 0.19264
467221.85 3760875.68 0.10999
467241.85 3760875.68 0.07718
467261.85 3760875.68 0.05926
467281.85 3760875.68 0.04717
467301.85 3760875.68 0.03891
467321.85 3760875.68 0.03287
467341.85 3760875.68 0.02834
467361.85 3760875.68 0.02459
467381.85 3760875.68 0.02146
466821.85 3760895.68 0.00468
466841.85 3760895.68 0.00549
466861.85 3760895.68 0.00655
466881.85 3760895.68 0.00794
466901.85 3760895.68 0.00985
466921.85 3760895.68 0.01255
466941.85 3760895.68 0.01658
466961.85 3760895.68 0.02302
466981.85 3760895.68 0.03437
467001.85 3760895.68 0.05968
467201.85 3760895.68 0.19169
467221.85 3760895.68 0.11026
467241.85 3760895.68 0.07649
467261.85 3760895.68 0.05803
467281.85 3760895.68 0.04626
467301.85 3760895.68 0.03790
467321.85 3760895.68 0.03177
467341.85 3760895.68 0.02758
467361.85 3760895.68 0.02394
467381.85 3760895.68 0.02082
466821.85 3760915.68 0.00427
466841.85 3760915.68 0.00499
466861.85 3760915.68 0.00590
466881.85 3760915.68 0.00712
466901.85 3760915.68 0.00879
466921.85 3760915.68 0.01115
466941.85 3760915.68 0.01474
466961.85 3760915.68 0.02066
466981.85 3760915.68 0.03138
467001.85 3760915.68 0.05575

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE
CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000023 ,
A0000024 , A0000025 , A0000026 , A0000027 ,
A0000028 , A0000029 , A0000030 , A0000031 ,
A0000032 , A0000033 , A0000034 , A0000035 ,
A0000036 , A0000037 , A0000038 , A0000016 ,
A0000017 , A0000018 , A0000019 , A0000020 ,
A0000021 , A0000022 , CONST_AREA ,

*** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
467201.85	3760915.68	0.18880	467221.85	3760915.68	0.10821
467241.85	3760915.68	0.07427	467261.85	3760915.68	0.05573
467281.85	3760915.68	0.04420	467301.85	3760915.68	0.03614
467321.85	3760915.68	0.03025	467341.85	3760915.68	0.02607
467361.85	3760915.68	0.02246	467381.85	3760915.68	0.01954
466821.85	3760935.68	0.00388	466841.85	3760935.68	0.00449
466861.85	3760935.68	0.00527	466881.85	3760935.68	0.00629
466901.85	3760935.68	0.00769	466921.85	3760935.68	0.00965
466941.85	3760935.68	0.01266	466961.85	3760935.68	0.01772
466981.85	3760935.68	0.02728	467001.85	3760935.68	0.05035
467201.85	3760935.68	0.18263	467221.85	3760935.68	0.10248
467241.85	3760935.68	0.06940	467261.85	3760935.68	0.05166
467281.85	3760935.68	0.04058	467301.85	3760935.68	0.03328

467321.85 3760935.68 0.02784
467341.85 3760935.68 0.02366
467361.85 3760935.68 0.02036
467381.85 3760935.68 0.01772
466821.85 3760955.68 0.00351
466841.85 3760955.68 0.00403
466861.85 3760955.68 0.00467
466881.85 3760955.68 0.00551
466901.85 3760955.68 0.00662
466921.85 3760955.68 0.00816
466941.85 3760955.68 0.01046
466961.85 3760955.68 0.01427
466981.85 3760955.68 0.02177
467001.85 3760955.68 0.04163
467201.85 3760955.68 0.17014
467221.85 3760955.68 0.09097
467241.85 3760955.68 0.05984
467261.85 3760955.68 0.04424
467281.85 3760955.68 0.03498
467301.85 3760955.68 0.02862
467321.85 3760955.68 0.02406
467341.85 3760955.68 0.02055
467361.85 3760955.68 0.01777
467381.85 3760955.68 0.01548
466821.85 3760975.68 0.00318
466841.85 3760975.68 0.00360
466861.85 3760975.68 0.00413
466881.85 3760975.68 0.00479
466901.85 3760975.68 0.00565
466921.85 3760975.68 0.00681
466941.85 3760975.68 0.00843
466961.85 3760975.68 0.01093
466981.85 3760975.68 0.01551
467001.85 3760975.68 0.02666
467201.85 3760975.68 0.12523
467221.85 3760975.68 0.06644
467241.85 3760975.68 0.04498
467261.85 3760975.68 0.03429
467281.85 3760975.68 0.02771
467301.85 3760975.68 0.02312
467321.85 3760975.68 0.01972
467341.85 3760975.68 0.01708
467361.85 3760975.68 0.01494
467381.85 3760975.68 0.01309
466821.85 3760995.68 0.00286
466841.85 3760995.68 0.00321
466861.85 3760995.68 0.00364
466881.85 3760995.68 0.00416
466901.85 3760995.68 0.00480
466921.85 3760995.68 0.00564
466941.85 3760995.68 0.00674
466961.85 3760995.68 0.00826
466981.85 3760995.68 0.01055
467001.85 3760995.68 0.01391

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE
CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000023 ,
A0000024 , A0000025 , A0000026 , A0000027 ,
A0000028 , A0000029 , A0000030 , A0000031 ,
A0000032 , A0000033 , A0000034 , A0000035 ,
A0000036 , A0000037 , A0000038 , A0000016 ,
A0000017 , A0000018 , A0000019 , A0000020 ,
A0000021 , A0000022 , CONST_AREA ,

*** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
467021.85	3760995.68	0.01851	467041.85	3760995.68	0.02507
467061.85	3760995.68	0.03188	467081.85	3760995.68	0.03737
467101.85	3760995.68	0.04079	467121.85	3760995.68	0.04310
467141.85	3760995.68	0.04449	467161.85	3760995.68	0.04510
467181.85	3760995.68	0.04361	467201.85	3760995.68	0.04039
467221.85	3760995.68	0.03472	467241.85	3760995.68	0.02855
467261.85	3760995.68	0.02379	467281.85	3760995.68	0.02028
467301.85	3760995.68	0.01756	467321.85	3760995.68	0.01539
467341.85	3760995.68	0.01363	467361.85	3760995.68	0.01214
467381.85	3760995.68	0.01078	466821.85	3761015.68	0.00257
466841.85	3761015.68	0.00286	466861.85	3761015.68	0.00320
466881.85	3761015.68	0.00360	466901.85	3761015.68	0.00408
466921.85	3761015.68	0.00467	466941.85	3761015.68	0.00540

466961.85 3761015.68 0.00630
466981.85 3761015.68 0.00741
467001.85 3761015.68 0.00871
467021.85 3761015.68 0.01021
467041.85 3761015.68 0.01193
467061.85 3761015.68 0.01391
467081.85 3761015.68 0.01584
467101.85 3761015.68 0.01742
467121.85 3761015.68 0.01864
467141.85 3761015.68 0.01944
467161.85 3761015.68 0.01985
467181.85 3761015.68 0.01975
467201.85 3761015.68 0.01926
467221.85 3761015.68 0.01837
467241.85 3761015.68 0.01709
467261.85 3761015.68 0.01561
467281.85 3761015.68 0.01415
467301.85 3761015.68 0.01281
467321.85 3761015.68 0.01162
467341.85 3761015.68 0.01055
467361.85 3761015.68 0.00962
467381.85 3761015.68 0.00869
466821.85 3761035.68 0.00231
466841.85 3761035.68 0.00253
466861.85 3761035.68 0.00280
466881.85 3761035.68 0.00311
466901.85 3761035.68 0.00346
466921.85 3761035.68 0.00388
466941.85 3761035.68 0.00435
466961.85 3761035.68 0.00489
466981.85 3761035.68 0.00548
467001.85 3761035.68 0.00610
467021.85 3761035.68 0.00676
467041.85 3761035.68 0.00746
467061.85 3761035.68 0.00821
467081.85 3761035.68 0.00898
467101.85 3761035.68 0.00969
467121.85 3761035.68 0.01030
467141.85 3761035.68 0.01077
467161.85 3761035.68 0.01111
467181.85 3761035.68 0.01129
467201.85 3761035.68 0.01128
467221.85 3761035.68 0.01114
467241.85 3761035.68 0.01085
467261.85 3761035.68 0.01042
467281.85 3761035.68 0.00986
467301.85 3761035.68 0.00927
467321.85 3761035.68 0.00868
467341.85 3761035.68 0.00808
467361.85 3761035.68 0.00753
467381.85 3761035.68 0.00693
466821.85 3761055.68 0.00206
466841.85 3761055.68 0.00225
466861.85 3761055.68 0.00246

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE
CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000023 ,
A0000024 , A0000025 , A0000026 , A0000027 ,
A0000028 , A0000029 , A0000030 , A0000031 ,
A0000032 , A0000033 , A0000034 , A0000035 ,
A0000036 , A0000037 , A0000038 , A0000016 ,
A0000017 , A0000018 , A0000019 , A0000020 ,
A0000021 , A0000022 , CONST_AREA ,

*** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
466881.85	3761055.68	0.00269	466901.85	3761055.68	0.00294
466921.85	3761055.68	0.00323	466941.85	3761055.68	0.00355
466961.85	3761055.68	0.00388	466981.85	3761055.68	0.00422
467001.85	3761055.68	0.00455	467021.85	3761055.68	0.00488
467041.85	3761055.68	0.00522	467061.85	3761055.68	0.00557
467081.85	3761055.68	0.00592	467101.85	3761055.68	0.00626
467121.85	3761055.68	0.00657	467141.85	3761055.68	0.00685
467161.85	3761055.68	0.00710	467181.85	3761055.68	0.00731
467201.85	3761055.68	0.00740	467221.85	3761055.68	0.00743
467241.85	3761055.68	0.00739	467261.85	3761055.68	0.00727
467281.85	3761055.68	0.00707	467301.85	3761055.68	0.00682
467321.85	3761055.68	0.00654	467341.85	3761055.68	0.00622
467361.85	3761055.68	0.00591	467381.85	3761055.68	0.00553

466821.85 3761075.68 0.00184
466841.85 3761075.68 0.00199
466861.85 3761075.68 0.00215
466881.85 3761075.68 0.00233
466901.85 3761075.68 0.00252
466921.85 3761075.68 0.00272
466941.85 3761075.68 0.00293
466961.85 3761075.68 0.00314
466981.85 3761075.68 0.00334
467001.85 3761075.68 0.00353
467021.85 3761075.68 0.00372
467041.85 3761075.68 0.00390
467061.85 3761075.68 0.00408
467081.85 3761075.68 0.00426
467101.85 3761075.68 0.00443
467121.85 3761075.68 0.00461
467141.85 3761075.68 0.00477
467161.85 3761075.68 0.00494
467181.85 3761075.68 0.00513
467201.85 3761075.68 0.00523
467221.85 3761075.68 0.00529
467241.85 3761075.68 0.00532
467261.85 3761075.68 0.00531
467281.85 3761075.68 0.00525
467301.85 3761075.68 0.00515
467321.85 3761075.68 0.00502
467341.85 3761075.68 0.00486
467361.85 3761075.68 0.00468
467381.85 3761075.68 0.00449
466821.85 3761095.68 0.00165
466841.85 3761095.68 0.00176
466861.85 3761095.68 0.00189
466881.85 3761095.68 0.00202
466901.85 3761095.68 0.00216
466921.85 3761095.68 0.00230
466941.85 3761095.68 0.00244
466961.85 3761095.68 0.00258
466981.85 3761095.68 0.00271
467001.85 3761095.68 0.00283
467021.85 3761095.68 0.00294
467041.85 3761095.68 0.00304
467061.85 3761095.68 0.00314
467081.85 3761095.68 0.00324
467101.85 3761095.68 0.00334
467121.85 3761095.68 0.00345
467141.85 3761095.68 0.00355
467161.85 3761095.68 0.00367
467181.85 3761095.68 0.00382
467201.85 3761095.68 0.00390
467221.85 3761095.68 0.00396
467241.85 3761095.68 0.00400
467261.85 3761095.68 0.00403
467281.85 3761095.68 0.00402
467301.85 3761095.68 0.00399

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE
CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000023 ,
A0000024 , A0000025 , A0000026 , A0000027 ,
A0000028 , A0000029 , A0000030 , A0000031 ,
A0000032 , A0000033 , A0000034 , A0000035 ,
A0000036 , A0000037 , A0000038 , A0000016 ,
A0000017 , A0000018 , A0000019 , A0000020 ,
A0000021 , A0000022 , CONST_AREA ,

*** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

X-COORD (M) Y-COORD (M) CONC X-
COORD (M) Y-COORD (M) CONC
- -
- -
467321.85 3761095.68 0.00393
467341.85 3761095.68 0.00385
467361.85 3761095.68 0.00375
467381.85 3761095.68 0.00365
466821.85 3761115.68 0.00148
466841.85 3761115.68 0.00157
466861.85 3761115.68 0.00166
466881.85 3761115.68 0.00176
466901.85 3761115.68 0.00187
466921.85 3761115.68 0.00197
466941.85 3761115.68 0.00207
466961.85 3761115.68 0.00216
466981.85 3761115.68 0.00225
467001.85 3761115.68 0.00233
467021.85 3761115.68 0.00241
467041.85 3761115.68 0.00247
467061.85 3761115.68 0.00254
467081.85 3761115.68 0.00260
467101.85 3761115.68 0.00266
467121.85 3761115.68 0.00272
467141.85 3761115.68 0.00279
467161.85 3761115.68 0.00287
467181.85 3761115.68 0.00297
467201.85 3761115.68 0.00304
467221.85 3761115.68 0.00307
467241.85 3761115.68 0.00311

467261.85 3761115.68 0.00314
467281.85 3761115.68 0.00316
467301.85 3761115.68 0.00316
467321.85 3761115.68 0.00314
467341.85 3761115.68 0.00310
467361.85 3761115.68 0.00305
467381.85 3761115.68 0.00299
466821.85 3761135.68 0.00132
466841.85 3761135.68 0.00140
466861.85 3761135.68 0.00147
466881.85 3761135.68 0.00155
466901.85 3761135.68 0.00163
466921.85 3761135.68 0.00170
466941.85 3761135.68 0.00177
466961.85 3761135.68 0.00185
466981.85 3761135.68 0.00193
467001.85 3761135.68 0.00203
467021.85 3761135.68 0.00206
467041.85 3761135.68 0.00210
467061.85 3761135.68 0.00214
467081.85 3761135.68 0.00218
467101.85 3761135.68 0.00222
467121.85 3761135.68 0.00226
467141.85 3761135.68 0.00231
467161.85 3761135.68 0.00236
467181.85 3761135.68 0.00241
467201.85 3761135.68 0.00242
467221.85 3761135.68 0.00244
467241.85 3761135.68 0.00247
467261.85 3761135.68 0.00251
467281.85 3761135.68 0.00253
467301.85 3761135.68 0.00254
467321.85 3761135.68 0.00254
467341.85 3761135.68 0.00253
467361.85 3761135.68 0.00251
467381.85 3761135.68 0.00248
466821.85 3761155.68 0.00119
466841.85 3761155.68 0.00125
466861.85 3761155.68 0.00131
466881.85 3761155.68 0.00137
466901.85 3761155.68 0.00143
466921.85 3761155.68 0.00149
466941.85 3761155.68 0.00156
466961.85 3761155.68 0.00165
466981.85 3761155.68 0.00166
467001.85 3761155.68 0.00166
467021.85 3761155.68 0.00167
467041.85 3761155.68 0.00168
467061.85 3761155.68 0.00170
467081.85 3761155.68 0.00172
467101.85 3761155.68 0.00175
467121.85 3761155.68 0.00178
467141.85 3761155.68 0.00181
467161.85 3761155.68 0.00185

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE
CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000023 ,
A0000024 , A0000025 , A0000026 , A0000027 ,
A0000028 , A0000029 , A0000030 , A0000031 ,
A0000032 , A0000033 , A0000034 , A0000035 ,
A0000036 , A0000037 , A0000038 , A0000016 ,
A0000017 , A0000018 , A0000019 , A0000020 ,
A0000021 , A0000022 , CONST_AREA ,

*** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
467181.85	3761155.68	0.00189	467201.85	3761155.68	0.00193
467221.85	3761155.68	0.00197	467241.85	3761155.68	0.00201
467261.85	3761155.68	0.00204	467281.85	3761155.68	0.00206
467301.85	3761155.68	0.00208	467321.85	3761155.68	0.00209
467341.85	3761155.68	0.00209	467361.85	3761155.68	0.00209
467381.85	3761155.68	0.00207	466821.85	3761175.68	0.00107
466841.85	3761175.68	0.00112	466861.85	3761175.68	0.00117
466881.85	3761175.68	0.00123	466901.85	3761175.68	0.00129
466921.85	3761175.68	0.00138	466941.85	3761175.68	0.00139
466961.85	3761175.68	0.00138	466981.85	3761175.68	0.00139
467001.85	3761175.68	0.00139	467021.85	3761175.68	0.00140
467041.85	3761175.68	0.00141	467061.85	3761175.68	0.00142
467081.85	3761175.68	0.00143	467101.85	3761175.68	0.00145

467121.85 3761175.68 0.00147
467141.85 3761175.68 0.00150
467161.85 3761175.68 0.00153
467181.85 3761175.68 0.00156
467201.85 3761175.68 0.00159
467221.85 3761175.68 0.00162
467241.85 3761175.68 0.00166
467261.85 3761175.68 0.00168
467281.85 3761175.68 0.00171
467301.85 3761175.68 0.00172
467321.85 3761175.68 0.00174
467341.85 3761175.68 0.00175
467361.85 3761175.68 0.00175
467381.85 3761175.68 0.00175
466771.85 3760235.68 0.00100
466821.85 3760235.68 0.00100
466871.85 3760235.68 0.00099
466921.85 3760235.68 0.00096
466971.85 3760235.68 0.00090
467021.85 3760235.68 0.00079
467071.85 3760235.68 0.00066
467121.85 3760235.68 0.00053
467171.85 3760235.68 0.00041
467221.85 3760235.68 0.00033
467271.85 3760235.68 0.00028
467321.85 3760235.68 0.00025
467371.85 3760235.68 0.00023
467421.85 3760235.68 0.00022
467471.85 3760235.68 0.00021
467521.85 3760235.68 0.00021
467571.85 3760235.68 0.00021
467621.85 3760235.68 0.00021
467671.85 3760235.68 0.00022
466771.85 3760285.68 0.00120
466821.85 3760285.68 0.00120
466871.85 3760285.68 0.00119
466921.85 3760285.68 0.00116
466971.85 3760285.68 0.00109
467021.85 3760285.68 0.00097
467071.85 3760285.68 0.00081
467121.85 3760285.68 0.00064
467171.85 3760285.68 0.00050
467221.85 3760285.68 0.00039
467271.85 3760285.68 0.00033
467321.85 3760285.68 0.00029
467371.85 3760285.68 0.00027
467421.85 3760285.68 0.00026
467471.85 3760285.68 0.00025
467521.85 3760285.68 0.00025
467571.85 3760285.68 0.00026
467621.85 3760285.68 0.00026
467671.85 3760285.68 0.00028
466771.85 3760335.68 0.00145
466821.85 3760335.68 0.00146

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE
CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000023 ,
A0000024 , A0000025 , A0000026 , A0000027 ,
A0000028 , A0000029 , A0000030 , A0000031 ,
A0000032 , A0000033 , A0000034 , A0000035 ,
A0000036 , A0000037 , A0000038 , A0000016 ,
A0000017 , A0000018 , A0000019 , A0000020 ,
A0000021 , A0000022 , CONST_AREA ,

*** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

X-COORD (M) Y-COORD (M) CONC X-
COORD (M) Y-COORD (M) CONC
- -
- -
466871.85 3760335.68 0.00146
466921.85 3760335.68 0.00144
466971.85 3760335.68 0.00136
467021.85 3760335.68 0.00121
467071.85 3760335.68 0.00101
467121.85 3760335.68 0.00079
467171.85 3760335.68 0.00060
467221.85 3760335.68 0.00047
467271.85 3760335.68 0.00039
467321.85 3760335.68 0.00035
467371.85 3760335.68 0.00032
467421.85 3760335.68 0.00031
467471.85 3760335.68 0.00031
467521.85 3760335.68 0.00032
467571.85 3760335.68 0.00033
467621.85 3760335.68 0.00034
467671.85 3760335.68 0.00036
466771.85 3760385.68 0.00176
466821.85 3760385.68 0.00181
466871.85 3760385.68 0.00183
466921.85 3760385.68 0.00181
466971.85 3760385.68 0.00173
467021.85 3760385.68 0.00155
467071.85 3760385.68 0.00129
467121.85 3760385.68 0.00100
467171.85 3760385.68 0.00074

467221.85 3760385.68 0.00057
467271.85 3760385.68 0.00048
467321.85 3760385.68 0.00043
467371.85 3760385.68 0.00041
467421.85 3760385.68 0.00040
467471.85 3760385.68 0.00040
467521.85 3760385.68 0.00042
467571.85 3760385.68 0.00044
467621.85 3760385.68 0.00046
467671.85 3760385.68 0.00048
466771.85 3760435.68 0.00217
466821.85 3760435.68 0.00226
466871.85 3760435.68 0.00233
466921.85 3760435.68 0.00235
466971.85 3760435.68 0.00227
467021.85 3760435.68 0.00205
467071.85 3760435.68 0.00170
467121.85 3760435.68 0.00130
467171.85 3760435.68 0.00095
467221.85 3760435.68 0.00072
467271.85 3760435.68 0.00060
467321.85 3760435.68 0.00055
467371.85 3760435.68 0.00054
467421.85 3760435.68 0.00054
467471.85 3760435.68 0.00056
467521.85 3760435.68 0.00059
467571.85 3760435.68 0.00062
467621.85 3760435.68 0.00065
467671.85 3760435.68 0.00068
466771.85 3760485.68 0.00266
466821.85 3760485.68 0.00286
466871.85 3760485.68 0.00302
466921.85 3760485.68 0.00312
466971.85 3760485.68 0.00307
467021.85 3760485.68 0.00281
467071.85 3760485.68 0.00234
467121.85 3760485.68 0.00177
467171.85 3760485.68 0.00127
467221.85 3760485.68 0.00095
467271.85 3760485.68 0.00081
467321.85 3760485.68 0.00076
467371.85 3760485.68 0.00077
467421.85 3760485.68 0.00080
467471.85 3760485.68 0.00084
467521.85 3760485.68 0.00088
467571.85 3760485.68 0.00093
467621.85 3760485.68 0.00096
467671.85 3760485.68 0.00098
466771.85 3760535.68 0.00323
467421.85 3760535.68 0.00130
467471.85 3760535.68 0.00136
467521.85 3760535.68 0.00141
467571.85 3760535.68 0.00144
467621.85 3760535.68 0.00145

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE
CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000023 ,
A0000024 , A0000025 , A0000026 , A0000027 ,
A0000028 , A0000029 , A0000030 , A0000031 ,
A0000032 , A0000033 , A0000034 , A0000035 ,
A0000036 , A0000037 , A0000038 , A0000016 ,
A0000017 , A0000018 , A0000019 , A0000020 ,
A0000021 , A0000022 , CONST_AREA ,

*** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
467671.85	3760535.68	0.00145	466771.85	3760585.68	0.00385
467421.85	3760585.68	0.00231	467471.85	3760585.68	0.00234
467521.85	3760585.68	0.00233	467571.85	3760585.68	0.00228
467621.85	3760585.68	0.00220	467671.85	3760585.68	0.00212
466771.85	3760635.68	0.00439	467421.85	3760635.68	0.00433
467471.85	3760635.68	0.00411	467521.85	3760635.68	0.00382
467571.85	3760635.68	0.00351	467621.85	3760635.68	0.00324
467671.85	3760635.68	0.00299	466771.85	3760685.68	0.00472
467421.85	3760685.68	0.00777	467471.85	3760685.68	0.00675
467521.85	3760685.68	0.00588	467571.85	3760685.68	0.00514
467621.85	3760685.68	0.00453	467671.85	3760685.68	0.00402
466771.85	3760735.68	0.00475	467421.85	3760735.68	0.01242
467471.85	3760735.68	0.01010	467521.85	3760735.68	0.00836

467571.85 3760735.68 0.00704
467621.85 3760735.68 0.00604
467671.85 3760735.68 0.00520
466771.85 3760785.68 0.00450
467421.85 3760785.68 0.01576
467471.85 3760785.68 0.01216
467521.85 3760785.68 0.00967
467571.85 3760785.68 0.00786
467621.85 3760785.68 0.00650
467671.85 3760785.68 0.00544
466771.85 3760835.68 0.00403
467421.85 3760835.68 0.01717
467471.85 3760835.68 0.01305
467521.85 3760835.68 0.01018
467571.85 3760835.68 0.00817
467621.85 3760835.68 0.00669
467671.85 3760835.68 0.00556
466771.85 3760885.68 0.00342
467421.85 3760885.68 0.01628
467471.85 3760885.68 0.01226
467521.85 3760885.68 0.00956
467571.85 3760885.68 0.00765
467621.85 3760885.68 0.00626
467671.85 3760885.68 0.00521
466771.85 3760935.68 0.00282
467421.85 3760935.68 0.01346
467471.85 3760935.68 0.01020
467521.85 3760935.68 0.00807
467571.85 3760935.68 0.00649
467621.85 3760935.68 0.00534
467671.85 3760935.68 0.00449
466771.85 3760985.68 0.00229
467421.85 3760985.68 0.00949
467471.85 3760985.68 0.00751
467521.85 3760985.68 0.00607
467571.85 3760985.68 0.00500
467621.85 3760985.68 0.00420
467671.85 3760985.68 0.00361
466771.85 3761035.68 0.00185
467421.85 3761035.68 0.00596
467471.85 3761035.68 0.00499
467521.85 3761035.68 0.00423
467571.85 3761035.68 0.00358
467621.85 3761035.68 0.00308
467671.85 3761035.68 0.00268
466771.85 3761085.68 0.00146
467421.85 3761085.68 0.00368
467471.85 3761085.68 0.00328
467521.85 3761085.68 0.00290
467571.85 3761085.68 0.00251
467621.85 3761085.68 0.00221
467671.85 3761085.68 0.00200
466771.85 3761135.68 0.00115
467421.85 3761135.68 0.00236

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE
CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000023 ,
A0000024 , A0000025 , A0000026 , A0000027 ,
A0000028 , A0000029 , A0000030 , A0000031 ,
A0000032 , A0000033 , A0000034 , A0000035 ,
A0000036 , A0000037 , A0000038 , A0000016 ,
A0000017 , A0000018 , A0000019 , A0000020 ,
A0000021 , A0000022 , CONST_AREA ,

*** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
467471.85	3761135.68	0.00217	467521.85	3761135.68	0.00196
467571.85	3761135.68	0.00179	467621.85	3761135.68	0.00166
467671.85	3761135.68	0.00155	466771.85	3761185.68	0.00092
466821.85	3761185.68	0.00102	466871.85	3761185.68	0.00114
466921.85	3761185.68	0.00128	466971.85	3761185.68	0.00128
467021.85	3761185.68	0.00129	467071.85	3761185.68	0.00131
467121.85	3761185.68	0.00135	467171.85	3761185.68	0.00141
467221.85	3761185.68	0.00149	467271.85	3761185.68	0.00155
467321.85	3761185.68	0.00159	467371.85	3761185.68	0.00161
467421.85	3761185.68	0.00154	467471.85	3761185.68	0.00146
467521.85	3761185.68	0.00139	467571.85	3761185.68	0.00137
467621.85	3761185.68	0.00132	467671.85	3761185.68	0.00123
466771.85	3761235.68	0.00073	466821.85	3761235.68	0.00079

466871.85 3761235.68 0.00084
466921.85 3761235.68 0.00088
466971.85 3761235.68 0.00090
467021.85 3761235.68 0.00090
467071.85 3761235.68 0.00090
467121.85 3761235.68 0.00092
467171.85 3761235.68 0.00096
467221.85 3761235.68 0.00100
467271.85 3761235.68 0.00104
467321.85 3761235.68 0.00106
467371.85 3761235.68 0.00105
467421.85 3761235.68 0.00102
467471.85 3761235.68 0.00104
467521.85 3761235.68 0.00109
467571.85 3761235.68 0.00107
467621.85 3761235.68 0.00103
467671.85 3761235.68 0.00098
466771.85 3761285.68 0.00059
466821.85 3761285.68 0.00062
466871.85 3761285.68 0.00065
466921.85 3761285.68 0.00066
466971.85 3761285.68 0.00066
467021.85 3761285.68 0.00066
467071.85 3761285.68 0.00066
467121.85 3761285.68 0.00067
467171.85 3761285.68 0.00070
467221.85 3761285.68 0.00072
467271.85 3761285.68 0.00074
467321.85 3761285.68 0.00075
467371.85 3761285.68 0.00076
467421.85 3761285.68 0.00076
467471.85 3761285.68 0.00078
467521.85 3761285.68 0.00082
467571.85 3761285.68 0.00082
467621.85 3761285.68 0.00081
467671.85 3761285.68 0.00079
467721.85 3760235.68 0.00023
467821.85 3760235.68 0.00025
467921.85 3760235.68 0.00028
468021.85 3760235.68 0.00030
468121.85 3760235.68 0.00032
468221.85 3760235.68 0.00033
467721.85 3760335.68 0.00038
467821.85 3760335.68 0.00077
467921.85 3760335.68 0.00084
468021.85 3760335.68 0.00089
468121.85 3760335.68 0.00091
468221.85 3760335.68 0.00094
467721.85 3760435.68 0.00071
467821.85 3760435.68 0.00096
467921.85 3760435.68 0.00078
468021.85 3760435.68 0.00076
468121.85 3760435.68 0.00075
468221.85 3760435.68 0.00072

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE
CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000023 ,
A0000024 , A0000025 , A0000026 , A0000027 ,
A0000028 , A0000029 , A0000030 , A0000031 ,
A0000032 , A0000033 , A0000034 , A0000035 ,
A0000036 , A0000037 , A0000038 , A0000016 ,
A0000017 , A0000018 , A0000019 , A0000020 ,
A0000021 , A0000022 , CONST_AREA ,

*** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
467721.85	3760535.68	0.00144	467821.85	3760535.68	0.00159
467921.85	3760535.68	0.00131	468021.85	3760535.68	0.00118
468121.85	3760535.68	0.00108	468221.85	3760535.68	0.00099
467721.85	3760635.68	0.00278	467821.85	3760635.68	0.00253
467921.85	3760635.68	0.00198	468021.85	3760635.68	0.00169
468121.85	3760635.68	0.00145	468221.85	3760635.68	0.00127
467721.85	3760735.68	0.00454	467821.85	3760735.68	0.00345
467921.85	3760735.68	0.00256	468021.85	3760735.68	0.00207
468121.85	3760735.68	0.00173	468221.85	3760735.68	0.00146
467721.85	3760835.68	0.00469	467821.85	3760835.68	0.00346
467921.85	3760835.68	0.00263	468021.85	3760835.68	0.00213
468121.85	3760835.68	0.00174	468221.85	3760835.68	0.00145
467721.85	3760935.68	0.00381	467821.85	3760935.68	0.00287

467921.85 3760935.68 0.00225
468021.85 3760935.68 0.00181
468121.85 3760935.68 0.00150
468221.85 3760935.68 0.00126
467721.85 3761035.68 0.00227
467821.85 3761035.68 0.00193
467921.85 3761035.68 0.00159
468021.85 3761035.68 0.00133
468121.85 3761035.68 0.00113
468221.85 3761035.68 0.00098
467721.85 3761135.68 0.00144
467821.85 3761135.68 0.00122
467921.85 3761135.68 0.00105
468021.85 3761135.68 0.00092
468121.85 3761135.68 0.00081
468221.85 3761135.68 0.00073
467721.85 3761235.68 0.00093
467821.85 3761235.68 0.00083
467921.85 3761235.68 0.00073
468021.85 3761235.68 0.00066
468121.85 3761235.68 0.00060
468221.85 3761235.68 0.00054
467299.51 3761159.70 0.00200
467829.63 3760661.47 0.00273
467826.42 3760642.38 0.00256
467826.75 3760623.29 0.00238
467867.23 3760685.18 0.00264
467870.69 3760660.39 0.00241
467873.57 3760638.77 0.00221
467875.48 3760611.64 0.00198
467890.19 3760591.75 0.00177
467902.58 3760574.16 0.00160
467852.27 3760310.02 0.00049
467887.79 3760311.22 0.00053
467919.71 3760310.42 0.00053
467957.21 3760309.62 0.00054
468003.50 3760309.62 0.00055
468051.38 3760311.62 0.00057
468086.49 3760312.82 0.00059
468125.99 3760311.22 0.00058
468154.32 3760312.42 0.00059
467934.74 3760865.52 0.00249
467954.70 3760841.58 0.00244
467977.04 3760812.05 0.00237
467995.00 3760788.10 0.00228
468017.75 3760766.55 0.00215
468178.09 3760581.76 0.00118
468258.14 3760499.02 0.00086
467788.67 3760754.43 0.00371
467866.38 3760800.22 0.00308
467880.77 3760783.56 0.00295
467903.95 3760761.63 0.00275

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , A0000029 , A0000030 , A0000031 , A0000032 , A0000033 , A0000034 , A0000035 , A0000036 , A0000037 , A0000038 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 , A0000022 , CONST_AREA ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
466821.85	3760535.68	0.83480	(19121908)	466841.85	3760535.68	0.89378	(19121908)
466861.85	3760535.68	0.93635	(19121908)	466881.85	3760535.68	0.95712	(19121908)
466901.85	3760535.68	1.02095	(22113008)	466921.85	3760535.68	1.13671	(22113008)
466941.85	3760535.68	1.22321	(22113008)	466961.85	3760535.68	1.26888	(22113008)
466981.85	3760535.68	1.26694	(22113008)	467001.85	3760535.68	1.21597	(22113008)
467021.85	3760535.68	1.27138	(20012008)	467041.85	3760535.68	1.31408	(20012008)
467061.85	3760535.68	1.29804	(20012008)	467081.85	3760535.68	1.22684	(20012008)
467101.85	3760535.68	1.10758	(20012008)	467121.85	3760535.68	0.95079	(20012008)
467141.85	3760535.68	0.92450	(23022708)	467161.85	3760535.68	1.01141	(23022708)
467181.85	3760535.68	1.06034	(23022708)	467201.85	3760535.68	1.06540	(23022708)
467221.85	3760535.68	1.02527	(23022708)	467241.85	3760535.68	1.01896	(23122208)
467261.85	3760535.68	1.05666	(23122208)	467281.85	3760535.68	1.06719	(23122208)
467301.85	3760535.68	1.03096	(23122208)	467321.85	3760535.68	0.95834	(23122208)

467341.85 3760535.68 0.86841 (23122208)
467361.85 3760535.68 0.78944 (23122908)
467381.85 3760535.68 0.72178 (23122908)
466821.85 3760555.68 0.88943 (22123008)
466841.85 3760555.68 0.91172 (19121908)
466861.85 3760555.68 0.97611 (19121908)
466881.85 3760555.68 1.02064 (19121908)
466901.85 3760555.68 1.03869 (19121908)
466921.85 3760555.68 1.16359 (22113008)
466941.85 3760555.68 1.27950 (22113008)
466961.85 3760555.68 1.35418 (22113008)
466981.85 3760555.68 1.37680 (22113008)
467001.85 3760555.68 1.34287 (22113008)
467021.85 3760555.68 1.35132 (20012008)
467041.85 3760555.68 1.40921 (20012008)
467061.85 3760555.68 1.40242 (20012008)
467081.85 3760555.68 1.33497 (20012008)
467101.85 3760555.68 1.21297 (20012008)
467121.85 3760555.68 1.04771 (20012008)
467141.85 3760555.68 1.02574 (23022708)
467161.85 3760555.68 1.11080 (23022708)
467181.85 3760555.68 1.15228 (23022708)
467201.85 3760555.68 1.14408 (23022708)
467221.85 3760555.68 1.08475 (23022708)
467241.85 3760555.68 1.08611 (23122208)
467261.85 3760555.68 1.14389 (23122208)
467281.85 3760555.68 1.12521 (23122208)
467301.85 3760555.68 1.06191 (23122208)
467321.85 3760555.68 0.96518 (23122208)
467341.85 3760555.68 0.86006 (23122908)
467361.85 3760555.68 0.79160 (23122908)
467381.85 3760555.68 0.71126 (23122908)
466821.85 3760575.68 1.00516 (22123008)
466841.85 3760575.68 0.98423 (22123008)
466861.85 3760575.68 1.00140 (19121908)
466881.85 3760575.68 1.07216 (19121908)
466901.85 3760575.68 1.11839 (19121908)
466921.85 3760575.68 1.17950 (22113008)
466941.85 3760575.68 1.32862 (22113008)
466961.85 3760575.68 1.43837 (22113008)
466981.85 3760575.68 1.49206 (22113008)
467001.85 3760575.68 1.48133 (22113008)
467021.85 3760575.68 1.44037 (20012008)
467041.85 3760575.68 1.51558 (20012008)
467061.85 3760575.68 1.51898 (20012008)
467081.85 3760575.68 1.45649 (20012008)
467101.85 3760575.68 1.33353 (20012008)
467121.85 3760575.68 1.16047 (20012008)
467141.85 3760575.68 1.14104 (23022708)
467161.85 3760575.68 1.22257 (23022708)
467181.85 3760575.68 1.25426 (23022708)
467201.85 3760575.68 1.22938 (23022708)
467221.85 3760575.68 1.16378 (23122208)
467241.85 3760575.68 1.19424 (23122208)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE
CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000023 ,
A0000024 , A0000025 , A0000026 , A0000027 ,
A0000028 , A0000029 , A0000030 , A0000031 ,
A0000032 , A0000033 , A0000034 , A0000035 ,
A0000036 , A0000037 , A0000038 , A0000016 ,
A0000017 , A0000018 , A0000019 , A0000020 ,
A0000021 , A0000022 , CONST_AREA ,

*** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
467261.85	3760575.68	1.22822	(23122208)	467281.85	3760575.68	1.16852	(23122208)
467301.85	3760575.68	1.07685	(23122208)	467321.85	3760575.68	0.95752	(23122208)
467341.85	3760575.68	0.86254	(23122908)	467361.85	3760575.68	0.77949	(23122908)
467381.85	3760575.68	0.69003	(23122908)	466821.85	3760595.68	1.11275	(22123008)
466841.85	3760595.68	1.11407	(22123008)	466861.85	3760595.68	1.09670	(22123008)
466881.85	3760595.68	1.10701	(19121908)	466901.85	3760595.68	1.18573	(19121908)
466921.85	3760595.68	1.23335	(19121908)	466941.85	3760595.68	1.36762	(22113008)
466961.85	3760595.68	1.51907	(22113008)	466981.85	3760595.68	1.61232	(22113008)
467001.85	3760595.68	1.63199	(22113008)	467021.85	3760595.68	1.57728	(22113008)
467041.85	3760595.68	1.63579	(20012008)	467061.85	3760595.68	1.65091	(20012008)
467081.85	3760595.68	1.59449	(20012008)	467101.85	3760595.68	1.47388	(20012008)
467121.85	3760595.68	1.29423	(20012008)	467141.85	3760595.68	1.27317	(23022708)
467161.85	3760595.68	1.34994	(23022708)	467181.85	3760595.68	1.36944	(23022708)

467201.85 3760595.68 1.32308 (23022708)
467221.85 3760595.68 1.30007 (23122208)
467241.85 3760595.68 1.30605 (23122208)
467261.85 3760595.68 1.25674 (23122208)
467281.85 3760595.68 1.16230 (23122208)
467301.85 3760595.68 1.07881 (23122208)
467321.85 3760595.68 0.94919 (23122908)
467341.85 3760595.68 0.85879 (23122908)
467361.85 3760595.68 0.75783 (23122908)
467381.85 3760595.68 0.70265 (21123108)
466821.85 3760615.68 1.20415 (22123008)
466841.85 3760615.68 1.23245 (22123008)
466861.85 3760615.68 1.24331 (22123008)
466881.85 3760615.68 1.23274 (22123008)
466901.85 3760615.68 1.23422 (19121908)
466921.85 3760615.68 1.32231 (19121908)
466941.85 3760615.68 1.39225 (22113008)
466961.85 3760615.68 1.59323 (22113008)
466981.85 3760615.68 1.73674 (22113008)
467001.85 3760615.68 1.79713 (22113008)
467021.85 3760615.68 1.76765 (22113008)
467041.85 3760615.68 1.77532 (20012008)
467061.85 3760615.68 1.80302 (20012008)
467081.85 3760615.68 1.75304 (20012008)
467101.85 3760615.68 1.63649 (20012008)
467121.85 3760615.68 1.45314 (20012008)
467141.85 3760615.68 1.42622 (23022708)
467161.85 3760615.68 1.49611 (23022708)
467181.85 3760615.68 1.50110 (23022708)
467201.85 3760615.68 1.42830 (23022708)
467221.85 3760615.68 1.44852 (23122208)
467241.85 3760615.68 1.41938 (23122208)
467261.85 3760615.68 1.32843 (23122208)
467281.85 3760615.68 1.19299 (23122208)
467301.85 3760615.68 1.03556 (23122208)
467321.85 3760615.68 0.94876 (23122908)
467341.85 3760615.68 0.83945 (23122908)
467361.85 3760615.68 0.77004 (21123108)
467381.85 3760615.68 0.75219 (21123108)
466821.85 3760635.68 1.27141 (22123008)
466841.85 3760635.68 1.33010 (22123008)
466861.85 3760635.68 1.37439 (22123008)
466881.85 3760635.68 1.39965 (22123008)
466901.85 3760635.68 1.40005 (22123008)
466921.85 3760635.68 1.39050 (19121908)
466941.85 3760635.68 1.49080 (19121908)
466961.85 3760635.68 1.65583 (22113008)
466981.85 3760635.68 1.86414 (22113008)
467001.85 3760635.68 1.98013 (22113008)
467021.85 3760635.68 1.98506 (22113008)
467041.85 3760635.68 1.94149 (20012008)
467061.85 3760635.68 1.98198 (20012008)
467081.85 3760635.68 1.93799 (20012008)
467101.85 3760635.68 1.82742 (20012008)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE
CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000023 ,
A0000024 , A0000025 , A0000026 , A0000027 ,
A0000028 , A0000029 , A0000030 , A0000031 ,
A0000032 , A0000033 , A0000034 , A0000035 ,
A0000036 , A0000037 , A0000038 , A0000016 ,
A0000017 , A0000018 , A0000019 , A0000020 ,
A0000021 , A0000022 , CONST_AREA ,

*** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
467121.85	3760635.68	1.64412	(20012008)	467141.85	3760635.68	1.60601	(23022708)
467161.85	3760635.68	1.66737	(23022708)	467181.85	3760635.68	1.65545	(23022708)
467201.85	3760635.68	1.60498	(23122208)	467221.85	3760635.68	1.61033	(23122208)
467241.85	3760635.68	1.53095	(23122208)	467261.85	3760635.68	1.38549	(23122208)
467281.85	3760635.68	1.20490	(23122208)	467301.85	3760635.68	1.02191	(23122908)
467321.85	3760635.68	0.93868	(23122908)	467341.85	3760635.68	0.84562	(21123108)
467361.85	3760635.68	0.82148	(21123108)	467381.85	3760635.68	0.79194	(21123108)
466821.85	3760655.68	1.31818	(22122908)	466841.85	3760655.68	1.39621	(22123008)
466861.85	3760655.68	1.47691	(22123008)	466881.85	3760655.68	1.54457	(22123008)
466901.85	3760655.68	1.59247	(22123008)	466921.85	3760655.68	1.61226	(22123008)
466941.85	3760655.68	1.59257	(22123008)	466961.85	3760655.68	1.70548	(19121908)
466981.85	3760655.68	1.99114	(22113008)	467001.85	3760655.68	2.18617	(22113008)
467021.85	3760655.68	2.24019	(22113008)	467041.85	3760655.68	2.17178	(22113008)

467061.85 3760655.68 2.19715 (20012008)
467081.85 3760655.68 2.15958 (20012008)
467101.85 3760655.68 2.05725 (20012008)
467121.85 3760655.68 1.87847 (20012008)
467141.85 3760655.68 1.82296 (23022708)
467161.85 3760655.68 1.87527 (23022708)
467181.85 3760655.68 1.84337 (23022708)
467201.85 3760655.68 1.82826 (23122208)
467221.85 3760655.68 1.78216 (23122208)
467241.85 3760655.68 1.63401 (23122208)
467261.85 3760655.68 1.42285 (23122208)
467281.85 3760655.68 1.19291 (23122208)
467301.85 3760655.68 1.02912 (23122908)
467321.85 3760655.68 0.90338 (21123108)
467341.85 3760655.68 0.85528 (21123108)
467361.85 3760655.68 0.85696 (21123108)
467381.85 3760655.68 0.80340 (21123108)
466821.85 3760675.68 1.38878 (22122908)
466841.85 3760675.68 1.46076 (22122908)
466861.85 3760675.68 1.53937 (22123008)
466881.85 3760675.68 1.65026 (22123008)
466901.85 3760675.68 1.75211 (22123008)
466921.85 3760675.68 1.83642 (22123008)
466941.85 3760675.68 1.89092 (22123008)
466961.85 3760675.68 1.89482 (22123008)
466981.85 3760675.68 2.11049 (22113008)
467001.85 3760675.68 2.42514 (22113008)
467021.85 3760675.68 2.55532 (22113008)
467041.85 3760675.68 2.51228 (22113008)
467061.85 3760675.68 2.46997 (20012008)
467081.85 3760675.68 2.43747 (20012008)
467101.85 3760675.68 2.34497 (20012008)
467121.85 3760675.68 2.17601 (20012008)
467141.85 3760675.68 2.09881 (23022708)
467161.85 3760675.68 2.14224 (23022708)
467181.85 3760675.68 2.08813 (23022708)
467201.85 3760675.68 2.09646 (23122208)
467221.85 3760675.68 1.96606 (23122208)
467241.85 3760675.68 1.71802 (23122208)
467261.85 3760675.68 1.42899 (23122208)
467281.85 3760675.68 1.19680 (23122908)
467301.85 3760675.68 1.03859 (21123108)
467321.85 3760675.68 0.96903 (21123108)
467341.85 3760675.68 0.91088 (20121708)
467361.85 3760675.68 0.90222 (20121708)
467381.85 3760675.68 0.90699 (20121708)
466821.85 3760695.68 1.41604 (22122908)
466841.85 3760695.68 1.51594 (22122908)
466861.85 3760695.68 1.61713 (22122908)
466881.85 3760695.68 1.72029 (22122908)
466901.85 3760695.68 1.85689 (22123008)
466921.85 3760695.68 2.01049 (22123008)
466941.85 3760695.68 2.15722 (22123008)
466961.85 3760695.68 2.27921 (22123008)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE
CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000023 ,
A0000024 , A0000025 , A0000026 , A0000027 ,
A0000028 , A0000029 , A0000030 , A0000031 ,
A0000032 , A0000033 , A0000034 , A0000035 ,
A0000036 , A0000037 , A0000038 , A0000016 ,
A0000017 , A0000018 , A0000019 , A0000020 ,
A0000021 , A0000022 , CONST_AREA ,

*** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
466981.85	3760695.68	2.33836	(22123008)	467001.85	3760695.68	2.71359	(22113008)
467021.85	3760695.68	2.97969	(22113008)	467041.85	3760695.68	2.96637	(22113008)
467061.85	3760695.68	2.84411	(20012008)	467081.85	3760695.68	2.81436	(20012008)
467101.85	3760695.68	2.73231	(20012008)	467121.85	3760695.68	2.57940	(20012008)
467141.85	3760695.68	2.48243	(23022708)	467161.85	3760695.68	2.51823	(23022708)
467181.85	3760695.68	2.48619	(23122208)	467201.85	3760695.68	2.44095	(23122208)
467221.85	3760695.68	2.15419	(23122208)	467241.85	3760695.68	1.76273	(23122208)
467261.85	3760695.68	1.42313	(23122908)	467281.85	3760695.68	1.21388	(21123108)
467301.85	3760695.68	1.13266	(20121708)	467321.85	3760695.68	1.10081	(20121708)
467341.85	3760695.68	1.06651	(20121708)	467361.85	3760695.68	1.02833	(20121708)
467381.85	3760695.68	1.01062	(20121708)	466821.85	3760715.68	1.41594	(20011608)
466841.85	3760715.68	1.52170	(22122908)	466861.85	3760715.68	1.64952	(22122908)
466881.85	3760715.68	1.78671	(22122908)	466901.85	3760715.68	1.93555	(22122908)

466921.85 3760715.68 2.10365 (22123008)
466941.85 3760715.68 2.33967 (22123008)
466961.85 3760715.68 2.60466 (22123008)
466981.85 3760715.68 2.89638 (22123008)
467001.85 3760715.68 3.11716 (22123008)
467021.85 3760715.68 3.66918 (22113008)
467041.85 3760715.68 3.68324 (22113008)
467061.85 3760715.68 3.57427 (22113008)
467081.85 3760715.68 3.42843 (20012008)
467101.85 3760715.68 3.34323 (20012008)
467121.85 3760715.68 3.19922 (20012008)
467141.85 3760715.68 3.11057 (23022708)
467161.85 3760715.68 3.14048 (23022708)
467181.85 3760715.68 3.11734 (23122208)
467201.85 3760715.68 2.92720 (23122208)
467221.85 3760715.68 2.29917 (23122208)
467241.85 3760715.68 1.75082 (23122908)
467261.85 3760715.68 1.50697 (20121708)
467281.85 3760715.68 1.41313 (20121708)
467301.85 3760715.68 1.32843 (20121708)
467321.85 3760715.68 1.25225 (20121708)
467341.85 3760715.68 1.18207 (20121708)
467361.85 3760715.68 1.11791 (20121708)
467381.85 3760715.68 1.05838 (20121708)
466821.85 3760735.68 1.47041 (20010908)
466841.85 3760735.68 1.56228 (20010908)
466861.85 3760735.68 1.66265 (20010908)
466881.85 3760735.68 1.78859 (22122908)
466901.85 3760735.68 1.96600 (22122908)
466921.85 3760735.68 2.17444 (22122908)
466941.85 3760735.68 2.42320 (22122908)
466961.85 3760735.68 2.76791 (22123008)
466981.85 3760735.68 3.29215 (22123008)
467001.85 3760735.68 4.27095 (22123008)
467201.85 3760735.68 3.61027 (23122208)
467221.85 3760735.68 2.34038 (20121708)
467241.85 3760735.68 1.98441 (20121708)
467261.85 3760735.68 1.75392 (20121708)
467281.85 3760735.68 1.58195 (20121708)
467301.85 3760735.68 1.44955 (20121708)
467321.85 3760735.68 1.34098 (20121708)
467341.85 3760735.68 1.24532 (20121708)
467361.85 3760735.68 1.16299 (20121708)
467381.85 3760735.68 1.08929 (20121708)
466821.85 3760755.68 1.48192 (20010908)
466841.85 3760755.68 1.58572 (20010908)
466861.85 3760755.68 1.70389 (20010908)
466881.85 3760755.68 1.83572 (20010908)
466901.85 3760755.68 1.98850 (20010908)
466921.85 3760755.68 2.17883 (20010908)
466941.85 3760755.68 2.43831 (22122908)
466961.85 3760755.68 2.79249 (22122908)
466981.85 3760755.68 3.32857 (22123008)
467001.85 3760755.68 4.44882 (22123008)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE
CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000023 ,
A0000024 , A0000025 , A0000026 , A0000027 ,
A0000028 , A0000029 , A0000030 , A0000031 ,
A0000032 , A0000033 , A0000034 , A0000035 ,
A0000036 , A0000037 , A0000038 , A0000016 ,
A0000017 , A0000018 , A0000019 , A0000020 ,
A0000021 , A0000022 , CONST_AREA ,

*** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
467201.85	3760755.68	4.56293	(22120108)
467221.85	3760755.68	3.18229	(22120108)
467241.85	3760755.68	2.50716	(22120108)
467261.85	3760755.68	2.09673	(22120108)
467281.85	3760755.68	1.81281	(22120108)
467301.85	3760755.68	1.60768	(22120108)
467321.85	3760755.68	1.45055	(22120108)
467341.85	3760755.68	1.32285	(22120108)
467361.85	3760755.68	1.22118	(22120108)
467381.85	3760755.68	1.13690	(22120108)
466821.85	3760775.68	1.45590	(20010908)
466841.85	3760775.68	1.56902	(20010908)
466861.85	3760775.68	1.69484	(20010908)
466881.85	3760775.68	1.83707	(20010908)
466901.85	3760775.68	2.00192	(20010908)
466921.85	3760775.68	2.19805	(20010908)
466941.85	3760775.68	2.44591	(20010908)
466961.85	3760775.68	2.78042	(20010908)
466981.85	3760775.68	3.32515	(21020808)
467001.85	3760775.68	4.45577	(21020808)
467201.85	3760775.68	4.98631	(22120108)
467221.85	3760775.68	3.63326	(22120108)
467241.85	3760775.68	2.97373	(22120108)
467261.85	3760775.68	2.54720	(22120108)
467281.85	3760775.68	2.23364	(22120108)
467301.85	3760775.68	1.99158	(22120108)

467321.85 3760775.68 1.79881 (22120108)
467341.85 3760775.68 1.64233 (22120108)
467361.85 3760775.68 1.51446 (22120108)
467381.85 3760775.68 1.40672 (22120108)
466821.85 3760795.68 1.51182 (23120708)
466841.85 3760795.68 1.61840 (23120708)
466861.85 3760795.68 1.74038 (23120708)
466881.85 3760795.68 1.88746 (23120708)
466901.85 3760795.68 2.06548 (23120708)
466921.85 3760795.68 2.27737 (21020808)
466941.85 3760795.68 2.56493 (21020808)
466961.85 3760795.68 2.95157 (21020808)
466981.85 3760795.68 3.51896 (21020808)
467001.85 3760795.68 4.60725 (21020808)
467201.85 3760795.68 5.09975 (22120108)
467221.85 3760795.68 3.76872 (22120108)
467241.85 3760795.68 3.12964 (22120108)
467261.85 3760795.68 2.72156 (22120108)
467281.85 3760795.68 2.42518 (22120108)
467301.85 3760795.68 2.19021 (22120108)
467321.85 3760795.68 1.99817 (22120108)
467341.85 3760795.68 1.84035 (22120108)
467361.85 3760795.68 1.70764 (22120108)
467381.85 3760795.68 1.59324 (22120108)
466821.85 3760815.68 1.60493 (23120708)
466841.85 3760815.68 1.71313 (23120708)
466861.85 3760815.68 1.83811 (21020808)
466881.85 3760815.68 1.99082 (21020808)
466901.85 3760815.68 2.17323 (21020808)
466921.85 3760815.68 2.38633 (21020808)
466941.85 3760815.68 2.65374 (21020808)
466961.85 3760815.68 3.01281 (21020808)
466981.85 3760815.68 3.57447 (21020808)
467001.85 3760815.68 4.61335 (21020808)
467201.85 3760815.68 5.13402 (22120108)
467221.85 3760815.68 3.82773 (22120108)
467241.85 3760815.68 3.18648 (22120108)
467261.85 3760815.68 2.78082 (22120108)
467281.85 3760815.68 2.49581 (22120108)
467301.85 3760815.68 2.27370 (22120108)
467321.85 3760815.68 2.09287 (22120108)
467341.85 3760815.68 1.94119 (22120108)
467361.85 3760815.68 1.81262 (22120108)
467381.85 3760815.68 1.70046 (22120108)
466821.85 3760835.68 1.67090 (21020808)
466841.85 3760835.68 1.78251 (21020808)
466861.85 3760835.68 1.90429 (21020808)
466881.85 3760835.68 2.04638 (21020808)
466901.85 3760835.68 2.21578 (21020808)
466921.85 3760835.68 2.42503 (21020808)
466941.85 3760835.68 2.68623 (21020808)
466961.85 3760835.68 3.03497 (21020808)
466981.85 3760835.68 3.56613 (21020808)
467001.85 3760835.68 4.56629 (21020808)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE
CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000023 ,
A0000024 , A0000025 , A0000026 , A0000027 ,
A0000028 , A0000029 , A0000030 , A0000031 ,
A0000032 , A0000033 , A0000034 , A0000035 ,
A0000036 , A0000037 , A0000038 , A0000016 ,
A0000017 , A0000018 , A0000019 , A0000020 ,
A0000021 , A0000022 , CONST_AREA ,

*** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
467201.85	3760835.68	5.13418	(22120108)	467221.85	3760835.68	3.83681	(22120108)
467241.85	3760835.68	3.20451	(22120108)	467261.85	3760835.68	2.80638	(22120108)
467281.85	3760835.68	2.51993	(22120108)	467301.85	3760835.68	2.30207	(22120108)
467321.85	3760835.68	2.12731	(22120108)	467341.85	3760835.68	1.98142	(22120108)
467361.85	3760835.68	1.85823	(22120108)	467381.85	3760835.68	1.75084	(22120108)
466821.85	3760855.68	1.70637	(21020808)	466841.85	3760855.68	1.81211	(21020808)
466861.85	3760855.68	1.93062	(21020808)	466881.85	3760855.68	2.06690	(21020808)
466901.85	3760855.68	2.22863	(21020808)	466921.85	3760855.68	2.43695	(21020808)
466941.85	3760855.68	2.69586	(21020808)	466961.85	3760855.68	3.04039	(21020808)
466981.85	3760855.68	3.55351	(21020808)	467001.85	3760855.68	4.53496	(21020808)
467201.85	3760855.68	5.18273	(22120108)	467221.85	3760855.68	3.84113	(22120108)
467241.85	3760855.68	3.20968	(22120108)	467261.85	3760855.68	2.81422	(22120108)
467281.85	3760855.68	2.52655	(22120108)	467301.85	3760855.68	2.30992	(22120108)

467321.85 3760855.68 2.13773 (22120108)
467341.85 3760855.68 1.99545 (22120108)
467361.85 3760855.68 1.87447 (22120108)
467381.85 3760855.68 1.76910 (22120108)
466821.85 3760875.68 1.71423 (21020808)
466841.85 3760875.68 1.81460 (21020808)
466861.85 3760875.68 1.93526 (21020808)
466881.85 3760875.68 2.07167 (21020808)
466901.85 3760875.68 2.23197 (21020808)
466921.85 3760875.68 2.43914 (21020808)
466941.85 3760875.68 2.69713 (21020808)
466961.85 3760875.68 3.04097 (21020808)
466981.85 3760875.68 3.55359 (21020808)
467001.85 3760875.68 4.64715 (20012208)
467201.85 3760875.68 5.23074 (22120108)
467221.85 3760875.68 3.84685 (22120108)
467241.85 3760875.68 3.20903 (22120108)
467261.85 3760875.68 2.81342 (22120108)
467281.85 3760875.68 2.52556 (22120108)
467301.85 3760875.68 2.30874 (22120108)
467321.85 3760875.68 2.13671 (22120108)
467341.85 3760875.68 1.99593 (22120108)
467361.85 3760875.68 1.87394 (22120108)
467381.85 3760875.68 1.76717 (22120108)
466821.85 3760895.68 1.69879 (21020808)
466841.85 3760895.68 1.80235 (21020808)
466861.85 3760895.68 1.91948 (21020808)
466881.85 3760895.68 2.05771 (21020808)
466901.85 3760895.68 2.22337 (21020808)
466921.85 3760895.68 2.42415 (21020808)
466941.85 3760895.68 2.68359 (21020808)
466961.85 3760895.68 3.03725 (21020808)
466981.85 3760895.68 3.61921 (20012208)
467001.85 3760895.68 4.72805 (20012208)
467201.85 3760895.68 5.25033 (19010708)
467221.85 3760895.68 3.85836 (22120108)
467241.85 3760895.68 3.21013 (22120108)
467261.85 3760895.68 2.80686 (22120108)
467281.85 3760895.68 2.52036 (22120108)
467301.85 3760895.68 2.29913 (22120108)
467321.85 3760895.68 2.12194 (22120108)
467341.85 3760895.68 1.98047 (22120108)
467361.85 3760895.68 1.85514 (22120108)
467381.85 3760895.68 1.74534 (22120108)
466821.85 3760915.68 1.65342 (21020808)
466841.85 3760915.68 1.76045 (21020808)
466861.85 3760915.68 1.87737 (21020808)
466881.85 3760915.68 2.01928 (21020808)
466901.85 3760915.68 2.19155 (21020808)
466921.85 3760915.68 2.39210 (21020808)
466941.85 3760915.68 2.65616 (21020808)
466961.85 3760915.68 3.09381 (20012208)
466981.85 3760915.68 3.71484 (20012208)
467001.85 3760915.68 4.77510 (20012208)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE
CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000023 ,
A0000024 , A0000025 , A0000026 , A0000027 ,
A0000028 , A0000029 , A0000030 , A0000031 ,
A0000032 , A0000033 , A0000034 , A0000035 ,
A0000036 , A0000037 , A0000038 , A0000016 ,
A0000017 , A0000018 , A0000019 , A0000020 ,
A0000021 , A0000022 , CONST_AREA ,

*** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
467201.85	3760915.68	5.26761	(19010708)
467221.85	3760915.68	3.85433	(19010708)
467241.85	3760915.68	3.19527	(19010708)
467261.85	3760915.68	2.78154	(22120108)
467281.85	3760915.68	2.48906	(22120108)
467301.85	3760915.68	2.26218	(22120108)
467321.85	3760915.68	2.07882	(22120108)
467341.85	3760915.68	1.92768	(22120108)
467361.85	3760915.68	1.79660	(22120108)
467381.85	3760915.68	1.68367	(22120108)
466821.85	3760935.68	1.63886	(19121308)
466841.85	3760935.68	1.74671	(19121308)
466861.85	3760935.68	1.86151	(19121308)
466881.85	3760935.68	1.99897	(19121308)
466901.85	3760935.68	2.16446	(19121308)
466921.85	3760935.68	2.39248	(20012208)
466941.85	3760935.68	2.73689	(20012208)
466961.85	3760935.68	3.17395	(20012208)
466981.85	3760935.68	3.77212	(20012208)
467001.85	3760935.68	4.81245	(20012208)
467201.85	3760935.68	5.27375	(19010708)
467221.85	3760935.68	3.86603	(19010708)
467241.85	3760935.68	3.21847	(19010708)
467261.85	3760935.68	2.80811	(19010708)
467281.85	3760935.68	2.50656	(19010708)
467301.85	3760935.68	2.26601	(19010708)

467321.85 3760935.68 2.05612 (19010708)
467341.85 3760935.68 1.87281 (19010708)
467361.85 3760935.68 1.71339 (22011808)
467381.85 3760935.68 1.61841 (22011808)
466821.85 3760955.68 1.63006 (19121308)
466841.85 3760955.68 1.73104 (19121308)
466861.85 3760955.68 1.83946 (19121308)
466881.85 3760955.68 1.97095 (19121308)
466901.85 3760955.68 2.21247 (20012208)
466921.85 3760955.68 2.48122 (20012208)
466941.85 3760955.68 2.79948 (20012208)
466961.85 3760955.68 3.20600 (20012208)
466981.85 3760955.68 3.79648 (20012208)
467001.85 3760955.68 4.83195 (20012208)
467201.85 3760955.68 5.29697 (19010708)
467221.85 3760955.68 3.87339 (19010708)
467241.85 3760955.68 3.22722 (19010708)
467261.85 3760955.68 2.82365 (19010708)
467281.85 3760955.68 2.53195 (19010708)
467301.85 3760955.68 2.30063 (19010708)
467321.85 3760955.68 2.10322 (19010708)
467341.85 3760955.68 1.93480 (19010708)
467361.85 3760955.68 1.78416 (19010708)
467381.85 3760955.68 1.64135 (19010708)
466821.85 3760975.68 1.57563 (19121308)
466841.85 3760975.68 1.66321 (20012208)
466861.85 3760975.68 1.85389 (20012208)
466881.85 3760975.68 2.05903 (20012208)
466901.85 3760975.68 2.28435 (20012208)
466921.85 3760975.68 2.53699 (20012208)
466941.85 3760975.68 2.83585 (20012208)
466961.85 3760975.68 3.21873 (20012208)
466981.85 3760975.68 3.80083 (20012208)
467001.85 3760975.68 4.83687 (20012208)
467201.85 3760975.68 5.25421 (19010708)
467221.85 3760975.68 3.84160 (19010708)
467241.85 3760975.68 3.20878 (19010708)
467261.85 3760975.68 2.81603 (19010708)
467281.85 3760975.68 2.53363 (19010708)
467301.85 3760975.68 2.30970 (19010708)
467321.85 3760975.68 2.12533 (19010708)
467341.85 3760975.68 1.96875 (19010708)
467361.85 3760975.68 1.83128 (19010708)
467381.85 3760975.68 1.70112 (19010708)
466821.85 3760995.68 1.58951 (20012208)
466841.85 3760995.68 1.75342 (20012208)
466861.85 3760995.68 1.93040 (20012208)
466881.85 3760995.68 2.11545 (20012208)
466901.85 3760995.68 2.31532 (20012208)
466921.85 3760995.68 2.54896 (20012208)
466941.85 3760995.68 2.81557 (20012208)
466961.85 3760995.68 3.13017 (20012208)
466981.85 3760995.68 3.51972 (21012208)
467001.85 3760995.68 3.94869 (21012208)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE
CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000023 ,
A0000024 , A0000025 , A0000026 , A0000027 ,
A0000028 , A0000029 , A0000030 , A0000031 ,
A0000032 , A0000033 , A0000034 , A0000035 ,
A0000036 , A0000037 , A0000038 , A0000016 ,
A0000017 , A0000018 , A0000019 , A0000020 ,
A0000021 , A0000022 , CONST_AREA ,

*** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
467021.85	3760995.68	3.80082	(21012208)	467041.85	3760995.68	3.66521	(21122808)
467061.85	3760995.68	3.55457	(21122808)	467081.85	3760995.68	3.69780	(19122408)
467101.85	3760995.68	3.95605	(19122408)	467121.85	3760995.68	4.11385	(19122408)
467141.85	3760995.68	4.21061	(19122408)	467161.85	3760995.68	4.28858	(19122408)
467181.85	3760995.68	4.20239	(19122408)	467201.85	3760995.68	3.78080	(21021008)
467221.85	3760995.68	3.37020	(21021008)	467241.85	3760995.68	2.95222	(22122708)
467261.85	3760995.68	2.67217	(19010708)	467281.85	3760995.68	2.45052	(19010708)
467301.85	3760995.68	2.26482	(19010708)	467321.85	3760995.68	2.10706	(19010708)
467341.85	3760995.68	1.96832	(19010708)	467361.85	3760995.68	1.84606	(19010708)
467381.85	3760995.68	1.73005	(19010708)	466821.85	3761015.68	1.66778	(20012208)
466841.85	3761015.68	1.81335	(20012208)	466861.85	3761015.68	1.96927	(20012208)
466881.85	3761015.68	2.12763	(20012208)	466901.85	3761015.68	2.29079	(20012208)
466921.85	3761015.68	2.46704	(20012208)	466941.85	3761015.68	2.63104	(20012208)

466961.85 3761015.68 2.86450 (21012208)
466981.85 3761015.68 3.00847 (21012208)
467001.85 3761015.68 3.08225 (21122808)
467021.85 3761015.68 3.11362 (21122808)
467041.85 3761015.68 2.97787 (21122808)
467061.85 3761015.68 2.91245 (23011308)
467081.85 3761015.68 2.84742 (19122408)
467101.85 3761015.68 3.12608 (19122408)
467121.85 3761015.68 3.30165 (19122408)
467141.85 3761015.68 3.40579 (19122408)
467161.85 3761015.68 3.45450 (19122408)
467181.85 3761015.68 3.37723 (19122408)
467201.85 3761015.68 2.88933 (19122408)
467221.85 3761015.68 2.92561 (21021008)
467241.85 3761015.68 2.72976 (21021008)
467261.85 3761015.68 2.46370 (22122708)
467281.85 3761015.68 2.29001 (22122708)
467301.85 3761015.68 2.11337 (22122708)
467321.85 3761015.68 2.00514 (19010708)
467341.85 3761015.68 1.90827 (19010708)
467361.85 3761015.68 1.81268 (19010708)
467381.85 3761015.68 1.71854 (19010708)
466821.85 3761035.68 1.70827 (20012208)
466841.85 3761035.68 1.82883 (20012208)
466861.85 3761035.68 1.95200 (20012208)
466881.85 3761035.68 2.06562 (20012208)
466901.85 3761035.68 2.16307 (20012208)
466921.85 3761035.68 2.30993 (21012208)
466941.85 3761035.68 2.44579 (21012208)
466961.85 3761035.68 2.49695 (21012208)
466981.85 3761035.68 2.53016 (21122808)
467001.85 3761035.68 2.69249 (21122808)
467021.85 3761035.68 2.63934 (21122808)
467041.85 3761035.68 2.56181 (23011308)
467061.85 3761035.68 2.48919 (23011308)
467081.85 3761035.68 2.36163 (23011308)
467101.85 3761035.68 2.60974 (19122408)
467121.85 3761035.68 2.80551 (19122408)
467141.85 3761035.68 2.92445 (19122408)
467161.85 3761035.68 2.97697 (19122408)
467181.85 3761035.68 2.91510 (19122408)
467201.85 3761035.68 2.59340 (19122408)
467221.85 3761035.68 2.39770 (21021008)
467241.85 3761035.68 2.44388 (21021008)
467261.85 3761035.68 2.32793 (21021008)
467281.85 3761035.68 2.13175 (21021008)
467301.85 3761035.68 2.02485 (22122708)
467321.85 3761035.68 1.91491 (22122708)
467341.85 3761035.68 1.79703 (22122708)
467361.85 3761035.68 1.70670 (19010708)
467381.85 3761035.68 1.64899 (19010708)
466821.85 3761055.68 1.70037 (20012208)
466841.85 3761055.68 1.78498 (20012208)
466861.85 3761055.68 1.86067 (20012208)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , A0000029 , A0000030 , A0000031 , A0000032 , A0000033 , A0000034 , A0000035 , A0000036 , A0000037 , A0000038 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000021 , A0000022 , CONST_AREA ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
466881.85	3761055.68	1.94071	(21012208)	466901.85	3761055.68	2.05689	(21012208)
466921.85	3761055.68	2.13059	(21012208)	466941.85	3761055.68	2.14173	(21012208)
466961.85	3761055.68	2.16841	(19020408)	466981.85	3761055.68	2.35212	(21122808)
467001.85	3761055.68	2.36984	(21122808)	467021.85	3761055.68	2.27410	(23011308)
467041.85	3761055.68	2.26216	(23011308)	467061.85	3761055.68	2.16780	(23011308)
467081.85	3761055.68	2.01258	(23011308)	467101.85	3761055.68	2.22774	(19122408)
467121.85	3761055.68	2.44211	(19122408)	467141.85	3761055.68	2.57607	(19122408)
467161.85	3761055.68	2.64000	(19122408)	467181.85	3761055.68	2.59733	(19122408)
467201.85	3761055.68	2.36692	(19122408)	467221.85	3761055.68	1.93643	(21021008)
467241.85	3761055.68	2.08210	(21021008)	467261.85	3761055.68	2.12269	(21021008)
467281.85	3761055.68	2.05799	(21021008)	467301.85	3761055.68	1.91336	(21021008)
467321.85	3761055.68	1.79923	(22122708)	467341.85	3761055.68	1.74042	(22122708)
467361.85	3761055.68	1.65727	(22122708)	467381.85	3761055.68	1.56101	(22122708)

466821.85 3761075.68 1.63496 (20012208)
466841.85 3761075.68 1.67370 (20012208)
466861.85 3761075.68 1.76847 (21012208)
466881.85 3761075.68 1.85204 (21012208)
466901.85 3761075.68 1.89550 (21012208)
466921.85 3761075.68 1.87826 (21012208)
466941.85 3761075.68 1.89624 (19020408)
466961.85 3761075.68 2.04998 (21122808)
466981.85 3761075.68 2.14807 (21122808)
467001.85 3761075.68 2.09997 (21122808)
467021.85 3761075.68 2.05803 (23011308)
467041.85 3761075.68 2.01320 (23011308)
467061.85 3761075.68 1.90553 (23011308)
467081.85 3761075.68 1.74065 (23011308)
467101.85 3761075.68 1.92031 (19122408)
467121.85 3761075.68 2.14795 (19122408)
467141.85 3761075.68 2.29934 (19122408)
467161.85 3761075.68 2.37569 (19122408)
467181.85 3761075.68 2.35645 (19122408)
467201.85 3761075.68 2.18913 (19122408)
467221.85 3761075.68 1.86509 (19122408)
467241.85 3761075.68 1.72944 (21021008)
467261.85 3761075.68 1.84561 (21021008)
467281.85 3761075.68 1.88843 (21021008)
467301.85 3761075.68 1.84112 (21021008)
467321.85 3761075.68 1.73198 (21021008)
467341.85 3761075.68 1.62796 (23011608)
467361.85 3761075.68 1.58194 (22122708)
467381.85 3761075.68 1.52848 (22122708)
466821.85 3761095.68 1.54180 (21012208)
466841.85 3761095.68 1.62396 (21012208)
466861.85 3761095.68 1.67883 (21012208)
466881.85 3761095.68 1.69993 (21012208)
466901.85 3761095.68 1.67486 (21012208)
466921.85 3761095.68 1.69564 (19020408)
466941.85 3761095.68 1.80000 (21122808)
466961.85 3761095.68 1.92529 (21122808)
466981.85 3761095.68 1.94751 (21122808)
467001.85 3761095.68 1.85800 (21122808)
467021.85 3761095.68 1.87521 (23011308)
467041.85 3761095.68 1.80703 (23011308)
467061.85 3761095.68 1.68531 (23011308)
467081.85 3761095.68 1.50978 (23011308)
467101.85 3761095.68 1.66886 (19122408)
467121.85 3761095.68 1.90226 (19122408)
467141.85 3761095.68 2.06548 (19122408)
467161.85 3761095.68 2.15451 (19122408)
467181.85 3761095.68 2.15663 (19122408)
467201.85 3761095.68 2.03678 (19122408)
467221.85 3761095.68 1.78876 (19122408)
467241.85 3761095.68 1.44958 (19122408)
467261.85 3761095.68 1.55992 (21021008)
467281.85 3761095.68 1.66657 (21021008)
467301.85 3761095.68 1.70189 (21021008)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE
CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000023 ,
A0000024 , A0000025 , A0000026 , A0000027 ,
A0000028 , A0000029 , A0000030 , A0000031 ,
A0000032 , A0000033 , A0000034 , A0000035 ,
A0000036 , A0000037 , A0000038 , A0000016 ,
A0000017 , A0000018 , A0000019 , A0000020 ,
A0000021 , A0000022 , CONST_AREA ,

*** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
467321.85	3761095.68	1.66969	(21021008)	467341.85	3761095.68	1.58669	(21021008)
467361.85	3761095.68	1.48872	(23011608)	467381.85	3761095.68	1.44032	(22122708)
466821.85	3761115.68	1.49969	(21012208)	466841.85	3761115.68	1.53664	(21012208)
466861.85	3761115.68	1.53951	(21012208)	466881.85	3761115.68	1.50460	(21012208)
466901.85	3761115.68	1.53093	(19020408)	466921.85	3761115.68	1.62992	(19020408)
466941.85	3761115.68	1.73808	(21122808)	466961.85	3761115.68	1.78955	(21122808)
466981.85	3761115.68	1.75532	(21122808)	467001.85	3761115.68	1.72379	(23011308)
467021.85	3761115.68	1.71436	(23011308)	467041.85	3761115.68	1.63013	(23011308)
467061.85	3761115.68	1.49496	(23011308)	467081.85	3761115.68	1.30959	(23011308)
467101.85	3761115.68	1.45947	(19122408)	467121.85	3761115.68	1.69202	(19122408)
467141.85	3761115.68	1.86081	(19122408)	467161.85	3761115.68	1.96178	(19122408)
467181.85	3761115.68	1.98324	(19122408)	467201.85	3761115.68	1.90094	(19122408)
467221.85	3761115.68	1.71015	(19122408)	467241.85	3761115.68	1.43462	(19122408)

467261.85 3761115.68 1.29057 (21021008)
467281.85 3761115.68 1.42729 (21021008)
467301.85 3761115.68 1.51880 (21021008)
467321.85 3761115.68 1.55328 (21021008)
467341.85 3761115.68 1.52892 (21021008)
467361.85 3761115.68 1.46163 (21021008)
467381.85 3761115.68 1.36771 (23011608)
466821.85 3761135.68 1.41147 (21012208)
466841.85 3761135.68 1.40651 (21012208)
466861.85 3761135.68 1.36417 (21012208)
466881.85 3761135.68 1.38224 (19020408)
466901.85 3761135.68 1.49097 (19020408)
466921.85 3761135.68 1.56887 (21122808)
466941.85 3761135.68 1.64902 (21122808)
466961.85 3761135.68 1.64453 (21122808)
466981.85 3761135.68 1.57119 (21122808)
467001.85 3761135.68 1.60232 (23011308)
467021.85 3761135.68 1.56936 (23011308)
467041.85 3761135.68 1.47118 (23011308)
467061.85 3761135.68 1.32304 (23011308)
467081.85 3761135.68 1.13097 (23011308)
467101.85 3761135.68 1.28204 (19122408)
467121.85 3761135.68 1.51201 (19122408)
467141.85 3761135.68 1.68610 (19122408)
467161.85 3761135.68 1.79756 (19122408)
467181.85 3761135.68 1.83606 (19122408)
467201.85 3761135.68 1.78301 (19122408)
467221.85 3761135.68 1.63393 (19122408)
467241.85 3761135.68 1.40682 (19122408)
467261.85 3761135.68 1.13806 (19122408)
467281.85 3761135.68 1.18875 (21021008)
467301.85 3761135.68 1.31380 (21021008)
467321.85 3761135.68 1.39591 (21021008)
467341.85 3761135.68 1.42709 (21021008)
467361.85 3761135.68 1.41134 (21021008)
467381.85 3761135.68 1.35541 (21021008)
466821.85 3761155.68 1.28989 (21012208)
466841.85 3761155.68 1.24750 (21012208)
466861.85 3761155.68 1.25993 (19020408)
466881.85 3761155.68 1.36377 (19020408)
466901.85 3761155.68 1.41945 (19020408)
466921.85 3761155.68 1.51504 (21122808)
466941.85 3761155.68 1.54258 (21122808)
466961.85 3761155.68 1.49709 (21122808)
466981.85 3761155.68 1.46534 (23011308)
467001.85 3761155.68 1.48609 (23011308)
467021.85 3761155.68 1.43556 (23011308)
467041.85 3761155.68 1.32570 (23011308)
467061.85 3761155.68 1.16989 (23011308)
467081.85 3761155.68 1.01743 (21111708)
467101.85 3761155.68 1.12953 (19122408)
467121.85 3761155.68 1.35195 (19122408)
467141.85 3761155.68 1.52823 (19122408)
467161.85 3761155.68 1.64809 (19122408)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE
CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000023 ,
A0000024 , A0000025 , A0000026 , A0000027 ,
A0000028 , A0000029 , A0000030 , A0000031 ,
A0000032 , A0000033 , A0000034 , A0000035 ,
A0000036 , A0000037 , A0000038 , A0000016 ,
A0000017 , A0000018 , A0000019 , A0000020 ,
A0000021 , A0000022 , CONST_AREA ,

*** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
467181.85	3761155.68	1.70068	(19122408)
467201.85	3761155.68	1.67321	(19122408)
467221.85	3761155.68	1.55907	(19122408)
467241.85	3761155.68	1.37337	(19122408)
467261.85	3761155.68	1.14285	(19122408)
467281.85	3761155.68	0.96946	(21021008)
467301.85	3761155.68	1.10924	(21021008)
467321.85	3761155.68	1.22037	(21021008)
467341.85	3761155.68	1.29293	(21021008)
467361.85	3761155.68	1.32235	(21021008)
467381.85	3761155.68	1.30999	(21021008)
466821.85	3761175.68	1.14678	(21012208)
466841.85	3761175.68	1.15324	(19020408)
466861.85	3761175.68	1.25781	(19020408)
466881.85	3761175.68	1.31824	(19020408)
466901.85	3761175.68	1.38851	(21122808)
466921.85	3761175.68	1.44172	(21122808)
466941.85	3761175.68	1.42740	(21122808)
466961.85	3761175.68	1.34940	(21122808)
466981.85	3761175.68	1.37722	(23011308)
467001.85	3761175.68	1.37437	(23011308)
467021.85	3761175.68	1.31124	(23011308)
467041.85	3761175.68	1.19238	(23011308)
467061.85	3761175.68	1.03388	(23011308)
467081.85	3761175.68	0.92867	(21111708)
467101.85	3761175.68	0.99820	(19122408)

467121.85 3761175.68 1.20957 (19122408)
467141.85 3761175.68 1.38463 (19122408)
467161.85 3761175.68 1.51033 (19122408)
467181.85 3761175.68 1.57543 (19122408)
467201.85 3761175.68 1.56949 (19122408)
467221.85 3761175.68 1.48555 (19122408)
467241.85 3761175.68 1.33681 (19122408)
467261.85 3761175.68 1.14198 (19122408)
467281.85 3761175.68 0.92776 (19122408)
467301.85 3761175.68 0.91657 (21021008)
467321.85 3761175.68 1.04170 (21021008)
467341.85 3761175.68 1.14031 (21021008)
467361.85 3761175.68 1.20440 (21021008)
467381.85 3761175.68 1.23068 (21021008)
466771.85 3760235.68 0.51389 (22113008)
466821.85 3760235.68 0.55902 (22113008)
466871.85 3760235.68 0.54127 (22113008)
466921.85 3760235.68 0.51437 (20012008)
466971.85 3760235.68 0.59110 (20012008)
467021.85 3760235.68 0.57834 (20012008)
467071.85 3760235.68 0.47795 (20012008)
467121.85 3760235.68 0.32360 (20012008)
467171.85 3760235.68 0.32332 (23022708)
467221.85 3760235.68 0.44973 (23022708)
467271.85 3760235.68 0.52626 (23022708)
467321.85 3760235.68 0.51873 (23022708)
467371.85 3760235.68 0.43912 (23122208)
467421.85 3760235.68 0.51541 (23122208)
467471.85 3760235.68 0.52286 (23122208)
467521.85 3760235.68 0.45803 (23122208)
467571.85 3760235.68 0.40920 (23122908)
467621.85 3760235.68 0.35284 (23122908)
467671.85 3760235.68 0.27716 (23122908)
466771.85 3760285.68 0.52230 (22113008)
466821.85 3760285.68 0.60487 (22113008)
466871.85 3760285.68 0.62039 (22113008)
466921.85 3760285.68 0.55510 (22113008)
466971.85 3760285.68 0.64540 (20012008)
467021.85 3760285.68 0.65203 (20012008)
467071.85 3760285.68 0.54880 (20012008)
467121.85 3760285.68 0.38022 (20012008)
467171.85 3760285.68 0.38979 (23022708)
467221.85 3760285.68 0.52479 (23022708)
467271.85 3760285.68 0.58513 (23022708)
467321.85 3760285.68 0.53604 (23022708)
467371.85 3760285.68 0.53581 (23122208)
467421.85 3760285.68 0.57867 (23122208)
467471.85 3760285.68 0.53613 (23122208)
467521.85 3760285.68 0.45743 (23122908)
467571.85 3760285.68 0.40230 (23122908)
467621.85 3760285.68 0.32092 (23122908)
467671.85 3760285.68 0.24031 (21123108)
466771.85 3760335.68 0.52011 (23010308)
466821.85 3760335.68 0.63802 (22113008)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE
CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000023 ,
A0000024 , A0000025 , A0000026 , A0000027 ,
A0000028 , A0000029 , A0000030 , A0000031 ,
A0000032 , A0000033 , A0000034 , A0000035 ,
A0000036 , A0000037 , A0000038 , A0000016 ,
A0000017 , A0000018 , A0000019 , A0000020 ,
A0000021 , A0000022 , CONST_AREA ,

*** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
466871.85	3760335.68	0.69959	(22113008)
466921.85	3760335.68	0.66454	(22113008)
466971.85	3760335.68	0.70338	(20012008)
467021.85	3760335.68	0.73824	(20012008)
467071.85	3760335.68	0.63529	(20012008)
467121.85	3760335.68	0.44235	(20012008)
467171.85	3760335.68	0.47244	(23022708)
467221.85	3760335.68	0.60786	(23022708)
467271.85	3760335.68	0.64218	(23022708)
467321.85	3760335.68	0.55042	(23022708)
467371.85	3760335.68	0.62988	(23122208)
467421.85	3760335.68	0.61901	(23122208)
467471.85	3760335.68	0.51839	(23122208)
467521.85	3760335.68	0.46144	(23122908)
467571.85	3760335.68	0.37305	(23122908)
467621.85	3760335.68	0.27597	(21123108)
467671.85	3760335.68	0.30585	(21123108)
466771.85	3760385.68	0.59217	(19121908)
466821.85	3760385.68	0.65074	(22113008)
466871.85	3760385.68	0.77133	(22113008)
466921.85	3760385.68	0.78599	(22113008)
466971.85	3760385.68	0.76421	(20012008)
467021.85	3760385.68	0.83927	(20012008)
467071.85	3760385.68	0.74274	(20012008)
467121.85	3760385.68	0.52136	(20012008)
467171.85	3760385.68	0.57576	(23022708)

467221.85 3760385.68 0.70623 (23022708)
467271.85 3760385.68 0.69669 (23022708)
467321.85 3760385.68 0.66775 (23122208)
467371.85 3760385.68 0.70702 (23122208)
467421.85 3760385.68 0.62760 (23122208)
467471.85 3760385.68 0.53560 (23122908)
467521.85 3760385.68 0.43697 (23122908)
467571.85 3760385.68 0.32414 (23122908)
467621.85 3760385.68 0.35015 (21123108)
467671.85 3760385.68 0.35817 (21123108)
466771.85 3760435.68 0.65814 (19121908)
466821.85 3760435.68 0.67943 (19121908)
466871.85 3760435.68 0.82493 (22113008)
466921.85 3760435.68 0.91410 (22113008)
466971.85 3760435.68 0.84303 (22113008)
467021.85 3760435.68 0.95905 (20012008)
467071.85 3760435.68 0.87718 (20012008)
467121.85 3760435.68 0.62406 (20012008)
467171.85 3760435.68 0.70564 (23022708)
467221.85 3760435.68 0.81824 (23022708)
467271.85 3760435.68 0.74502 (23022708)
467321.85 3760435.68 0.79420 (23122208)
467371.85 3760435.68 0.75504 (23122208)
467421.85 3760435.68 0.61744 (23122908)
467471.85 3760435.68 0.51612 (23122908)
467521.85 3760435.68 0.38682 (23122908)
467571.85 3760435.68 0.40279 (21123108)
467621.85 3760435.68 0.40294 (21123108)
467671.85 3760435.68 0.38492 (21123108)
466771.85 3760485.68 0.68258 (19121908)
466821.85 3760485.68 0.78300 (19121908)
466871.85 3760485.68 0.84678 (22113008)
466921.85 3760485.68 1.03739 (22113008)
466971.85 3760485.68 1.04383 (22113008)
467021.85 3760485.68 1.10054 (20012008)
467071.85 3760485.68 1.04792 (20012008)
467121.85 3760485.68 0.76131 (20012008)
467171.85 3760485.68 0.83989 (23022708)
467221.85 3760485.68 0.93117 (23022708)
467271.85 3760485.68 0.87792 (23122208)
467321.85 3760485.68 0.90564 (23122208)
467371.85 3760485.68 0.75801 (23122208)
467421.85 3760485.68 0.61882 (23122908)
467471.85 3760485.68 0.46798 (23122908)
467521.85 3760485.68 0.46900 (21123108)
467571.85 3760485.68 0.45749 (21123108)
467621.85 3760485.68 0.42654 (21123108)
467671.85 3760485.68 0.37730 (21123108)
466771.85 3760535.68 0.84051 (22123008)
467421.85 3760535.68 0.57391 (23122908)
467471.85 3760535.68 0.55121 (21123108)
467521.85 3760535.68 0.52413 (21123108)
467571.85 3760535.68 0.47132 (21123108)
467621.85 3760535.68 0.42614 (19122708)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE
CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000023 ,
A0000024 , A0000025 , A0000026 , A0000027 ,
A0000028 , A0000029 , A0000030 , A0000031 ,
A0000032 , A0000033 , A0000034 , A0000035 ,
A0000036 , A0000037 , A0000038 , A0000016 ,
A0000017 , A0000018 , A0000019 , A0000020 ,
A0000021 , A0000022 , CONST_AREA ,

*** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
467671.85	3760535.68	0.42336	(19122708)
466771.85	3760585.68	1.02257	(22123008)
467421.85	3760585.68	0.65782	(21123108)
467471.85	3760585.68	0.60363	(21123108)
467521.85	3760585.68	0.52489	(21123108)
467571.85	3760585.68	0.52226	(20121708)
467621.85	3760585.68	0.53337	(20121708)
467671.85	3760585.68	0.52629	(20121708)
466771.85	3760635.68	1.14021	(22122908)
467421.85	3760635.68	0.69855	(21123108)
467471.85	3760635.68	0.68322	(20121708)
467521.85	3760635.68	0.67569	(20121708)
467571.85	3760635.68	0.65290	(20121708)
467621.85	3760635.68	0.61331	(20121708)
467671.85	3760635.68	0.56266	(20121708)
466771.85	3760685.68	1.18847	(22122908)
467421.85	3760685.68	0.90664	(20121708)
467471.85	3760685.68	0.82877	(20121708)
467521.85	3760685.68	0.74923	(20121708)
467571.85	3760685.68	0.67119	(20121708)
467621.85	3760685.68	0.59079	(20121708)
467671.85	3760685.68	0.51235	(20121708)
466771.85	3760735.68	1.27145	(20010908)
467421.85	3760735.68	0.95655	(20121708)
467471.85	3760735.68	0.81112	(20121708)
467521.85	3760735.68	0.68198	(20121708)

467571.85 3760735.68 0.58826 (20121708)
467621.85 3760735.68 0.51546 (22120108)
467671.85 3760735.68 0.48165 (21120308)
466771.85 3760785.68 1.23284 (23120708)
467421.85 3760785.68 1.32563 (22120108)
467471.85 3760785.68 1.14820 (22120108)
467521.85 3760785.68 1.01372 (22120108)
467571.85 3760785.68 0.92254 (22120108)
467621.85 3760785.68 0.84376 (22120108)
467671.85 3760785.68 0.78011 (22120108)
466771.85 3760835.68 1.44654 (21020808)
467421.85 3760835.68 1.56760 (22120108)
467471.85 3760835.68 1.38501 (22120108)
467521.85 3760835.68 1.23734 (22120108)
467571.85 3760835.68 1.13527 (22120108)
467621.85 3760835.68 1.04217 (22120108)
467671.85 3760835.68 0.96536 (22120108)
466771.85 3760885.68 1.50014 (21020808)
467421.85 3760885.68 1.57742 (22120108)
467471.85 3760885.68 1.39849 (22120108)
467521.85 3760885.68 1.25547 (22120108)
467571.85 3760885.68 1.15669 (22120108)
467621.85 3760885.68 1.06412 (22120108)
467671.85 3760885.68 0.98504 (22120108)
466771.85 3760935.68 1.41657 (19121308)
467421.85 3760935.68 1.45376 (22011808)
467471.85 3760935.68 1.29658 (22011808)
467521.85 3760935.68 1.17249 (22011808)
467571.85 3760935.68 1.07727 (22011808)
467621.85 3760935.68 0.99095 (22011808)
467671.85 3760935.68 0.91042 (22011808)
466771.85 3760985.68 1.36343 (19121308)
467421.85 3760985.68 1.49188 (19010708)
467471.85 3760985.68 1.23041 (19010708)
467521.85 3760985.68 1.03917 (22011808)
467571.85 3760985.68 0.98252 (22011808)
467621.85 3760985.68 0.92582 (22011808)
467671.85 3760985.68 0.87012 (22011808)
466771.85 3761035.68 1.40276 (20012208)
467421.85 3761035.68 1.52054 (19010708)
467471.85 3761035.68 1.34892 (19010708)
467521.85 3761035.68 1.17085 (19010708)
467571.85 3761035.68 1.01112 (19010708)
467621.85 3761035.68 0.84049 (19010708)
467671.85 3761035.68 0.68629 (22011808)
466771.85 3761085.68 1.45383 (20012208)
467421.85 3761085.68 1.37358 (22122708)
467471.85 3761085.68 1.23662 (19010708)
467521.85 3761085.68 1.17177 (19010708)
467571.85 3761085.68 1.11013 (19010708)
467621.85 3761085.68 1.00186 (19010708)
467671.85 3761085.68 0.86928 (19010708)
466771.85 3761135.68 1.30429 (21012208)
467421.85 3761135.68 1.23557 (23011608)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE
CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000023 ,
A0000024 , A0000025 , A0000026 , A0000027 ,
A0000028 , A0000029 , A0000030 , A0000031 ,
A0000032 , A0000033 , A0000034 , A0000035 ,
A0000036 , A0000037 , A0000038 , A0000016 ,
A0000017 , A0000018 , A0000019 , A0000020 ,
A0000021 , A0000022 , CONST_AREA ,

*** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-
COORD (M) Y-COORD (M) CONC (YYMMDDHH)
- -
- -
467471.85 3761135.68 1.16667 (22122708)
467521.85 3761135.68 1.07802 (22122708)
467571.85 3761135.68 1.02056 (19010708)
467621.85 3761135.68 0.99159 (19010708)
467671.85 3761135.68 0.91420 (19010708)
466771.85 3761185.68 1.16907 (21012208)
466821.85 3761185.68 1.07062 (21012208)
466871.85 3761185.68 1.26871 (19020408)
466921.85 3761185.68 1.39926 (21122808)
466971.85 3761185.68 1.32225 (23011308)
467021.85 3761185.68 1.25235 (23011308)
467071.85 3761185.68 0.92494 (21111708)
467121.85 3761185.68 1.14651 (19122408)
467171.85 3761185.68 1.49107 (19122408)
467221.85 3761185.68 1.45082 (19122408)
467271.85 3761185.68 1.03928 (19122408)
467321.85 3761185.68 0.95604 (21021008)
467371.85 3761185.68 1.16426 (21021008)
467421.85 3761185.68 1.15960 (21021008)
467471.85 3761185.68 1.07480 (23011608)
467521.85 3761185.68 1.03260 (22122708)
467571.85 3761185.68 0.95576 (22122708)
467621.85 3761185.68 0.82523 (22122708)
467671.85 3761185.68 0.79963 (19010708)
466771.85 3761235.68 0.88791 (21012208)
466821.85 3761235.68 1.06661 (19020408)

466871.85 3761235.68 1.17254 (21122808)
466921.85 3761235.68 1.15137 (21122808)
466971.85 3761235.68 1.15012 (23011308)
467021.85 3761235.68 0.98816 (23011308)
467071.85 3761235.68 0.75483 (21111708)
467121.85 3761235.68 0.88467 (19122408)
467171.85 3761235.68 1.22646 (19122408)
467221.85 3761235.68 1.28514 (19122408)
467271.85 3761235.68 1.03288 (19122408)
467321.85 3761235.68 0.66359 (21111908)
467371.85 3761235.68 0.82647 (21021008)
467421.85 3761235.68 1.01351 (21021008)
467471.85 3761235.68 1.03776 (21021008)
467521.85 3761235.68 0.88989 (23011608)
467571.85 3761235.68 0.85081 (23011608)
467621.85 3761235.68 0.82892 (22122708)
467671.85 3761235.68 0.76058 (22122708)
466771.85 3761285.68 0.89699 (19020408)
466821.85 3761285.68 0.97431 (21122808)
466871.85 3761285.68 1.04376 (21122808)
466921.85 3761285.68 0.95871 (23011308)
466971.85 3761285.68 0.97684 (23011308)
467021.85 3761285.68 0.76766 (23011308)
467071.85 3761285.68 0.62379 (21111708)
467121.85 3761285.68 0.69014 (19122408)
467171.85 3761285.68 1.00964 (19122408)
467221.85 3761285.68 1.13655 (19122408)
467271.85 3761285.68 0.99617 (19122408)
467321.85 3761285.68 0.68648 (21111908)
467371.85 3761285.68 0.53087 (23012608)
467421.85 3761285.68 0.73786 (21021008)
467471.85 3761285.68 0.87923 (21021008)
467521.85 3761285.68 0.87111 (21021008)
467571.85 3761285.68 0.77550 (21021008)
467621.85 3761285.68 0.75549 (23011608)
467671.85 3761285.68 0.73031 (22122708)
467721.85 3760235.68 0.21087 (21123108)
467821.85 3760235.68 0.25869 (21123108)
467921.85 3760235.68 0.26273 (21123108)
468021.85 3760235.68 0.22689 (21123108)
468121.85 3760235.68 0.18290 (19122708)
468221.85 3760235.68 0.20207 (19122708)
467721.85 3760335.68 0.31987 (21123108)
467821.85 3760335.68 0.30742 (21123108)
467921.85 3760335.68 0.24577 (21123108)
468021.85 3760335.68 0.24812 (19122708)
468121.85 3760335.68 0.24242 (19122708)
468221.85 3760335.68 0.25333 (20121708)
467721.85 3760435.68 0.35052 (21123108)
467821.85 3760435.68 0.31462 (19122708)
467921.85 3760435.68 0.30540 (20121708)
468021.85 3760435.68 0.32235 (20121708)
468121.85 3760435.68 0.30618 (20121708)
468221.85 3760435.68 0.27886 (20121708)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE
CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A0000023 ,
A0000024 , A0000025 , A0000026 , A0000027 ,
A0000028 , A0000029 , A0000030 , A0000031 ,
A0000032 , A0000033 , A0000034 , A0000035 ,
A0000036 , A0000037 , A0000038 , A0000016 ,
A0000017 , A0000018 , A0000019 , A0000020 ,
A0000021 , A0000022 , CONST_AREA ,

*** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
467721.85	3760535.68	0.43250	(20121708)	467821.85	3760535.68	0.43123	(20121708)
467921.85	3760535.68	0.38637	(20121708)	468021.85	3760535.68	0.33258	(20121708)
468121.85	3760535.68	0.26428	(20121708)	468221.85	3760535.68	0.23243	(19011408)
467721.85	3760635.68	0.50220	(20121708)	467821.85	3760635.68	0.39990	(20121708)
467921.85	3760635.68	0.32954	(19011408)	468021.85	3760635.68	0.28867	(19011408)
468121.85	3760635.68	0.24678	(19011408)	468221.85	3760635.68	0.20678	(19011408)
467721.85	3760735.68	0.45895	(21120308)	467821.85	3760735.68	0.41711	(21120308)
467921.85	3760735.68	0.37852	(21120308)	468021.85	3760735.68	0.34591	(21120308)
468121.85	3760735.68	0.31569	(21120308)	468221.85	3760735.68	0.29066	(21120308)
467721.85	3760835.68	0.89783	(22120108)	467821.85	3760835.68	0.78778	(22120108)
467921.85	3760835.68	0.70447	(22120108)	468021.85	3760835.68	0.62579	(22120108)
468121.85	3760835.68	0.56595	(22120108)	468221.85	3760835.68	0.51671	(22120108)
467721.85	3760935.68	0.84280	(22011808)	467821.85	3760935.68	0.73352	(22120208)

467921.85 3760935.68 0.66254 (22120208)
468021.85 3760935.68 0.60438 (22120208)
468121.85 3760935.68 0.55610 (22120208)
468221.85 3760935.68 0.51296 (22120208)
467721.85 3761035.68 0.65791 (22011808)
467821.85 3761035.68 0.64196 (22011808)
467921.85 3761035.68 0.60866 (22011808)
468021.85 3761035.68 0.57218 (22011808)
468121.85 3761035.68 0.53563 (22011808)
468221.85 3761035.68 0.49520 (22011808)
467721.85 3761135.68 0.82208 (19010708)
467821.85 3761135.68 0.62562 (19010708)
467921.85 3761135.68 0.46044 (21122308)
468021.85 3761135.68 0.40965 (21122308)
468121.85 3761135.68 0.36041 (19120908)
468221.85 3761135.68 0.36134 (19120908)
467721.85 3761235.68 0.65880 (22122708)
467821.85 3761235.68 0.66426 (19010708)
467921.85 3761235.68 0.62080 (19010708)
468021.85 3761235.68 0.50133 (19010708)
468121.85 3761235.68 0.36589 (19010708)
468221.85 3761235.68 0.33691 (21122308)
467299.51 3761159.70 1.05407 (21021008)
467829.63 3760661.47 0.37202 (19011408)
467826.42 3760642.38 0.38543 (20121708)
467826.75 3760623.29 0.41059 (20121708)
467867.23 3760685.18 0.34565 (19011408)
467870.69 3760660.39 0.35229 (19011408)
467873.57 3760638.77 0.34838 (19011408)
467875.48 3760611.64 0.37625 (20121708)
467890.19 3760591.75 0.38467 (20121708)
467902.58 3760574.16 0.38919 (20121708)
467852.27 3760310.02 0.29286 (21123108)
467887.79 3760311.22 0.27621 (21123108)
467919.71 3760310.42 0.25926 (21123108)
467957.21 3760309.62 0.23464 (21123108)
468003.50 3760309.62 0.22137 (19122708)
468051.38 3760311.62 0.23367 (19122708)
468086.49 3760312.82 0.23761 (19122708)
468125.99 3760311.22 0.23616 (19122708)
468154.32 3760312.42 0.23300 (19122708)
467934.74 3760865.52 0.72532 (22120108)
467954.70 3760841.58 0.68787 (22120108)
467977.04 3760812.05 0.60839 (22120108)
467995.00 3760788.10 0.52409 (22120108)
468017.75 3760766.55 0.43623 (22120108)
468178.09 3760581.76 0.24610 (19011408)
468258.14 3760499.02 0.21749 (20121708)
467788.67 3760754.43 0.50411 (22120108)
467866.38 3760800.22 0.65345 (22120108)
467880.77 3760783.56 0.57858 (22120108)
467903.95 3760761.63 0.47009 (22120108)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD
(43824 HRS) RESULTS ***

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

NETWORK
GROUP ID AVERAGE CONC RECEPTOR (XR,
YR, ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID
- -
- -

ALL 1ST HIGHEST VALUE IS 0.19264 AT (467201.85,
3760875.68, 273.11, 592.00, 0.00) DC
2ND HIGHEST VALUE IS 0.19169 AT (467201.85,
3760895.68, 273.03, 592.00, 0.00) DC
3RD HIGHEST VALUE IS 0.18880 AT (467201.85,
3760915.68, 273.00, 592.00, 0.00) DC
4TH HIGHEST VALUE IS 0.18658 AT (467201.85,
3760855.68, 273.72, 592.00, 0.00) DC
5TH HIGHEST VALUE IS 0.18263 AT (467201.85,
3760935.68, 273.00, 592.00, 0.00) DC
6TH HIGHEST VALUE IS 0.18178 AT (467201.85,
3760835.68, 274.00, 592.00, 0.00) DC
7TH HIGHEST VALUE IS 0.18040 AT (467201.85,
3760815.68, 274.00, 592.00, 0.00) DC
8TH HIGHEST VALUE IS 0.17675 AT (467201.85,
3760795.68, 274.05, 592.00, 0.00) DC
9TH HIGHEST VALUE IS 0.17057 AT (467201.85,
3760775.68, 274.05, 592.00, 0.00) DC
10TH HIGHEST VALUE IS 0.17014 AT (467201.85,
3760955.68, 272.41, 592.00, 0.00) DC

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF
HIGHEST 1-HR RESULTS ***

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

```
                                                    DATE
NETWORK
GROUP ID                          AVERAGE CONC     (YYMMDDHH)
RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -

ALL      HIGH   1ST HIGH VALUE IS       5.29697  ON 19010708: AT (
467201.85,  3760955.68,   272.41,   592.00,    0.00)  DC
```

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 1829 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 852 Calm Hours Identified

A Total of 977 Missing Hours Identified (2.23 Percent)

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

******** WARNING MESSAGES ********
ME W186 452 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 452 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

APPENDIX B.2 – AERMOD OPERATIONAL MODEL OUTPUT

```
** Lakes Environmental AERMOD MPI
**

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**
** AERMOD Input Produced by:
** AERMOD View Ver. 13.0.0
** Lakes Environmental Software Inc.
** Date: 2/5/2025
** File: C:\temp\Alex-EPDS\MassAve\Mass_DPM_Operational\Mass_DPM_Operational.ADI
**

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**
**

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** AERMOD Control Pathway

---

**
**
CO STARTING
TITLEONE Massachusetts Avenue
TITLETWO Period Average DPM Project Operations
MODELOPT DFAULT CONC
AVERTIME 1 PERIOD
URBANOPT 2492442
POLLUTID DPM
RUNORNOT RUN
ERRORFIL Mass_DPM_Operational.err
CO FINISHED
**

---

** AERMOD Source Pathway

---

**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ----------
** Line Source Represented by Area Sources
** LINE AREA Source ID = OFFSITE1
** DESCRSRC Offsite1: Project>South on Kansas St>East on Mass Ave> South on Chic
```

```
** PREFIX
** Length of Side = 13.32
** Ratio = 10
** Vertical Dimension = 2.89
** Emission Rate = 2.635E-09
** Nodes = 6
** 467014.807, 3760850.692, 270.95, 3.11
** 467012.260, 3760732.297, 272.00, 3.11
** 467695.477, 3760730.243, 280.41, 3.11
** 467811.871, 3760731.848, 283.87, 3.11
** 467811.160, 3760330.726, 286.94, 3.11
** 468301.829, 3760335.972, 292.00, 3.11
** ----------------------------------------------------------------
LOCATION A0000023     AREA     467008.151 3760850.835 270.62
LOCATION A0000024     AREA     467012.240 3760725.639 272.00
LOCATION A0000025     AREA     467126.110 3760725.297 274.00
LOCATION A0000026     AREA     467239.979 3760724.955 274.00
LOCATION A0000027     AREA     467353.849 3760724.612 276.01
LOCATION A0000028     AREA     467467.718 3760724.270 276.08
LOCATION A0000029     AREA     467581.588 3760723.928 278.07
LOCATION A0000030     AREA     467695.569 3760723.586 280.48
LOCATION A0000031     AREA     467805.214 3760731.860 283.86
LOCATION A0000032     AREA     467805.036 3760631.579 281.34
LOCATION A0000033     AREA     467804.858 3760531.299 283.51
LOCATION A0000034     AREA     467804.680 3760431.019 285.88
LOCATION A0000035     AREA     467811.231 3760324.069 287.00
LOCATION A0000036     AREA     467933.898 3760325.381 289.00
LOCATION A0000037     AREA     468056.565 3760326.692 290.71
LOCATION A0000038     AREA     468179.233 3760328.004 289.29
** End of LINE AREA Source ID = OFFSITE1
LOCATION EMGEN       POINT     467175.568  3760946.540      272.140
** DESCRSRC Emergency Standby Generator
LOCATION FIREPUMP     POINT     467175.457  3760945.152      272.140
** DESCRSRC Fire Pump
** ----------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = OFFSITE2
** DESCRSRC Offsite 2: Project>Roberto St>Spruce St>SR91
** PREFIX
** Length of Side = 13.32
** Ratio = 10
** Vertical Dimension = 2.89
** Emission Rate = 8.7863E-10
** Nodes = 6
** 467179.305, 3760976.194, 272.00, 3.11
** 467154.337, 3760992.961, 271.50, 3.11
** 467183.319, 3761094.399, 271.00, 3.11
** 467184.330, 3761132.144, 270.00, 3.11
```

```
** 467005.044, 3761131.470, 268.94, 3.11
** 466852.045, 3761212.350, 267.65, 3.11
** ----------------------------------------------------------------
LOCATION A0000016     AREA     467183.017 3760981.720 272.00
LOCATION A0000017     AREA     467160.738 3760991.132 271.76
LOCATION A0000018     AREA     467189.974 3761094.221 270.75
LOCATION A0000019     AREA     467184.305 3761138.801 270.00
LOCATION A0000020     AREA     467094.662 3761138.464 269.64
LOCATION A0000021     AREA     467008.156 3761137.355 269.00
LOCATION A0000022     AREA     466931.656 3761177.796 268.00
** End of LINE AREA Source ID = OFFSITE2
LOCATION ID11        POINT     467072.350  3760876.879     271.000
** DESCRSRC idle Building 1 Loc 1
LOCATION ID12        POINT     467076.577  3760876.792     271.000
** DESCRSRC zdle Building 1 Loc 2
LOCATION ID13        POINT     467081.169  3760876.792     271.060
** DESCRSRC idle Building 1 Loc 3
LOCATION ID14        POINT     467095.464  3760877.217     271.530
** DESCRSRC idle Building 1 Loc 4
LOCATION ID15        POINT     467099.690  3760877.130     271.670
** DESCRSRC idle Building 1 Loc 5
LOCATION ID16        POINT     467104.282  3760877.130     271.830
** DESCRSRC idle Building 1 Loc 6
LOCATION ID18        POINT     467119.617  3760877.126     272.000
** DESCRSRC idle Building 1 Loc 8
LOCATION ID19        POINT     467123.844  3760877.038     272.000
** DESCRSRC idle Building 1 Loc 9
LOCATION ID110       POINT     467128.436  3760877.038     272.000
** DESCRSRC idle Building 1 Loc 10
LOCATION ID17        POINT     467108.077  3760876.792     271.950
** DESCRSRC idle Building 1 Loc 7
LOCATION ID21        POINT     467079.385  3760833.238     272.000
** DESCRSRC idle Building 2 Loc 1
LOCATION ID22        POINT     467143.185  3760833.305     273.000
** DESCRSRC Idle Building 2 Loc 2
LOCATION ID23        POINT     467083.612  3760833.151     272.000
** DESCRSRC Idle Building 2 Loc 3
LOCATION ID24        POINT     467088.204  3760833.151     272.000
** DESCRSRC Idle Building 2 Loc 4
LOCATION ID25        POINT     467102.499  3760833.576     272.000
** DESCRSRC Idle Building 2 Loc 5
LOCATION ID26        POINT     467106.725  3760833.489     272.000
** DESCRSRC Idle Building 2 Loc 6
LOCATION ID27        POINT     467111.317  3760833.489     272.060
** DESCRSRC Idle Building 2 Loc 7
LOCATION ID28        POINT     467115.112  3760833.151     272.190
** DESCRSRC Idle Building 2 Loc 8
LOCATION IS29        POINT     467134.367  3760833.392     272.830
```

```
** DESCRSRC Idle Building 2 Loc 9
LOCATION ID210       POINT     467138.593  3760833.305     272.970
** DESCRSRC Idle Building 2 Loc 10
** ----------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = WEST10_B1
** DESCRSRC West Entrance at Loc 10 to Building 1
** PREFIX
** Length of Side = 13.32
** Ratio = 10
** Vertical Dimension = 2.89
** Emission Rate = 1.5461E-09
** Nodes = 4
** 467022.972, 3760851.816, 270.98, 3.11
** 467037.323, 3760859.627, 270.93, 3.11
** 467057.123, 3760866.893, 271.00, 3.11
** 467132.873, 3760866.712, 272.30, 3.11
** ----------------------------------------------------------------
LOCATION A0000039    AREA    467026.155 3760845.969 271.00
LOCATION A0000040    AREA    467039.616 3760853.377 271.00
LOCATION A0000041    AREA    467057.107 3760860.236 271.14
** End of LINE AREA Source ID = WEST10_B1
** ----------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = WEST_10_B2
** DESCRSRC West Entrance at Loc 10 to Building 2
** PREFIX
** Length of Side = 13.32
** Ratio = 10
** Vertical Dimension = 2.89
** Emission Rate = 1.5828E-09
** Nodes = 4
** 467022.427, 3760851.453, 270.98, 3.11
** 467035.143, 3760842.915, 270.95, 3.11
** 467062.028, 3760842.370, 271.27, 3.11
** 467152.674, 3760841.643, 272.95, 3.11
** ----------------------------------------------------------------
LOCATION A0000042    AREA    467018.716 3760845.925 270.97
LOCATION A0000043    AREA    467035.008 3760836.259 271.00
LOCATION A0000044    AREA    467061.974 3760835.713 271.42
** End of LINE AREA Source ID = WEST_10_B2
** ----------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = NE8_B1
** DESCRSRC Northeast Entrance at Loc 8 to Building 1
** PREFIX
** Length of Side = 13.32
** Ratio = 10
```

```
** Vertical Dimension = 2.89
** Emission Rate = 1.1317E-09
** Nodes = 3
** 467181.282, 3760970.306, 272.00, 3.11
** 467180.691, 3760863.816, 272.93, 3.11
** 467065.622, 3760864.999, 271.00, 3.11
** ----------------------------------------------------------------
LOCATION A0000045     AREA     467174.622 3760970.343 272.00
LOCATION A0000046     AREA     467180.759 3760870.475 273.08
** End of LINE AREA Source ID = NE8_B1
** ----------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = NE6_B2
** DESCRSRC NOrtheast Entrance at Loc 8 to Building 2
** PREFIX
** Length of Side = 13.32
** Ratio = 10
** Vertical Dimension = 2.89
** Emission Rate = 1.1314E-09
** Nodes = 3
** 467180.987, 3760971.193, 272.00, 3.11
** 467180.987, 3760846.067, 273.21, 3.11
** 467063.256, 3760847.546, 271.33, 3.11
** ----------------------------------------------------------------
LOCATION A0000047     AREA     467174.327 3760971.193 272.00
LOCATION A0000048     AREA     467181.070 3760852.727 273.31
** End of LINE AREA Source ID = NE6_B2
** ----------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = SE12_B1
** DESCRSRC Northeast Entrance at Loc 8 to Building 1
** PREFIX
** Length of Side = 13.32
** Ratio = 10
** Vertical Dimension = 2.89
** Emission Rate = 1.807E-09
** Nodes = 3
** 467180.395, 3760740.169, 273.94, 3.11
** 467180.395, 3760862.632, 272.93, 3.11
** 467065.622, 3760862.337, 271.00, 3.11
** ----------------------------------------------------------------
LOCATION A0000049     AREA     467187.055 3760740.169 274.00
LOCATION A0000050     AREA     467180.378 3760869.292 273.09
** End of LINE AREA Source ID = SE12_B1
** ----------------------------------------------------------------
** Line Source Represented by Area Sources
** LINE AREA Source ID = SE12_B2
** DESCRSRC Southeast Entrance at Loc 12 to Building 2
```

```
** PREFIX
** Length of Side = 3.22
** Ratio = 10
** Vertical Dimension = 2.89
** Emission Rate = 7.4804E-09
** Nodes = 3
** 467179.803, 3760741.056, 273.94, 3.11
** 467179.803, 3760843.997, 273.17, 3.11
** 467065.622, 3760845.476, 271.46, 3.11
** ----------------------------------------------------------------
LOCATION A0000051    AREA    467181.413 3760741.056 274.00
LOCATION A0000052    AREA    467181.413 3760766.792 274.00
LOCATION A0000053    AREA    467181.413 3760792.527 273.88
LOCATION A0000054    AREA    467181.413 3760818.262 273.40
LOCATION A0000055    AREA    467179.824 3760845.607 273.34
LOCATION A0000056    AREA    467151.279 3760845.976 273.00
LOCATION A0000057    AREA    467122.734 3760846.346 272.44
LOCATION A0000058    AREA    467094.189 3760846.716 272.00
** End of LINE AREA Source ID = SE12_B2
** Source Parameters **
** LINE AREA Source ID = OFFSITE1
SRCPARAM A0000023    2.635E-09    3.109   118.423    13.315    91.232     2.892
SRCPARAM A0000024    2.635E-09    3.109   113.870    13.315     0.172     2.892
SRCPARAM A0000025    2.635E-09    3.109   113.870    13.315     0.172     2.892
SRCPARAM A0000026    2.635E-09    3.109   113.870    13.315     0.172     2.892
SRCPARAM A0000027    2.635E-09    3.109   113.870    13.315     0.172     2.892
SRCPARAM A0000028    2.635E-09    3.109   113.870    13.315     0.172     2.892
SRCPARAM A0000029    2.635E-09    3.109   113.870    13.315     0.172     2.892
SRCPARAM A0000030    2.635E-09    3.109   116.405    13.315    -0.790     2.892
SRCPARAM A0000031    2.635E-09    3.109   100.281    13.315    90.102     2.892
SRCPARAM A0000032    2.635E-09    3.109   100.281    13.315    90.102     2.892
SRCPARAM A0000033    2.635E-09    3.109   100.281    13.315    90.102     2.892
SRCPARAM A0000034    2.635E-09    3.109   100.281    13.315    90.102     2.892
SRCPARAM A0000035    2.635E-09    3.109   122.674    13.315    -0.613     2.892
SRCPARAM A0000036    2.635E-09    3.109   122.674    13.315    -0.613     2.892
SRCPARAM A0000037    2.635E-09    3.109   122.674    13.315    -0.613     2.892
SRCPARAM A0000038    2.635E-09    3.109   122.674    13.315    -0.613     2.892
** ----------------------------------------------------------------
SRCPARAM EMGEN        0.000165     7.400   749.261 0.0043586605251501   10.3632
SRCPARAM FIREPUMP     0.0000413    7.400   749.261 0.0043586605251501   10.3632
** LINE AREA Source ID = OFFSITE2
SRCPARAM A0000016    8.7863E-10    3.109    30.076    13.315  -146.116     2.892
SRCPARAM A0000017    8.7863E-10    3.109   105.497    13.315   -74.055     2.892
SRCPARAM A0000018    8.7863E-10    3.109    37.758    13.315   -88.466     2.892
SRCPARAM A0000019    8.7863E-10    3.109    89.643    13.315   179.785     2.892
SRCPARAM A0000020    8.7863E-10    3.109    89.643    13.315   179.785     2.892
SRCPARAM A0000021    8.7863E-10    3.109    86.531    13.315  -152.138     2.892
SRCPARAM A0000022    8.7863E-10    3.109    86.531    13.315  -152.138     2.892
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SRCPARAM ID11       0.0000133    3.658   366.483     51.7      0.1
SRCPARAM ID12       0.0000133    3.658   366.483     51.7      0.1
SRCPARAM ID13       0.0000133    3.658   366.483     51.7      0.1
SRCPARAM ID14       0.0000133    3.658   366.483     51.7      0.1
SRCPARAM ID15       0.0000133    3.658   366.483     51.7      0.1
SRCPARAM ID16       0.0000133    3.658   366.483     51.7      0.1
SRCPARAM ID18       0.0000133    3.658   366.483     51.7      0.1
SRCPARAM ID19       0.0000133    3.658   366.483     51.7      0.1
SRCPARAM ID110      0.0000133    3.658   366.483     51.7      0.1
SRCPARAM ID17       0.0000133    3.658   366.483     51.7      0.1
SRCPARAM ID21       0.0000133    3.658   366.483     51.7      0.1
SRCPARAM ID22       0.0000133    3.658   366.483     51.7      0.1
SRCPARAM ID23       0.0000133    3.658   366.483     51.7      0.1
SRCPARAM ID24       0.0000133    3.658   366.483     51.7      0.1
SRCPARAM ID25       0.0000133    3.658   366.483     51.7      0.1
SRCPARAM ID26       0.0000133    3.658   366.483     51.7      0.1
SRCPARAM ID27       0.0000133    3.658   366.483     51.7      0.1
SRCPARAM ID28       0.0000133    3.658   366.483     51.7      0.1
SRCPARAM IS29       0.0000133    3.658   366.483     51.7      0.1
SRCPARAM ID210      0.0000133    3.658   366.483     51.7      0.1
** LINE AREA Source ID = WEST10_B1
SRCPARAM A0000039    1.5461E-09    3.109    16.339    13.315   -28.560     2.892
SRCPARAM A0000040    1.5461E-09    3.109    21.092    13.315   -20.152     2.892
SRCPARAM A0000041    1.5461E-09    3.109    75.750    13.315     0.137     2.892
** ------------------------------------------------------------------
** LINE AREA Source ID = WEST_10_B2
SRCPARAM A0000042    1.5828E-09    3.109    15.316    13.315    33.879     2.892
SRCPARAM A0000043    1.5828E-09    3.109    26.890    13.315     1.161     2.892
SRCPARAM A0000044    1.5828E-09    3.109    90.649    13.315     0.459     2.892
** ------------------------------------------------------------------
** LINE AREA Source ID = NE8_B1
SRCPARAM A0000045    1.1317E-09    3.109   106.492    13.320    90.318     2.892
SRCPARAM A0000046    1.1317E-09    3.109   115.074    13.320  -179.411     2.892
** ------------------------------------------------------------------
** LINE AREA Source ID = NE6_B2
SRCPARAM A0000047    1.1314E-09    3.109   125.126    13.320    90.000     2.892
SRCPARAM A0000048    1.1314E-09    3.109   117.740    13.320  -179.280     2.892
** ------------------------------------------------------------------
** LINE AREA Source ID = SE12_B1
SRCPARAM A0000049    1.807E-09    3.109   122.463    13.320   -90.000     2.892
SRCPARAM A0000050    1.807E-09    3.109   114.773    13.320   179.852     2.892
** ------------------------------------------------------------------
** LINE AREA Source ID = SE12_B2
SRCPARAM A0000051    7.4804E-09    3.109    25.735     3.220   -90.000     2.892
SRCPARAM A0000052    7.4804E-09    3.109    25.735     3.220   -90.000     2.892
SRCPARAM A0000053    7.4804E-09    3.109    25.735     3.220   -90.000     2.892
SRCPARAM A0000054    7.4804E-09    3.109    25.735     3.220   -90.000     2.892
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SRCPARAM A0000055    7.4804E-09    3.109    28.548    3.220  -179.258    2.892
SRCPARAM A0000056    7.4804E-09    3.109    28.548    3.220  -179.258    2.892
SRCPARAM A0000057    7.4804E-09    3.109    28.548    3.220  -179.258    2.892
SRCPARAM A0000058    7.4804E-09    3.109    28.548    3.220  -179.258    2.892
** ------------------------------------------------------------------

** Building Downwash **
BUILDHGT EMGEN        13.72   13.72   13.72   13.72   13.72   13.72
BUILDHGT EMGEN        13.72   13.72   13.72   13.72   13.72   13.72
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BUILDHGT EMGEN        13.72   13.72   13.72   13.72   13.72   13.72
BUILDHGT EMGEN        13.72   13.72   13.72   13.72   13.72   13.72
BUILDHGT EMGEN        13.72   13.72   13.72   13.72   13.72   13.72

BUILDHGT FIREPUMP      13.72   13.72   13.72   13.72   13.72   13.72
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BUILDHGT FIREPUMP      13.72   13.72   13.72   13.72   13.72   13.72
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BUILDHGT FIREPUMP      13.72   13.72   13.72   13.72   13.72   13.72
BUILDHGT FIREPUMP      13.72   13.72   13.72   13.72   13.72   13.72

BUILDHGT ID11         13.72   13.72   13.72   13.72   13.72   13.72
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BUILDHGT ID11         13.72   13.72   13.72   13.72   13.72   13.72
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BUILDHGT ID12         13.72   13.72   13.72   13.72   13.72   13.72

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BUILDHGT ID13         13.72   13.72   13.72   13.72   13.72   13.72

BUILDHGT ID14         13.72   13.72   13.72   13.72   13.72   13.72
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BUILDHGT ID15         13.72   13.72   13.72   13.72   13.72   13.72
BUILDHGT ID15         13.72   13.72   13.72   13.72   13.72   13.72
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BUILDWID EMGEN	157.41	162.36	162.38	157.46	147.76	133.57
BUILDWID EMGEN	115.32	93.57	69.99	93.97	116.18	134.86
BUILDWID EMGEN	149.44	159.49	164.68	164.88	160.06	150.38
BUILDWID EMGEN	157.41	162.36	162.38	157.46	147.76	133.57
BUILDWID EMGEN	115.32	93.57	69.99	93.97	116.18	134.86
BUILDWID EMGEN	149.44	159.49	164.68	164.88	160.06	150.38

BUILDWID FIREPUMP	157.41	162.36	162.38	157.46	147.76	133.57
BUILDWID FIREPUMP	115.32	93.57	69.99	93.97	116.18	134.86
BUILDWID FIREPUMP	149.44	159.49	164.68	164.88	160.06	150.38
BUILDWID FIREPUMP	157.41	162.36	162.38	157.46	147.76	133.57
BUILDWID FIREPUMP	115.32	93.57	69.99	93.97	116.18	134.86
BUILDWID FIREPUMP	149.44	159.49	164.68	164.88	160.06	150.38

BUILDWID ID11	130.42	136.99	139.52	157.46	147.76	133.57
BUILDWID ID11	115.32	93.57	69.99	93.97	116.18	134.86
BUILDWID ID11	132.49	159.49	164.68	164.88	160.06	150.38
BUILDWID ID11	157.41	136.99	139.52	157.46	147.76	133.57
BUILDWID ID11	115.32	93.57	69.99	93.97	116.18	134.86
BUILDWID ID11	132.49	138.47	140.23	137.74	131.06	120.51

BUILDWID ID12	130.42	136.99	139.52	157.46	147.76	133.57
BUILDWID ID12	115.32	93.57	69.99	93.97	116.18	134.86
BUILDWID ID12	132.49	138.47	164.68	164.88	160.06	150.38
BUILDWID ID12	157.41	162.36	139.52	157.46	147.76	133.57
BUILDWID ID12	115.32	93.57	69.99	93.97	116.18	134.86
BUILDWID ID12	132.49	138.47	140.23	137.74	131.06	120.51

BUILDWID ID13	130.42	136.99	139.52	157.46	147.76	133.57
BUILDWID ID13	115.32	93.57	69.99	93.97	116.18	134.86
BUILDWID ID13	132.49	138.47	164.68	164.88	160.06	150.38
BUILDWID ID13	157.41	162.36	139.52	157.46	147.76	133.57
BUILDWID ID13	115.32	93.57	69.99	93.97	116.18	134.86
BUILDWID ID13	132.49	138.47	140.23	137.74	131.06	120.51

BUILDWID ID14	130.42	136.99	139.52	137.82	147.76	133.57
BUILDWID ID14	115.32	93.57	69.99	93.97	116.18	134.86
BUILDWID ID14	132.49	138.47	140.23	164.88	160.06	150.38
BUILDWID ID14	157.41	162.36	139.52	137.82	147.76	133.57
BUILDWID ID14	115.32	93.57	69.99	93.97	116.18	134.86
BUILDWID ID14	132.49	138.47	140.23	137.74	131.06	120.51

BUILDWID ID15	130.42	136.99	139.52	137.82	147.76	133.57
BUILDWID ID15	115.32	93.57	69.99	93.97	116.18	134.86

BUILDWID ID15	149.44	138.47	140.23	164.88	160.06	150.38
BUILDWID ID15	157.41	162.36	139.52	137.82	147.76	133.57
BUILDWID ID15	115.32	93.57	69.99	93.97	116.18	134.86
BUILDWID ID15	149.44	138.47	140.23	137.74	131.06	120.51
BUILDWID ID16	130.42	136.99	139.52	137.82	147.76	133.57
BUILDWID ID16	115.32	93.57	69.99	93.97	116.18	134.86
BUILDWID ID16	149.44	138.47	140.23	164.88	160.06	150.38
BUILDWID ID16	157.41	162.36	139.52	137.82	147.76	133.57
BUILDWID ID16	115.32	93.57	69.99	93.97	116.18	134.86
BUILDWID ID16	149.44	138.47	140.23	137.74	131.06	120.51
BUILDWID ID18	130.42	136.99	139.52	137.82	131.93	133.57
BUILDWID ID18	115.32	93.57	69.99	93.97	116.18	134.86
BUILDWID ID18	149.44	159.49	140.23	164.88	160.06	150.38
BUILDWID ID18	157.41	162.36	162.38	137.82	131.93	133.57
BUILDWID ID18	115.32	93.57	69.99	93.97	116.18	134.86
BUILDWID ID18	149.44	159.49	140.23	137.74	131.06	120.51
BUILDWID ID19	130.42	136.99	139.52	137.82	131.93	133.57
BUILDWID ID19	115.32	93.57	69.99	93.97	116.18	134.86
BUILDWID ID19	149.44	159.49	140.23	164.88	160.06	150.38
BUILDWID ID19	157.41	162.36	162.38	137.82	131.93	133.57
BUILDWID ID19	115.32	93.57	69.99	93.97	116.18	134.86
BUILDWID ID19	149.44	159.49	140.23	137.74	131.06	120.51
BUILDWID ID110	130.42	136.99	139.52	137.82	131.93	133.57
BUILDWID ID110	115.32	93.57	69.99	93.97	116.18	134.86
BUILDWID ID110	149.44	159.49	140.23	164.88	160.06	150.38
BUILDWID ID110	157.41	162.36	162.38	137.82	131.93	133.57
BUILDWID ID110	115.32	93.57	69.99	93.97	116.18	134.86
BUILDWID ID110	149.44	159.49	140.23	137.74	131.06	120.51
BUILDWID ID17	130.42	136.99	139.52	137.82	131.93	133.57
BUILDWID ID17	115.32	93.57	69.99	93.97	116.18	134.86
BUILDWID ID17	149.44	138.47	140.23	164.88	160.06	150.38
BUILDWID ID17	157.41	162.36	139.52	137.82	131.93	133.57
BUILDWID ID17	115.32	93.57	69.99	93.97	116.18	134.86
BUILDWID ID17	149.44	138.47	140.23	137.74	131.06	120.51
BUILDWID ID21	130.42	136.99	139.52	137.82	131.93	122.03
BUILDWID ID21	108.42	0.00	0.00	91.74	108.77	122.49
BUILDWID ID21	132.49	138.47	140.23	137.74	131.06	120.51
BUILDWID ID21	130.42	136.99	139.52	137.82	131.93	122.03
BUILDWID ID21	108.42	0.00	0.00	91.74	108.77	122.49
BUILDWID ID21	132.49	138.47	140.23	137.74	131.06	120.51
BUILDWID ID22	130.42	136.99	139.52	137.82	131.93	122.03
BUILDWID ID22	108.42	91.52	0.00	0.00	116.18	122.49
BUILDWID ID22	132.49	138.47	140.23	137.74	131.06	120.51
BUILDWID ID22	130.42	136.99	139.52	137.82	131.93	122.03

BUILDWID ID22	108.42	91.52	0.00	0.00	116.18	122.49
BUILDWID ID22	132.49	138.47	140.23	137.74	131.06	120.51
BUILDWID ID23	130.42	136.99	139.52	137.82	131.93	122.03
BUILDWID ID23	108.42	0.00	0.00	91.74	108.77	122.49
BUILDWID ID23	132.49	138.47	140.23	137.74	131.06	120.51
BUILDWID ID23	130.42	136.99	139.52	137.82	131.93	122.03
BUILDWID ID23	108.42	0.00	0.00	91.74	108.77	122.49
BUILDWID ID23	132.49	138.47	140.23	137.74	131.06	120.51
BUILDWID ID24	130.42	136.99	139.52	137.82	131.93	122.03
BUILDWID ID24	108.42	0.00	0.00	91.74	108.77	122.49
BUILDWID ID24	132.49	138.47	140.23	137.74	131.06	120.51
BUILDWID ID24	130.42	136.99	139.52	137.82	131.93	122.03
BUILDWID ID24	108.42	0.00	0.00	91.74	108.77	122.49
BUILDWID ID24	132.49	138.47	140.23	137.74	131.06	120.51
BUILDWID ID25	130.42	136.99	139.52	137.82	131.93	122.03
BUILDWID ID25	108.42	0.00	0.00	0.00	108.77	122.49
BUILDWID ID25	132.49	138.47	140.23	137.74	131.06	120.51
BUILDWID ID25	130.42	136.99	139.52	137.82	131.93	122.03
BUILDWID ID25	108.42	0.00	0.00	0.00	108.77	122.49
BUILDWID ID25	132.49	138.47	140.23	137.74	131.06	120.51
BUILDWID ID26	130.42	136.99	139.52	137.82	131.93	122.03
BUILDWID ID26	108.42	0.00	0.00	0.00	108.77	122.49
BUILDWID ID26	132.49	138.47	140.23	137.74	131.06	120.51
BUILDWID ID26	130.42	136.99	139.52	137.82	131.93	122.03
BUILDWID ID26	108.42	0.00	0.00	0.00	108.77	122.49
BUILDWID ID26	132.49	138.47	140.23	137.74	131.06	120.51
BUILDWID ID27	130.42	136.99	139.52	137.82	131.93	122.03
BUILDWID ID27	108.42	91.52	0.00	0.00	108.77	122.49
BUILDWID ID27	132.49	138.47	140.23	137.74	131.06	120.51
BUILDWID ID27	130.42	136.99	139.52	137.82	131.93	122.03
BUILDWID ID27	108.42	91.52	0.00	0.00	108.77	122.49
BUILDWID ID27	132.49	138.47	140.23	137.74	131.06	120.51
BUILDWID ID28	130.42	136.99	139.52	137.82	131.93	122.03
BUILDWID ID28	108.42	91.52	0.00	0.00	108.77	122.49
BUILDWID ID28	132.49	138.47	140.23	137.74	131.06	120.51
BUILDWID ID28	130.42	136.99	139.52	137.82	131.93	122.03
BUILDWID ID28	108.42	91.52	0.00	0.00	108.77	122.49
BUILDWID ID28	132.49	138.47	140.23	137.74	131.06	120.51
BUILDWID IS29	130.42	136.99	139.52	137.82	131.93	122.03
BUILDWID IS29	108.42	91.52	0.00	0.00	116.18	122.49
BUILDWID IS29	132.49	138.47	140.23	137.74	131.06	120.51
BUILDWID IS29	130.42	136.99	139.52	137.82	131.93	122.03
BUILDWID IS29	108.42	91.52	0.00	0.00	116.18	122.49
BUILDWID IS29	132.49	138.47	140.23	137.74	131.06	120.51

BUILDWID ID210	130.42	136.99	139.52	137.82	131.93	122.03
BUILDWID ID210	108.42	91.52	0.00	0.00	116.18	122.49
BUILDWID ID210	132.49	138.47	140.23	137.74	131.06	120.51
BUILDWID ID210	130.42	136.99	139.52	137.82	131.93	122.03
BUILDWID ID210	108.42	91.52	0.00	0.00	116.18	122.49
BUILDWID ID210	132.49	138.47	140.23	137.74	131.06	120.51
BUILDLEN EMGEN	93.97	116.18	134.86	149.44	159.49	164.68
BUILDLEN EMGEN	164.88	160.06	150.38	157.41	162.36	162.38
BUILDLEN EMGEN	157.46	147.76	133.57	115.32	93.57	69.99
BUILDLEN EMGEN	93.97	116.18	134.86	149.44	159.49	164.68
BUILDLEN EMGEN	164.88	160.06	150.38	157.41	162.36	162.38
BUILDLEN EMGEN	157.46	147.76	133.57	115.32	93.57	69.99
BUILDLEN FIREPUMP	93.97	116.18	134.86	149.44	159.49	164.68
BUILDLEN FIREPUMP	164.88	160.06	150.38	157.41	162.36	162.38
BUILDLEN FIREPUMP	157.46	147.76	133.57	115.32	93.57	69.99
BUILDLEN FIREPUMP	93.97	116.18	134.86	149.44	159.49	164.68
BUILDLEN FIREPUMP	164.88	160.06	150.38	157.41	162.36	162.38
BUILDLEN FIREPUMP	157.46	147.76	133.57	115.32	93.57	69.99
BUILDLEN ID11	91.74	108.77	122.49	149.44	159.49	164.68
BUILDLEN ID11	164.88	160.06	150.38	157.41	162.36	162.38
BUILDLEN ID11	137.82	147.76	133.57	115.32	93.57	69.99
BUILDLEN ID11	93.97	108.77	122.49	149.44	159.49	164.68
BUILDLEN ID11	164.88	160.06	150.38	157.41	162.36	162.38
BUILDLEN ID11	137.82	131.93	122.03	108.42	91.52	72.22
BUILDLEN ID12	91.74	108.77	122.49	149.44	159.49	164.68
BUILDLEN ID12	164.88	160.06	150.38	157.41	162.36	162.38
BUILDLEN ID12	137.82	131.93	133.57	115.32	93.57	69.99
BUILDLEN ID12	93.97	116.18	122.49	149.44	159.49	164.68
BUILDLEN ID12	164.88	160.06	150.38	157.41	162.36	162.38
BUILDLEN ID12	137.82	131.93	122.03	108.42	91.52	72.22
BUILDLEN ID13	91.74	108.77	122.49	149.44	159.49	164.68
BUILDLEN ID13	164.88	160.06	150.38	157.41	162.36	162.38
BUILDLEN ID13	137.82	131.93	133.57	115.32	93.57	69.99
BUILDLEN ID13	93.97	116.18	122.49	149.44	159.49	164.68
BUILDLEN ID13	164.88	160.06	150.38	157.41	162.36	162.38
BUILDLEN ID13	137.82	131.93	122.03	108.42	91.52	72.22
BUILDLEN ID14	91.74	108.77	122.49	132.49	159.49	164.68
BUILDLEN ID14	164.88	160.06	150.38	157.41	162.36	162.38
BUILDLEN ID14	137.82	131.93	122.03	115.32	93.57	69.99
BUILDLEN ID14	93.97	116.18	122.49	132.49	159.49	164.68
BUILDLEN ID14	164.88	160.06	150.38	157.41	162.36	162.38
BUILDLEN ID14	137.82	131.93	122.03	108.42	91.52	72.22
BUILDLEN ID15	91.74	108.77	122.49	132.49	159.49	164.68
BUILDLEN ID15	164.88	160.06	150.38	157.41	162.36	162.38

BUILDLEN ID15	157.46	131.93	122.03	115.32	93.57	69.99
BUILDLEN ID15	93.97	116.18	122.49	132.49	159.49	164.68
BUILDLEN ID15	164.88	160.06	150.38	157.41	162.36	162.38
BUILDLEN ID15	157.46	131.93	122.03	108.42	91.52	72.22
BUILDLEN ID16	91.74	108.77	122.49	132.49	159.49	164.68
BUILDLEN ID16	164.88	160.06	150.38	157.41	162.36	162.38
BUILDLEN ID16	157.46	131.93	122.03	115.32	93.57	69.99
BUILDLEN ID16	93.97	116.18	122.49	132.49	159.49	164.68
BUILDLEN ID16	164.88	160.06	150.38	157.41	162.36	162.38
BUILDLEN ID16	157.46	131.93	122.03	108.42	91.52	72.22
BUILDLEN ID18	91.74	108.77	122.49	132.49	138.47	164.68
BUILDLEN ID18	164.88	160.06	150.38	157.41	162.36	162.38
BUILDLEN ID18	157.46	147.76	122.03	115.32	93.57	69.99
BUILDLEN ID18	93.97	116.18	134.86	132.49	138.47	164.68
BUILDLEN ID18	164.88	160.06	150.38	157.41	162.36	162.38
BUILDLEN ID18	157.46	147.76	122.03	108.42	91.52	72.22
BUILDLEN ID19	91.74	108.77	122.49	132.49	138.47	164.68
BUILDLEN ID19	164.88	160.06	150.38	157.41	162.36	162.38
BUILDLEN ID19	157.46	147.76	122.03	115.32	93.57	69.99
BUILDLEN ID19	93.97	116.18	134.86	132.49	138.47	164.68
BUILDLEN ID19	164.88	160.06	150.38	157.41	162.36	162.38
BUILDLEN ID19	157.46	147.76	122.03	108.42	91.52	72.22
BUILDLEN ID110	91.74	108.77	122.49	132.49	138.47	164.68
BUILDLEN ID110	164.88	160.06	150.38	157.41	162.36	162.38
BUILDLEN ID110	157.46	147.76	122.03	115.32	93.57	69.99
BUILDLEN ID110	93.97	116.18	134.86	132.49	138.47	164.68
BUILDLEN ID110	164.88	160.06	150.38	157.41	162.36	162.38
BUILDLEN ID110	157.46	147.76	122.03	108.42	91.52	72.22
BUILDLEN ID17	91.74	108.77	122.49	132.49	138.47	164.68
BUILDLEN ID17	164.88	160.06	150.38	157.41	162.36	162.38
BUILDLEN ID17	157.46	131.93	122.03	115.32	93.57	69.99
BUILDLEN ID17	93.97	116.18	122.49	132.49	138.47	164.68
BUILDLEN ID17	164.88	160.06	150.38	157.41	162.36	162.38
BUILDLEN ID17	157.46	131.93	122.03	108.42	91.52	72.22
BUILDLEN ID21	91.74	108.77	122.49	132.49	138.47	140.23
BUILDLEN ID21	137.74	0.00	0.00	130.42	136.99	139.52
BUILDLEN ID21	137.82	131.93	122.03	108.42	91.52	72.22
BUILDLEN ID21	91.74	108.77	122.49	132.49	138.47	140.23
BUILDLEN ID21	137.74	0.00	0.00	130.42	136.99	139.52
BUILDLEN ID21	137.82	131.93	122.03	108.42	91.52	72.22
BUILDLEN ID22	91.74	108.77	122.49	132.49	138.47	140.23
BUILDLEN ID22	137.74	131.06	0.00	0.00	162.36	139.52
BUILDLEN ID22	137.82	131.93	122.03	108.42	91.52	72.22
BUILDLEN ID22	91.74	108.77	122.49	132.49	138.47	140.23

BUILDLEN ID22	137.74	131.06	0.00	0.00	162.36	139.52
BUILDLEN ID22	137.82	131.93	122.03	108.42	91.52	72.22
BUILDLEN ID23	91.74	108.77	122.49	132.49	138.47	140.23
BUILDLEN ID23	137.74	0.00	0.00	130.42	136.99	139.52
BUILDLEN ID23	137.82	131.93	122.03	108.42	91.52	72.22
BUILDLEN ID23	91.74	108.77	122.49	132.49	138.47	140.23
BUILDLEN ID23	137.74	0.00	0.00	130.42	136.99	139.52
BUILDLEN ID23	137.82	131.93	122.03	108.42	91.52	72.22
BUILDLEN ID24	91.74	108.77	122.49	132.49	138.47	140.23
BUILDLEN ID24	137.74	0.00	0.00	130.42	136.99	139.52
BUILDLEN ID24	137.82	131.93	122.03	108.42	91.52	72.22
BUILDLEN ID24	91.74	108.77	122.49	132.49	138.47	140.23
BUILDLEN ID24	137.74	0.00	0.00	130.42	136.99	139.52
BUILDLEN ID24	137.82	131.93	122.03	108.42	91.52	72.22
BUILDLEN ID25	91.74	108.77	122.49	132.49	138.47	140.23
BUILDLEN ID25	137.74	0.00	0.00	0.00	136.99	139.52
BUILDLEN ID25	137.82	131.93	122.03	108.42	91.52	72.22
BUILDLEN ID25	91.74	108.77	122.49	132.49	138.47	140.23
BUILDLEN ID25	137.74	0.00	0.00	0.00	136.99	139.52
BUILDLEN ID25	137.82	131.93	122.03	108.42	91.52	72.22
BUILDLEN ID26	91.74	108.77	122.49	132.49	138.47	140.23
BUILDLEN ID26	137.74	0.00	0.00	0.00	136.99	139.52
BUILDLEN ID26	137.82	131.93	122.03	108.42	91.52	72.22
BUILDLEN ID26	91.74	108.77	122.49	132.49	138.47	140.23
BUILDLEN ID26	137.74	0.00	0.00	0.00	136.99	139.52
BUILDLEN ID26	137.82	131.93	122.03	108.42	91.52	72.22
BUILDLEN ID27	91.74	108.77	122.49	132.49	138.47	140.23
BUILDLEN ID27	137.74	131.06	0.00	0.00	136.99	139.52
BUILDLEN ID27	137.82	131.93	122.03	108.42	91.52	72.22
BUILDLEN ID27	91.74	108.77	122.49	132.49	138.47	140.23
BUILDLEN ID27	137.74	131.06	0.00	0.00	136.99	139.52
BUILDLEN ID27	137.82	131.93	122.03	108.42	91.52	72.22
BUILDLEN ID28	91.74	108.77	122.49	132.49	138.47	140.23
BUILDLEN ID28	137.74	131.06	0.00	0.00	136.99	139.52
BUILDLEN ID28	137.82	131.93	122.03	108.42	91.52	72.22
BUILDLEN ID28	91.74	108.77	122.49	132.49	138.47	140.23
BUILDLEN ID28	137.74	131.06	0.00	0.00	136.99	139.52
BUILDLEN ID28	137.82	131.93	122.03	108.42	91.52	72.22
BUILDLEN IS29	91.74	108.77	122.49	132.49	138.47	140.23
BUILDLEN IS29	137.74	131.06	0.00	0.00	162.36	139.52
BUILDLEN IS29	137.82	131.93	122.03	108.42	91.52	72.22
BUILDLEN IS29	91.74	108.77	122.49	132.49	138.47	140.23
BUILDLEN IS29	137.74	131.06	0.00	0.00	162.36	139.52
BUILDLEN IS29	137.82	131.93	122.03	108.42	91.52	72.22

BUILDLEN	ID210	91.74	108.77	122.49	132.49	138.47	140.23
BUILDLEN	ID210	137.74	131.06	0.00	0.00	162.36	139.52
BUILDLEN	ID210	137.82	131.93	122.03	108.42	91.52	72.22
BUILDLEN	ID210	91.74	108.77	122.49	132.49	138.47	140.23
BUILDLEN	ID210	137.74	131.06	0.00	0.00	162.36	139.52
BUILDLEN	ID210	137.82	131.93	122.03	108.42	91.52	72.22
XBADJ	EMGEN	-92.96	-115.38	-134.30	-149.14	-159.44	-164.90
XBADJ	EMGEN	-165.35	-160.78	-151.32	-146.90	-140.20	-129.24
XBADJ	EMGEN	-114.36	-96.00	-74.72	-51.17	-26.07	-1.19
XBADJ	EMGEN	-1.01	-0.80	-0.56	-0.31	-0.04	0.22
XBADJ	EMGEN	0.48	0.72	0.94	-10.51	-22.16	-33.14
XBADJ	EMGEN	-43.11	-51.77	-58.85	-64.15	-67.50	-68.80
XBADJ	FIREPUMP	-91.57	-114.04	-133.04	-148.00	-158.46	-164.11
XBADJ	FIREPUMP	-164.77	-160.43	-151.21	-147.04	-140.58	-129.84
XBADJ	FIREPUMP	-115.17	-96.99	-75.87	-52.44	-27.42	-2.58
XBADJ	FIREPUMP	-2.40	-2.14	-1.82	-1.44	-1.02	-0.57
XBADJ	FIREPUMP	-0.10	0.37	0.83	-10.38	-21.79	-32.54
XBADJ	FIREPUMP	-42.30	-50.77	-57.70	-62.88	-66.15	-67.41
XBADJ	ID11	-137.16	-136.21	-131.11	-29.42	-35.59	-40.68
XBADJ	ID11	-44.53	-47.03	-48.10	-57.35	-67.03	-74.68
XBADJ	ID11	16.66	-83.01	-83.43	-81.32	-76.74	-70.85
XBADJ	ID11	-87.53	27.44	8.62	-120.02	-123.89	-124.00
XBADJ	ID11	-120.34	-113.03	-102.28	-100.06	-95.33	-87.70
XBADJ	ID11	-154.48	-159.90	-160.46	-156.15	-147.10	-133.95
XBADJ	ID12	-137.81	-137.57	-133.15	-32.07	-38.78	-44.30
XBADJ	ID12	-48.48	-51.18	-52.33	-61.53	-71.04	-78.39
XBADJ	ID12	13.36	25.18	-85.63	-82.86	-77.57	-70.94
XBADJ	ID12	-86.89	-100.20	10.66	-117.37	-120.71	-120.38
XBADJ	ID12	-116.40	-108.88	-98.05	-95.88	-91.32	-83.99
XBADJ	ID12	-151.18	-157.11	-158.27	-154.62	-146.27	-133.86
XBADJ	ID13	-138.61	-139.14	-135.45	-35.02	-42.29	-48.27
XBADJ	ID13	-52.79	-55.70	-56.92	-66.05	-75.35	-82.37
XBADJ	ID13	9.85	22.23	-87.92	-84.43	-78.36	-70.94
XBADJ	ID13	-86.09	-98.63	12.95	-114.42	-117.19	-116.41
XBADJ	ID13	-112.09	-104.36	-93.46	-91.36	-87.01	-80.01
XBADJ	ID13	-147.67	-154.16	-155.98	-153.05	-145.48	-133.86
XBADJ	ID14	-141.51	-144.43	-142.96	-137.15	-53.52	-60.86
XBADJ	ID14	-66.36	-69.85	-71.21	-80.05	-88.63	-94.53
XBADJ	ID14	-0.83	13.38	27.17	-88.91	-80.42	-70.51
XBADJ	ID14	-83.19	-93.34	20.47	4.66	-105.97	-103.82
XBADJ	ID14	-98.51	-90.21	-79.17	-77.36	-73.73	-67.85
XBADJ	ID14	-136.99	-145.31	-149.20	-148.57	-143.42	-134.29
XBADJ	ID15	-142.16	-145.79	-145.00	-139.80	-56.70	-64.48
XBADJ	ID15	-70.31	-74.00	-75.44	-84.23	-92.64	-98.24

XBADJ	ID15	-100.85	10.59	24.98	-90.44	-81.24	-70.60
XBADJ	ID15	-82.54	-91.97	22.51	7.31	-102.79	-100.20
XBADJ	ID15	-94.57	-86.06	-74.94	-73.18	-69.72	-64.14
XBADJ	ID15	-56.62	-142.52	-147.01	-147.04	-142.59	-134.20
XBADJ	ID16	-142.95	-147.36	-147.30	-142.75	-60.21	-68.46
XBADJ	ID16	-74.62	-78.52	-80.03	-88.75	-96.95	-102.21
XBADJ	ID16	-104.36	7.64	22.69	-92.01	-82.04	-70.60
XBADJ	ID16	-81.74	-90.40	24.80	10.26	-99.27	-96.22
XBADJ	ID16	-90.25	-81.54	-70.35	-68.66	-65.41	-60.17
XBADJ	ID16	-53.10	-139.57	-144.72	-145.47	-141.80	-134.20
XBADJ	ID18	-145.62	-152.61	-154.97	-152.61	-145.62	-81.74
XBADJ	ID18	-89.04	-93.63	-95.37	-103.86	-111.37	-115.49
XBADJ	ID18	-116.11	-113.20	15.02	-97.26	-84.71	-70.60
XBADJ	ID18	-79.08	-85.16	-88.65	20.12	7.16	-82.94
XBADJ	ID18	-75.84	-66.43	-55.01	-53.56	-51.00	-46.88
XBADJ	ID18	-41.35	-34.56	-137.05	-140.22	-139.13	-134.20
XBADJ	ID19	-146.26	-153.97	-157.00	-155.26	-148.80	-85.35
XBADJ	ID19	-92.97	-97.77	-99.59	-108.03	-115.36	-119.19
XBADJ	ID19	-119.40	-115.98	12.83	-98.78	-85.53	-70.69
XBADJ	ID19	-78.44	-83.80	-86.61	22.76	10.33	-79.33
XBADJ	ID19	-71.90	-62.29	-50.79	-49.38	-47.00	-43.19
XBADJ	ID19	-38.06	-31.78	-134.86	-138.69	-138.31	-134.11
XBADJ	ID110	-147.06	-155.54	-159.30	-158.21	-152.32	-89.34
XBADJ	ID110	-97.29	-102.30	-104.19	-112.56	-119.69	-123.18
XBADJ	ID110	-122.93	-118.94	10.53	-100.36	-86.33	-70.69
XBADJ	ID110	-77.64	-82.22	-84.31	25.72	13.85	-75.35
XBADJ	ID110	-67.58	-57.76	-46.19	-44.85	-42.68	-39.20
XBADJ	ID110	-34.54	-28.82	-132.56	-137.12	-137.51	-134.11
XBADJ	ID17	-143.28	-148.34	-148.90	-144.93	-136.56	-71.58
XBADJ	ID17	-78.08	-82.20	-83.83	-92.55	-100.64	-105.67
XBADJ	ID17	-107.49	4.94	20.49	-93.63	-83.04	-70.94
XBADJ	ID17	-81.42	-89.42	26.41	12.44	-1.90	-93.10
XBADJ	ID17	-86.80	-77.86	-66.55	-64.86	-61.72	-56.71
XBADJ	ID17	-49.97	-136.87	-142.52	-143.85	-140.80	-133.86
XBADJ	ID21	-95.41	-97.61	-96.84	-93.13	-86.59	-77.42
XBADJ	ID21	-65.90	0.00	0.00	-33.52	-28.67	-23.08
XBADJ	ID21	-16.78	-9.98	-2.88	4.31	11.37	18.09
XBADJ	ID21	3.66	-11.16	-25.65	-39.36	-51.87	-62.81
XBADJ	ID21	-71.84	0.00	0.00	-96.90	-108.32	-116.45
XBADJ	ID21	-121.04	-121.95	-119.15	-112.74	-102.90	-90.31
XBADJ	ID22	-106.56	-119.49	-128.80	-134.20	-135.51	-132.71
XBADJ	ID22	-125.88	-115.22	0.00	0.00	-148.50	-78.29
XBADJ	ID22	-65.61	-50.94	-34.72	-17.44	0.36	18.16
XBADJ	ID22	14.81	10.72	6.31	1.70	-2.96	-7.52

XBADJ	ID22	-11.86	-15.84	0.00	0.00	-13.86	-61.23
XBADJ	ID22	-72.21	-80.99	-87.31	-90.98	-91.89	-90.38
XBADJ	ID23	-96.05	-98.97	-98.87	-95.78	-89.77	-81.03
XBADJ	ID23	-69.84	0.00	0.00	-37.69	-32.66	-26.78
XBADJ	ID23	-20.08	-12.76	-5.07	2.79	10.55	18.00
XBADJ	ID23	4.31	-9.81	-23.62	-36.72	-48.70	-59.20
XBADJ	ID23	-67.91	0.00	0.00	-92.73	-104.32	-112.75
XBADJ	ID23	-117.74	-119.16	-116.96	-111.21	-102.08	-90.22
XBADJ	ID24	-96.85	-100.54	-101.17	-98.73	-93.28	-85.01
XBADJ	ID24	-74.15	0.00	0.00	-42.21	-36.98	-30.75
XBADJ	ID24	-23.59	-15.72	-7.36	1.22	9.76	18.00
XBADJ	ID24	5.10	-8.24	-21.33	-33.77	-45.18	-55.23
XBADJ	ID24	-63.59	0.00	0.00	-88.21	-100.01	-108.77
XBADJ	ID24	-114.23	-116.21	-114.67	-109.64	-101.28	-90.22
XBADJ	ID25	-99.76	-105.83	-108.69	-108.25	-104.51	-97.61
XBADJ	ID25	-87.73	0.00	0.00	0.00	-50.27	-42.92
XBADJ	ID25	-34.27	-24.58	-14.14	-3.27	7.70	18.43
XBADJ	ID25	8.01	-2.94	-13.80	-24.25	-33.95	-42.63
XBADJ	ID25	-50.01	0.00	0.00	0.00	-86.72	-96.60
XBADJ	ID25	-103.55	-107.35	-107.89	-105.15	-99.22	-90.65
XBADJ	ID26	-100.40	-107.19	-110.73	-110.90	-107.70	-101.23
XBADJ	ID26	-91.68	0.00	0.00	0.00	-54.27	-46.63
XBADJ	ID26	-37.57	-27.37	-16.33	-4.80	6.87	18.34
XBADJ	ID26	8.66	-1.58	-11.77	-21.60	-30.77	-39.01
XBADJ	ID26	-46.06	0.00	0.00	0.00	-82.71	-92.89
XBADJ	ID26	-100.25	-104.56	-105.70	-103.62	-98.40	-90.56
XBADJ	ID27	-101.20	-108.76	-113.02	-113.85	-111.21	-105.20
XBADJ	ID27	-95.99	-83.86	0.00	0.00	-58.58	-50.60
XBADJ	ID27	-41.08	-30.32	-18.63	-6.37	6.08	18.34
XBADJ	ID27	9.45	-0.01	-9.47	-18.65	-27.25	-35.03
XBADJ	ID27	-41.75	-47.20	0.00	0.00	-78.40	-88.92
XBADJ	ID27	-96.74	-101.61	-103.40	-102.05	-97.60	-90.56
XBADJ	ID28	-101.52	-109.74	-114.62	-116.02	-113.90	-108.31
XBADJ	ID28	-99.44	-87.54	0.00	0.00	-62.26	-54.06
XBADJ	ID28	-44.21	-33.01	-20.82	-7.99	5.08	18.00
XBADJ	ID28	9.78	0.97	-7.87	-16.47	-24.57	-31.92
XBADJ	ID28	-38.30	-43.52	0.00	0.00	-74.72	-85.47
XBADJ	ID28	-93.61	-98.92	-101.21	-100.44	-96.61	-90.22
XBADJ	IS29	-105.10	-116.55	-124.46	-128.59	-128.81	-125.11
XBADJ	IS29	-117.62	-106.55	0.00	0.00	-140.19	-70.61
XBADJ	IS29	-58.81	-45.21	-30.24	-14.35	1.98	18.24
XBADJ	IS29	13.36	7.78	1.97	-3.91	-9.66	-15.12
XBADJ	IS29	-20.12	-24.51	0.00	0.00	-22.17	-68.91
XBADJ	IS29	-79.01	-86.72	-91.79	-94.07	-93.50	-90.46

XBADJ	ID210	-105.76	-117.92	-126.50	-131.24	-131.99	-128.73
XBADJ	ID210	-121.55	-110.69	0.00	0.00	-144.18	-74.31
XBADJ	ID210	-62.09	-47.98	-32.42	-15.87	1.16	18.16
XBADJ	ID210	14.01	9.15	4.01	-1.25	-6.48	-11.51
XBADJ	ID210	-16.19	-20.37	0.00	0.00	-18.18	-65.21
XBADJ	ID210	-75.73	-83.95	-89.61	-92.56	-92.69	-90.38
YBADJ	EMGEN	68.20	59.02	48.05	35.63	22.12	7.93
YBADJ	EMGEN	-6.49	-20.72	-33.81	-45.97	-57.29	-66.87
YBADJ	EMGEN	-74.41	-79.70	-82.56	-82.91	-80.75	-76.13
YBADJ	EMGEN	-68.20	-59.02	-48.05	-35.63	-22.12	-7.93
YBADJ	EMGEN	6.49	20.72	33.81	45.97	57.29	66.87
YBADJ	EMGEN	74.41	79.70	82.56	82.91	80.75	76.13
YBADJ	FIREPUMP	68.33	59.39	48.65	36.44	23.11	9.08
YBADJ	FIREPUMP	-5.22	-19.37	-32.42	-44.59	-55.95	-65.61
YBADJ	FIREPUMP	-73.28	-78.72	-81.77	-82.34	-80.40	-76.02
YBADJ	FIREPUMP	-68.33	-59.39	-48.65	-36.44	-23.11	-9.08
YBADJ	FIREPUMP	5.22	19.37	32.42	44.59	55.95	65.61
YBADJ	FIREPUMP	73.28	78.72	81.77	82.34	80.40	76.02
YBADJ	ID11	-46.20	-61.37	-74.60	1.33	9.13	16.65
YBADJ	ID11	23.66	29.96	35.86	40.55	43.47	45.07
YBADJ	ID11	-55.79	44.15	41.66	37.91	33.00	27.09
YBADJ	ID11	21.36	61.37	74.60	-1.33	-9.13	-16.65
YBADJ	ID11	-23.66	-29.96	-35.86	-40.55	-43.47	-45.07
YBADJ	ID11	55.79	40.02	23.03	5.34	-12.51	-29.93
YBADJ	ID12	-42.02	-57.36	-70.89	4.63	11.92	18.84
YBADJ	ID12	25.20	30.78	35.95	39.91	42.11	43.03
YBADJ	ID12	-58.44	-43.20	38.04	33.96	28.85	22.86
YBADJ	ID12	17.18	10.14	70.89	-4.63	-11.92	-18.84
YBADJ	ID12	-25.20	-30.78	-35.95	-39.91	-42.11	-43.03
YBADJ	ID12	58.44	43.20	26.65	9.28	-8.36	-25.70
YBADJ	ID13	-37.50	-53.05	-66.92	8.15	14.87	21.14
YBADJ	ID13	26.77	31.58	35.95	39.11	40.54	40.74
YBADJ	ID13	-61.39	-46.72	34.07	29.65	24.33	18.27
YBADJ	ID13	12.66	5.83	66.92	-8.15	-14.87	-21.14
YBADJ	ID13	-26.77	-31.58	-35.95	-39.11	-40.54	-40.74
YBADJ	ID13	61.39	46.72	30.62	13.60	-3.84	-21.11
YBADJ	ID14	-23.50	-39.77	-54.76	-68.08	23.72	27.91
YBADJ	ID14	31.25	33.64	35.52	36.20	35.25	33.22
YBADJ	ID14	-70.91	-57.94	-43.21	16.07	10.18	3.98
YBADJ	ID14	-1.34	-7.45	54.76	68.08	-23.72	-27.91
YBADJ	ID14	-31.25	-33.64	-35.52	-36.20	-35.25	-33.22
YBADJ	ID14	70.91	57.94	43.21	27.17	10.31	-6.82
YBADJ	ID15	-19.32	-35.76	-51.05	-64.79	26.51	30.10
YBADJ	ID15	32.78	34.46	35.61	35.56	33.88	31.18

YBADJ	ID15	27.53	-61.12	-46.83	12.13	6.03	-0.25
YBADJ	ID15	-5.52	-11.46	51.05	64.79	-26.51	-30.10
YBADJ	ID15	-32.78	-34.46	-35.61	-35.56	-33.88	-31.18
YBADJ	ID15	-27.53	61.12	46.83	31.12	14.46	-2.59
YBADJ	ID16	-14.80	-31.45	-47.08	-61.27	29.46	32.40
YBADJ	ID16	34.35	35.26	35.61	34.76	32.31	28.89
YBADJ	ID16	24.58	-64.64	-50.81	7.82	1.51	-4.84
YBADJ	ID16	-10.04	-15.77	47.08	61.27	-29.46	-32.40
YBADJ	ID16	-34.35	-35.26	-35.61	-34.76	-32.31	-28.89
YBADJ	ID16	-24.58	64.64	50.81	35.43	18.98	2.00
YBADJ	ID18	0.31	-17.03	-33.79	-49.52	-63.74	40.07
YBADJ	ID18	39.60	37.92	35.61	32.10	27.07	21.22
YBADJ	ID18	14.72	7.78	-64.09	-6.60	-13.60	-20.18
YBADJ	ID18	-25.15	-30.19	-34.31	49.52	63.74	-40.07
YBADJ	ID18	-39.60	-37.92	-35.61	-32.10	-27.07	-21.22
YBADJ	ID18	-14.72	-7.78	64.09	49.85	34.09	17.34
YBADJ	ID19	4.48	-13.04	-30.09	-46.23	-60.96	42.26
YBADJ	ID19	41.12	38.74	35.70	31.45	25.71	19.18
YBADJ	ID19	12.08	4.60	-67.70	-10.53	-17.74	-24.40
YBADJ	ID19	-29.32	-34.18	-38.00	46.23	60.96	-42.26
YBADJ	ID19	-41.12	-38.74	-35.70	-31.45	-25.71	-19.18
YBADJ	ID19	-12.08	-4.60	67.70	53.78	38.23	21.56
YBADJ	ID110	9.01	-8.72	-26.11	-42.70	-58.01	44.56
YBADJ	ID110	42.70	39.54	35.70	30.65	24.14	16.88
YBADJ	ID110	9.12	1.08	-71.68	-14.86	-22.27	-29.00
YBADJ	ID110	-33.85	-38.51	-41.99	42.70	58.01	-44.56
YBADJ	ID110	-42.70	-39.54	-35.70	-30.65	-24.14	-16.88
YBADJ	ID110	-9.12	-1.08	71.68	58.10	42.76	26.16
YBADJ	ID17	-11.00	-27.76	-43.61	-58.14	-70.90	34.59
YBADJ	ID17	35.97	36.25	35.95	34.44	31.33	27.28
YBADJ	ID17	22.40	-67.33	-53.93	4.36	-2.17	-8.64
YBADJ	ID17	-13.84	-19.46	43.61	58.14	70.90	-34.59
YBADJ	ID17	-35.97	-36.25	-35.95	-34.44	-31.33	-27.28
YBADJ	ID17	-22.40	67.33	53.93	38.89	22.66	5.80
YBADJ	ID21	-31.69	-39.83	-46.69	-52.13	-55.98	-58.14
YBADJ	ID21	-58.53	0.00	0.00	-49.54	-43.22	-35.59
YBADJ	ID21	-26.89	-17.36	-7.31	2.97	13.15	22.89
YBADJ	ID21	31.69	39.83	46.69	52.13	55.98	58.14
YBADJ	ID21	58.53	0.00	0.00	49.54	43.22	35.59
YBADJ	ID21	26.89	17.36	7.31	-2.97	-13.15	-22.89
YBADJ	ID22	31.13	20.10	8.53	-3.30	-15.03	-26.30
YBADJ	ID22	-36.77	-46.13	0.00	0.00	60.18	-67.55
YBADJ	ID22	-67.95	-66.28	-62.59	-57.01	-49.69	-40.91
YBADJ	ID22	-31.13	-20.10	-8.53	3.30	15.03	26.30

YBADJ	ID22	36.77	46.13	0.00	0.00	-60.18	67.55
YBADJ	ID22	67.95	66.28	62.59	57.01	49.69	40.91
YBADJ	ID23	-27.52	-35.83	-42.99	-48.83	-53.20	-55.95
YBADJ	ID23	-57.00	0.00	0.00	-50.18	-44.58	-37.63
YBADJ	ID23	-29.53	-20.53	-10.92	-0.97	9.01	18.67
YBADJ	ID23	27.52	35.83	42.99	48.83	53.20	55.95
YBADJ	ID23	57.00	0.00	0.00	50.18	44.58	37.63
YBADJ	ID23	29.53	20.53	10.92	0.97	-9.01	-18.67
YBADJ	ID24	-23.00	-31.52	-39.01	-45.32	-50.25	-53.65
YBADJ	ID24	-55.43	0.00	0.00	-50.98	-46.15	-39.92
YBADJ	ID24	-32.48	-24.05	-14.89	-5.28	4.49	14.08
YBADJ	ID24	23.00	31.52	39.01	45.32	50.25	53.65
YBADJ	ID24	55.43	0.00	0.00	50.98	46.15	39.92
YBADJ	ID24	32.48	24.05	14.89	5.28	-4.49	-14.08
YBADJ	ID25	-8.99	-18.23	-26.84	-34.64	-41.39	-46.88
YBADJ	ID25	-50.94	0.00	0.00	0.00	-51.45	-47.44
YBADJ	ID25	-42.00	-35.28	-27.49	-18.86	-9.66	-0.22
YBADJ	ID25	8.99	18.23	26.84	34.64	41.39	46.88
YBADJ	ID25	50.94	0.00	0.00	0.00	51.45	47.44
YBADJ	ID25	42.00	35.28	27.49	18.86	9.66	0.22
YBADJ	ID26	-4.81	-14.22	-23.13	-31.34	-38.60	-44.68
YBADJ	ID26	-49.41	0.00	0.00	0.00	-52.81	-49.48
YBADJ	ID26	-44.65	-38.46	-31.11	-22.81	-13.81	-4.45
YBADJ	ID26	4.81	14.22	23.13	31.34	38.60	44.68
YBADJ	ID26	49.41	0.00	0.00	0.00	52.81	49.48
YBADJ	ID26	44.65	38.46	31.11	22.81	13.81	4.45
YBADJ	ID27	-0.29	-9.91	-19.16	-27.83	-35.65	-42.39
YBADJ	ID27	-47.84	-51.84	0.00	0.00	-54.38	-51.78
YBADJ	ID27	-47.60	-41.98	-35.08	-27.12	-18.33	-9.04
YBADJ	ID27	0.29	9.91	19.16	27.83	35.65	42.39
YBADJ	ID27	47.84	51.84	0.00	0.00	54.38	51.78
YBADJ	ID27	47.60	41.98	35.08	27.12	18.33	9.04
YBADJ	ID28	3.50	-6.23	-15.71	-24.70	-32.95	-40.20
YBADJ	ID28	-46.22	-50.84	0.00	0.00	-55.35	-53.38
YBADJ	ID28	-49.78	-44.66	-38.20	-30.57	-22.01	-12.83
YBADJ	ID28	-3.50	6.23	15.71	24.70	32.95	40.20
YBADJ	ID28	46.22	50.84	0.00	0.00	55.35	53.38
YBADJ	ID28	49.78	44.66	38.20	30.57	22.01	12.83
YBADJ	IS29	22.43	11.79	0.85	-10.10	-20.76	-30.78
YBADJ	IS29	-39.86	-47.74	0.00	0.00	63.13	-63.21
YBADJ	IS29	-62.34	-59.57	-54.99	-48.75	-41.02	-32.09
YBADJ	IS29	-22.43	-11.79	-0.85	10.10	20.76	30.78
YBADJ	IS29	39.86	47.74	0.00	0.00	-63.13	63.21
YBADJ	IS29	62.34	59.57	54.99	48.75	41.02	32.09

```
YBADJ    ID210        26.60    15.78     4.55    -6.82   -17.98   -28.60
YBADJ    ID210       -38.34   -46.92     0.00     0.00    61.76   -65.25
YBADJ    ID210       -64.99   -62.75   -58.61   -52.68   -45.16   -36.31
YBADJ    ID210       -26.60   -15.78    -4.55     6.82    17.98    28.60
YBADJ    ID210        38.34    46.92     0.00     0.00   -61.76    65.25
YBADJ    ID210        64.99    62.75    58.61    52.68    45.16    36.31

URBANSRC ALL
SRCGROUP ALL
SO FINISHED
**
```

** AERMOD Receptor Pathway

```
**
**
RE STARTING
INCLUDED Mass_DPM_Operational.rou
RE FINISHED
**
```

** AERMOD Meteorology Pathway

```
**
**
ME STARTING
SURFFILE ..\kral_sfc_pfl\KRAL_V11_trimmed.sfc
PROFFILE ..\kral_sfc_pfl\KRAL_V11_trimmed.PFL
SURFDATA 3171 2019
UAIRDATA 3190 2019
PROFBASE 256.0 METERS
ME FINISHED
**
```

** AERMOD Output Pathway

```
**
**
OU STARTING
RECTABLE ALLAVE 1ST
RECTABLE 1 1ST
```

** Auto-Generated Plotfiles
PLOTFILE 1 ALL 1ST MASS_DPM_OPERATIONAL.AD\01H1GALL.PLT 31
PLOTFILE PERIOD ALL MASS_DPM_OPERATIONAL.AD\PE00GALL.PLT 32
SUMMFILE Mass_DPM_Operational.sum
OU FINISHED

*** Message Summary For AERMOD Model Setup ***

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

A Total of 0 Fatal Error Message(s)
A Total of 22 Warning Message(s)
A Total of 0 Informational Message(s)

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


********   WARNING MESSAGES   ********
```

SO W320 282 PPARM: Input Parameter May Be Out-of-Range for Parameter VS
SO W320 283 PPARM: Input Parameter May Be Out-of-Range for Parameter VS
SO W320 284 PPARM: Input Parameter May Be Out-of-Range for Parameter VS
SO W320 285 PPARM: Input Parameter May Be Out-of-Range for Parameter VS
SO W320 286 PPARM: Input Parameter May Be Out-of-Range for Parameter VS
SO W320 287 PPARM: Input Parameter May Be Out-of-Range for Parameter VS
SO W320 288 PPARM: Input Parameter May Be Out-of-Range for Parameter VS
SO W320 289 PPARM: Input Parameter May Be Out-of-Range for Parameter VS
SO W320 290 PPARM: Input Parameter May Be Out-of-Range for Parameter VS
SO W320 291 PPARM: Input Parameter May Be Out-of-Range for Parameter VS
SO W320 292 PPARM: Input Parameter May Be Out-of-Range for Parameter VS
SO W320 293 PPARM: Input Parameter May Be Out-of-Range for Parameter VS
SO W320 294 PPARM: Input Parameter May Be Out-of-Range for Parameter VS
SO W320 295 PPARM: Input Parameter May Be Out-of-Range for Parameter VS
SO W320 296 PPARM: Input Parameter May Be Out-of-Range for Parameter VS
SO W320 297 PPARM: Input Parameter May Be Out-of-Range for Parameter VS
SO W320 298 PPARM: Input Parameter May Be Out-of-Range for Parameter VS
SO W320 299 PPARM: Input Parameter May Be Out-of-Range for Parameter VS
SO W320 300 PPARM: Input Parameter May Be Out-of-Range for Parameter VS
SO W320 301 PPARM: Input Parameter May Be Out-of-Range for Parameter VS
ME W186 1130 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 1130 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

*** AERMOD - VERSION 24142 *** *** Massachusetts Avenue ***
02/05/25
*** AERMET - VERSION 22112 *** *** Period Average DPM Project Operations ***

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

** Model Options Selected:
* Model Uses Regulatory DEFAULT Options
* Model Is Setup For Calculation of Average CONCentration Values.
* NO GAS DEPOSITION Data Provided.
* NO PARTICLE DEPOSITION Data Provided.
* Model Uses NO DRY DEPLETION. DDPLETE = F
* Model Uses NO WET DEPLETION. WETDPLT = F
* Stack-tip Downwash.
* Model Accounts for ELEVated Terrain Effects.
* Use Calms Processing Routine.
* Use Missing Data Processing Routine.
* No Exponential Decay.
* Model Uses URBAN Dispersion Algorithm for the SBL for 65 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2492442.0 ; Urban Roughness Length = 1.000 m
* Urban Roughness Length of 1.0 Meter Used.
* ADJ_U* - Use ADJ_U* option for SBL in AERMET
* CCVR_Sub - Meteorological data includes CCVR substitutions
* TEMP_Sub - Meteorological data includes TEMP substitutions
* Model Assumes No FLAGPOLE Receptor Heights.
* The User Specified a Pollutant Type of: DPM

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates PERIOD Averages

**This Run Includes: 65 Source(s); 1 Source Group(s); and 1198 Receptor(s)

```
            with:     22 POINT(s), including
                       0 POINTCAP(s) and      0 POINTHOR(s)
             and:      0 VOLUME source(s)
             and:     43 AREA type source(s)
             and:      0 LINE source(s)
             and:      0 RLINE/RLINEXT source(s)
             and:      0 OPENPIT source(s)
             and:      0 BUOYANT LINE source(s) with a total of     0 line(s)
             and:      0 SWPOINT source(s)
```

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

**The AERMET Input Meteorological Data Version Date: 22112

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

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

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

Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 256.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M3

**Approximate Storage Requirements of Model = 3.8 MB of RAM.

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

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

*** AERMOD - VERSION 24142 *** *** Massachusetts Avenue *** 02/05/25
*** AERMET - VERSION 22112 *** *** Period Average DPM Project Operations *** 10:37:26
PAGE 2
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

```
                                                    *** POINT SOURCE DATA ***

            NUMBER EMISSION RATE                      BASE      STACK    STACK     STACK
STACK     BLDG    URBAN   CAP/   EMIS RATE
```

SOURCE PART. (GRAMS/SEC) X Y ELEV. HEIGHT TEMP. EXIT VEL. DIAMETER EXISTS
SOURCE HOR SCALAR
ID CATS. (METERS) (METERS) (METERS) (METERS) (DEG.K) (M/SEC) (METERS)
VARY BY

EMGEN	0	0.16500E-03	467175.6	3760946.5	272.1	7.40	749.26	0.00	10.36	YES	YES	NO
FIREPUMP	0	0.41300E-04	467175.5	3760945.2	272.1	7.40	749.26	0.00	10.36	YES	YES	NO
ID11	0	0.13300E-04	467072.3	3760876.9	271.0	3.66	366.48	51.70	0.10	YES	YES	NO
ID12	0	0.13300E-04	467076.6	3760876.8	271.0	3.66	366.48	51.70	0.10	YES	YES	NO
ID13	0	0.13300E-04	467081.2	3760876.8	271.1	3.66	366.48	51.70	0.10	YES	YES	NO
ID14	0	0.13300E-04	467095.5	3760877.2	271.5	3.66	366.48	51.70	0.10	YES	YES	NO
ID15	0	0.13300E-04	467099.7	3760877.1	271.7	3.66	366.48	51.70	0.10	YES	YES	NO
ID16	0	0.13300E-04	467104.3	3760877.1	271.8	3.66	366.48	51.70	0.10	YES	YES	NO
ID18	0	0.13300E-04	467119.6	3760877.1	272.0	3.66	366.48	51.70	0.10	YES	YES	NO
ID19	0	0.13300E-04	467123.8	3760877.0	272.0	3.66	366.48	51.70	0.10	YES	YES	NO
ID110	0	0.13300E-04	467128.4	3760877.0	272.0	3.66	366.48	51.70	0.10	YES	YES	NO

ID17	0	0.13300E-04	467108.1	3760876.8	271.9	3.66	366.48	51.70	0.10	YES	YES	NO
ID21	0	0.13300E-04	467079.4	3760833.2	272.0	3.66	366.48	51.70	0.10	YES	YES	NO
ID22	0	0.13300E-04	467143.2	3760833.3	273.0	3.66	366.48	51.70	0.10	YES	YES	NO
ID23	0	0.13300E-04	467083.6	3760833.2	272.0	3.66	366.48	51.70	0.10	YES	YES	NO
ID24	0	0.13300E-04	467088.2	3760833.2	272.0	3.66	366.48	51.70	0.10	YES	YES	NO
ID25	0	0.13300E-04	467102.5	3760833.6	272.0	3.66	366.48	51.70	0.10	YES	YES	NO
ID26	0	0.13300E-04	467106.7	3760833.5	272.0	3.66	366.48	51.70	0.10	YES	YES	NO
ID27	0	0.13300E-04	467111.3	3760833.5	272.1	3.66	366.48	51.70	0.10	YES	YES	NO
ID28	0	0.13300E-04	467115.1	3760833.2	272.2	3.66	366.48	51.70	0.10	YES	YES	NO
IS29	0	0.13300E-04	467134.4	3760833.4	272.8	3.66	366.48	51.70	0.10	YES	YES	NO
ID210	0	0.13300E-04	467138.6	3760833.3	273.0	3.66	366.48	51.70	0.10	YES	YES	NO

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY	EMISSION RATE AIRCRAFT
A0000023	0	0.26350E-08	467008.2	3760850.8	270.6	3.11	118.42	13.32	91.23	2.89	YES	NO
A0000024	0	0.26350E-08	467012.2	3760725.6	272.0	3.11	113.87	13.32	0.17	2.89	YES	NO
A0000025	0	0.26350E-08	467126.1	3760725.3	274.0	3.11	113.87	13.32	0.17	2.89	YES	NO
A0000026	0	0.26350E-08	467240.0	3760725.0	274.0	3.11	113.87	13.32	0.17	2.89	YES	NO
A0000027	0	0.26350E-08	467353.8	3760724.6	276.0	3.11	113.87	13.32	0.17	2.89	YES	NO
A0000028	0	0.26350E-08	467467.7	3760724.3	276.1	3.11	113.87	13.32	0.17	2.89	YES	NO
A0000029	0	0.26350E-08	467581.6	3760723.9	278.1	3.11	113.87	13.32	0.17	2.89	YES	NO
A0000030	0	0.26350E-08	467695.6	3760723.6	280.5	3.11	116.41	13.32	-0.79	2.89	YES	NO
A0000031	0	0.26350E-08	467805.2	3760731.9	283.9	3.11	100.28	13.32	90.10	2.89	YES	NO
A0000032	0	0.26350E-08	467805.0	3760631.6	281.3	3.11	100.28	13.32	90.10	2.89		

YES	NO											
A0000033	0	0.26350E-08	467804.9	3760531.3	283.5	3.11	100.28	13.32	90.10	2.89		
YES	NO											
A0000034	0	0.26350E-08	467804.7	3760431.0	285.9	3.11	100.28	13.32	90.10	2.89		
YES	NO											
A0000035	0	0.26350E-08	467811.2	3760324.1	287.0	3.11	122.67	13.32	-0.61	2.89		
YES	NO											
A0000036	0	0.26350E-08	467933.9	3760325.4	289.0	3.11	122.67	13.32	-0.61	2.89		
YES	NO											
A0000037	0	0.26350E-08	468056.6	3760326.7	290.7	3.11	122.67	13.32	-0.61	2.89		
YES	NO											
A0000038	0	0.26350E-08	468179.2	3760328.0	289.3	3.11	122.67	13.32	-0.61	2.89		
YES	NO											
A0000016	0	0.87863E-09	467183.0	3760981.7	272.0	3.11	30.08	13.32	-146.12	2.89		
YES	NO											
A0000017	0	0.87863E-09	467160.7	3760991.1	271.8	3.11	105.50	13.32	-74.05	2.89		
YES	NO											
A0000018	0	0.87863E-09	467190.0	3761094.2	270.8	3.11	37.76	13.32	-88.47	2.89		
YES	NO											
A0000019	0	0.87863E-09	467184.3	3761138.8	270.0	3.11	89.64	13.32	179.78	2.89		
YES	NO											
A0000020	0	0.87863E-09	467094.7	3761138.5	269.6	3.11	89.64	13.32	179.78	2.89		
YES	NO											
A0000021	0	0.87863E-09	467008.2	3761137.4	269.0	3.11	86.53	13.32	-152.14	2.89		
YES	NO											
A0000022	0	0.87863E-09	466931.7	3761177.8	268.0	3.11	86.53	13.32	-152.14	2.89		
YES	NO											
A0000039	0	0.15461E-08	467026.2	3760846.0	271.0	3.11	16.34	13.32	-28.56	2.89		
YES	NO											
A0000040	0	0.15461E-08	467039.6	3760853.4	271.0	3.11	21.09	13.32	-20.15	2.89		
YES	NO											
A0000041	0	0.15461E-08	467057.1	3760860.2	271.1	3.11	75.75	13.32	0.14	2.89	YES	
NO												
A0000042	0	0.15828E-08	467018.7	3760845.9	271.0	3.11	15.32	13.32	33.88	2.89		
YES	NO											
A0000043	0	0.15828E-08	467035.0	3760836.3	271.0	3.11	26.89	13.32	1.16	2.89	YES	
NO												
A0000044	0	0.15828E-08	467062.0	3760835.7	271.4	3.11	90.65	13.32	0.46	2.89	YES	
NO												
A0000045	0	0.11317E-08	467174.6	3760970.3	272.0	3.11	106.49	13.32	90.32	2.89		
YES	NO											
A0000046	0	0.11317E-08	467180.8	3760870.5	273.1	3.11	115.07	13.32	-179.41	2.89		
YES	NO											
A0000047	0	0.11314E-08	467174.3	3760971.2	272.0	3.11	125.13	13.32	90.00	2.89		
YES	NO											
A0000048	0	0.11314E-08	467181.1	3760852.7	273.3	3.11	117.74	13.32	-179.28	2.89		
YES	NO											
A0000049	0	0.18070E-08	467187.1	3760740.2	274.0	3.11	122.46	13.32	-90.00	2.89		

YES NO
A0000050 0 0.18070E-08 467180.4 3760869.3 273.1 3.11 114.77 13.32 179.85 2.89
YES NO
A0000051 0 0.74804E-08 467181.4 3760741.1 274.0 3.11 25.73 3.22 -90.00 2.89
YES NO
A0000052 0 0.74804E-08 467181.4 3760766.8 274.0 3.11 25.73 3.22 -90.00 2.89
YES NO
A0000053 0 0.74804E-08 467181.4 3760792.5 273.9 3.11 25.73 3.22 -90.00 2.89
YES NO
A0000054 0 0.74804E-08 467181.4 3760818.3 273.4 3.11 25.73 3.22 -90.00 2.89
YES NO
A0000055 0 0.74804E-08 467179.8 3760845.6 273.3 3.11 28.55 3.22 -179.26 2.89
YES NO

*** AREA SOURCE DATA ***

NUMBER EMISSION RATE COORD (SW CORNER) BASE RELEASE X-DIM Y-DIM
ORIENT. INIT. URBAN EMISSION RATE AIRCRAFT

SOURCE PART. (GRAMS/SEC X Y ELEV. HEIGHT OF AREA OF AREA OF AREA SZ
SOURCE SCALAR VARY
ID CATS. /METER**2) (METERS) (METERS) (METERS) (METERS) (METERS) (METERS) (DEG.)
(METERS) BY

A0000056 0 0.74804E-08 467151.3 3760846.0 273.0 3.11 28.55 3.22 -179.26 2.89
YES NO
A0000057 0 0.74804E-08 467122.7 3760846.3 272.4 3.11 28.55 3.22 -179.26 2.89
YES NO
A0000058 0 0.74804E-08 467094.2 3760846.7 272.0 3.11 28.55 3.22 -179.26 2.89
YES NO

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID SOURCE IDs

ALL A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 , A0000029 , A0000030 ,

```
         A0000031    , A0000032    , A0000033    , A0000034    , A0000035    ,
A0000036    , A0000037    , A0000038    ,

         EMGEN       , FIREPUMP    , A0000016    , A0000017    , A0000018    ,
A0000019    , A0000020    , A0000021    ,

         A0000022    , ID11        , ID12        , ID13        , ID14        , ID15
, ID16        , ID18        ,

         ID19        , ID110       , ID17        , ID21        , ID22        , ID23
, ID24        , ID25        ,

         ID26        , ID27        , ID28        , IS29        , ID210       ,
A0000039    , A0000040    , A0000041    ,

         A0000042    , A0000043    , A0000044    , A0000045    , A0000046    ,
A0000047    , A0000048    , A0000049    ,

         A0000050    , A0000051    , A0000052    , A0000053    , A0000054    ,
A0000055    , A0000056    , A0000057    ,

         A0000058    ,
```

*** AERMOD - VERSION 24142 *** *** Massachusetts Avenue *** 02/05/25
*** AERMET - VERSION 22112 *** *** Period Average DPM Project Operations *** 10:37:26
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID URBAN POP SOURCE IDs

```
          2492442.   A0000023    , A0000024    , A0000025    , A0000026    , A0000027
, A0000028    , A0000029    ,
```

A0000030 ,

```
         A0000031    , A0000032    , A0000033    , A0000034    , A0000035    ,
A0000036    , A0000037    , A0000038    ,

         EMGEN       , FIREPUMP    , A0000016    , A0000017    , A0000018    ,
A0000019    , A0000020    , A0000021    ,

         A0000022    , ID11        , ID12        , ID13        , ID14        , ID15
, ID16        , ID18        ,

         ID19        , ID110       , ID17        , ID21        , ID22        , ID23
, ID24        , ID25        ,
```

```
         ID26        , ID27        , ID28        , IS29        , ID210       ,
A0000039    , A0000040    , A0000041    ,

         A0000042    , A0000043    , A0000044    , A0000045    , A0000046    ,
A0000047    , A0000048    , A0000049    ,

         A0000050    , A0000051    , A0000052    , A0000053    , A0000054    ,
A0000055    , A0000056    , A0000057    ,

         A0000058    ,
```



```
                                        *** DIRECTION SPECIFIC BUILDING DIMENSIONS ***
```

SOURCE ID: EMGEN

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	157.4,	94.0,	-93.0,	68.2,	2	13.7,	162.4,	116.2,	-115.4,	59.0,
3	13.7,	162.4,	134.9,	-134.3,	48.0,	4	13.7,	157.5,	149.4,	-149.1,	35.6,
5	13.7,	147.8,	159.5,	-159.4,	22.1,	6	13.7,	133.6,	164.7,	-164.9,	7.9,
7	13.7,	115.3,	164.9,	-165.4,	-6.5,	8	13.7,	93.6,	160.1,	-160.8,	-20.7,
9	13.7,	70.0,	150.4,	-151.3,	-33.8,	10	13.7,	94.0,	157.4,	-146.9,	-46.0,
11	13.7,	116.2,	162.4,	-140.2,	-57.3,	12	13.7,	134.9,	162.4,	-129.2,	-66.9,
13	13.7,	149.4,	157.5,	-114.4,	-74.4,	14	13.7,	159.5,	147.8,	-96.0,	-79.7,
15	13.7,	164.7,	133.6,	-74.7,	-82.6,	16	13.7,	164.9,	115.3,	-51.2,	-82.9,
17	13.7,	160.1,	93.6,	-26.1,	-80.8,	18	13.7,	150.4,	70.0,	-1.2,	-76.1,
19	13.7,	157.4,	94.0,	-1.0,	-68.2,	20	13.7,	162.4,	116.2,	-0.8,	-59.0,
21	13.7,	162.4,	134.9,	-0.6,	-48.0,	22	13.7,	157.5,	149.4,	-0.3,	-35.6,
23	13.7,	147.8,	159.5,	-0.0,	-22.1,	24	13.7,	133.6,	164.7,	0.2,	-7.9,
25	13.7,	115.3,	164.9,	0.5,	6.5,	26	13.7,	93.6,	160.1,	0.7,	20.7,
27	13.7,	70.0,	150.4,	0.9,	33.8,	28	13.7,	94.0,	157.4,	-10.5,	46.0,
29	13.7,	116.2,	162.4,	-22.2,	57.3,	30	13.7,	134.9,	162.4,	-33.1,	66.9,
31	13.7,	149.4,	157.5,	-43.1,	74.4,	32	13.7,	159.5,	147.8,	-51.8,	79.7,
33	13.7,	164.7,	133.6,	-58.8,	82.6,	34	13.7,	164.9,	115.3,	-64.1,	82.9,
35	13.7,	160.1,	93.6,	-67.5,	80.8,	36	13.7,	150.4,	70.0,	-68.8,	76.1,

SOURCE ID: FIREPUMP

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	157.4,	94.0,	-91.6,	68.3,	2	13.7,	162.4,	116.2,	-114.0,	59.4,
3	13.7,	162.4,	134.9,	-133.0,	48.6,	4	13.7,	157.5,	149.4,	-148.0,	36.4,
5	13.7,	147.8,	159.5,	-158.5,	23.1,	6	13.7,	133.6,	164.7,	-164.1,	9.1,
7	13.7,	115.3,	164.9,	-164.8,	-5.2,	8	13.7,	93.6,	160.1,	-160.4,	-19.4,
9	13.7,	70.0,	150.4,	-151.2,	-32.4,	10	13.7,	94.0,	157.4,	-147.0,	-44.6,
11	13.7,	116.2,	162.4,	-140.6,	-55.9,	12	13.7,	134.9,	162.4,	-129.8,	-65.6,
13	13.7,	149.4,	157.5,	-115.2,	-73.3,	14	13.7,	159.5,	147.8,	-97.0,	-78.7,
15	13.7,	164.7,	133.6,	-75.9,	-81.8,	16	13.7,	164.9,	115.3,	-52.4,	-82.3,

17 13.7, 160.1, 93.6, -27.4, -80.4, 18 13.7, 150.4, 70.0, -2.6, -76.0,
19 13.7, 157.4, 94.0, -2.4, -68.3, 20 13.7, 162.4, 116.2, -2.1, -59.4,
21 13.7, 162.4, 134.9, -1.8, -48.6, 22 13.7, 157.5, 149.4, -1.4, -36.4,
23 13.7, 147.8, 159.5, -1.0, -23.1, 24 13.7, 133.6, 164.7, -0.6, -9.1,
25 13.7, 115.3, 164.9, -0.1, 5.2, 26 13.7, 93.6, 160.1, 0.4, 19.4,
27 13.7, 70.0, 150.4, 0.8, 32.4, 28 13.7, 94.0, 157.4, -10.4, 44.6,
29 13.7, 116.2, 162.4, -21.8, 55.9, 30 13.7, 134.9, 162.4, -32.5, 65.6,
31 13.7, 149.4, 157.5, -42.3, 73.3, 32 13.7, 159.5, 147.8, -50.8, 78.7,
33 13.7, 164.7, 133.6, -57.7, 81.8, 34 13.7, 164.9, 115.3, -62.9, 82.3,
35 13.7, 160.1, 93.6, -66.1, 80.4, 36 13.7, 150.4, 70.0, -67.4, 76.0,

SOURCE ID: ID11

IFV BH BW BL XADJ YADJ IFV BH BW BL XADJ YADJ
1 13.7, 130.4, 91.7, -137.2, -46.2, 2 13.7, 137.0, 108.8, -136.2, -61.4,
3 13.7, 139.5, 122.5, -131.1, -74.6, 4 13.7, 157.5, 149.4, -29.4, 1.3,
5 13.7, 147.8, 159.5, -35.6, 9.1, 6 13.7, 133.6, 164.7, -40.7, 16.7,
7 13.7, 115.3, 164.9, -44.5, 23.7, 8 13.7, 93.6, 160.1, -47.0, 30.0,
9 13.7, 70.0, 150.4, -48.1, 35.9, 10 13.7, 94.0, 157.4, -57.3, 40.5,
11 13.7, 116.2, 162.4, -67.0, 43.5, 12 13.7, 134.9, 162.4, -74.7, 45.1,
13 13.7, 132.5, 137.8, 16.7, -55.8, 14 13.7, 159.5, 147.8, -83.0, 44.1,
15 13.7, 164.7, 133.6, -83.4, 41.7, 16 13.7, 164.9, 115.3, -81.3, 37.9,
17 13.7, 160.1, 93.6, -76.7, 33.0, 18 13.7, 150.4, 70.0, -70.8, 27.1,
19 13.7, 157.4, 94.0, -87.5, 21.4, 20 13.7, 137.0, 108.8, 27.4, 61.4,
21 13.7, 139.5, 122.5, 8.6, 74.6, 22 13.7, 157.5, 149.4, -120.0, -1.3,
23 13.7, 147.8, 159.5, -123.9, -9.1, 24 13.7, 133.6, 164.7, -124.0, -16.7,
25 13.7, 115.3, 164.9, -120.3, -23.7, 26 13.7, 93.6, 160.1, -113.0, -30.0,
27 13.7, 70.0, 150.4, -102.3, -35.9, 28 13.7, 94.0, 157.4, -100.1, -40.5,
29 13.7, 116.2, 162.4, -95.3, -43.5, 30 13.7, 134.9, 162.4, -87.7, -45.1,
31 13.7, 132.5, 137.8, -154.5, 55.8, 32 13.7, 138.5, 131.9, -159.9, 40.0,
33 13.7, 140.2, 122.0, -160.5, 23.0, 34 13.7, 137.7, 108.4, -156.2, 5.3,
35 13.7, 131.1, 91.5, -147.1, -12.5, 36 13.7, 120.5, 72.2, -134.0, -29.9,

SOURCE ID: ID12

IFV BH BW BL XADJ YADJ IFV BH BW BL XADJ YADJ
1 13.7, 130.4, 91.7, -137.8, -42.0, 2 13.7, 137.0, 108.8, -137.6, -57.4,
3 13.7, 139.5, 122.5, -133.2, -70.9, 4 13.7, 157.5, 149.4, -32.1, 4.6,
5 13.7, 147.8, 159.5, -38.8, 11.9, 6 13.7, 133.6, 164.7, -44.3, 18.8,
7 13.7, 115.3, 164.9, -48.5, 25.2, 8 13.7, 93.6, 160.1, -51.2, 30.8,
9 13.7, 70.0, 150.4, -52.3, 35.9, 10 13.7, 94.0, 157.4, -61.5, 39.9,
11 13.7, 116.2, 162.4, -71.0, 42.1, 12 13.7, 134.9, 162.4, -78.4, 43.0,
13 13.7, 132.5, 137.8, 13.4, -58.4, 14 13.7, 138.5, 131.9, 25.2, -43.2,
15 13.7, 164.7, 133.6, -85.6, 38.0, 16 13.7, 164.9, 115.3, -82.9, 34.0,
17 13.7, 160.1, 93.6, -77.6, 28.9, 18 13.7, 150.4, 70.0, -70.9, 22.9,
19 13.7, 157.4, 94.0, -86.9, 17.2, 20 13.7, 162.4, 116.2, -100.2, 10.1,
21 13.7, 139.5, 122.5, 10.7, 70.9, 22 13.7, 157.5, 149.4, -117.4, -4.6,
23 13.7, 147.8, 159.5, -120.7, -11.9, 24 13.7, 133.6, 164.7, -120.4, -18.8,
25 13.7, 115.3, 164.9, -116.4, -25.2, 26 13.7, 93.6, 160.1, -108.9, -30.8,
27 13.7, 70.0, 150.4, -98.0, -35.9, 28 13.7, 94.0, 157.4, -95.9, -39.9,
29 13.7, 116.2, 162.4, -91.3, -42.1, 30 13.7, 134.9, 162.4, -84.0, -43.0,

31 13.7, 132.5, 137.8, -151.2, 58.4, 32 13.7, 138.5, 131.9, -157.1, 43.2,
33 13.7, 140.2, 122.0, -158.3, 26.7, 34 13.7, 137.7, 108.4, -154.6, 9.3,
35 13.7, 131.1, 91.5, -146.3, -8.4, 36 13.7, 120.5, 72.2, -133.9, -25.7,

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: ID13
IFV BH BW BL XADJ YADJ IFV BH BW BL XADJ YADJ
1 13.7, 130.4, 91.7, -138.6, -37.5, 2 13.7, 137.0, 108.8, -139.1, -53.0,
3 13.7, 139.5, 122.5, -135.5, -66.9, 4 13.7, 157.5, 149.4, -35.0, 8.2,
5 13.7, 147.8, 159.5, -42.3, 14.9, 6 13.7, 133.6, 164.7, -48.3, 21.1,
7 13.7, 115.3, 164.9, -52.8, 26.8, 8 13.7, 93.6, 160.1, -55.7, 31.6,
9 13.7, 70.0, 150.4, -56.9, 35.9, 10 13.7, 94.0, 157.4, -66.0, 39.1,
11 13.7, 116.2, 162.4, -75.3, 40.5, 12 13.7, 134.9, 162.4, -82.4, 40.7,
13 13.7, 132.5, 137.8, 9.9, -61.4, 14 13.7, 138.5, 131.9, 22.2, -46.7,
15 13.7, 164.7, 133.6, -87.9, 34.1, 16 13.7, 164.9, 115.3, -84.4, 29.7,
17 13.7, 160.1, 93.6, -78.4, 24.3, 18 13.7, 150.4, 70.0, -70.9, 18.3,
19 13.7, 157.4, 94.0, -86.1, 12.7, 20 13.7, 162.4, 116.2, -98.6, 5.8,
21 13.7, 139.5, 122.5, 13.0, 66.9, 22 13.7, 157.5, 149.4, -114.4, -8.2,
23 13.7, 147.8, 159.5, -117.2, -14.9, 24 13.7, 133.6, 164.7, -116.4, -21.1,
25 13.7, 115.3, 164.9, -112.1, -26.8, 26 13.7, 93.6, 160.1, -104.4, -31.6,
27 13.7, 70.0, 150.4, -93.5, -35.9, 28 13.7, 94.0, 157.4, -91.4, -39.1,
29 13.7, 116.2, 162.4, -87.0, -40.5, 30 13.7, 134.9, 162.4, -80.0, -40.7,
31 13.7, 132.5, 137.8, -147.7, 61.4, 32 13.7, 138.5, 131.9, -154.2, 46.7,
33 13.7, 140.2, 122.0, -156.0, 30.6, 34 13.7, 137.7, 108.4, -153.1, 13.6,
35 13.7, 131.1, 91.5, -145.5, -3.8, 36 13.7, 120.5, 72.2, -133.9, -21.1,

SOURCE ID: ID14
IFV BH BW BL XADJ YADJ IFV BH BW BL XADJ YADJ
1 13.7, 130.4, 91.7, -141.5, -23.5, 2 13.7, 137.0, 108.8, -144.4, -39.8,
3 13.7, 139.5, 122.5, -143.0, -54.8, 4 13.7, 137.8, 132.5, -137.2, -68.1,
5 13.7, 147.8, 159.5, -53.5, 23.7, 6 13.7, 133.6, 164.7, -60.9, 27.9,
7 13.7, 115.3, 164.9, -66.4, 31.2, 8 13.7, 93.6, 160.1, -69.8, 33.6,
9 13.7, 70.0, 150.4, -71.2, 35.5, 10 13.7, 94.0, 157.4, -80.0, 36.2,
11 13.7, 116.2, 162.4, -88.6, 35.2, 12 13.7, 134.9, 162.4, -94.5, 33.2,
13 13.7, 132.5, 137.8, -0.8, -70.9, 14 13.7, 138.5, 131.9, 13.4, -57.9,
15 13.7, 140.2, 122.0, 27.2, -43.2, 16 13.7, 164.9, 115.3, -88.9, 16.1,
17 13.7, 160.1, 93.6, -80.4, 10.2, 18 13.7, 150.4, 70.0, -70.5, 4.0,
19 13.7, 157.4, 94.0, -83.2, -1.3, 20 13.7, 162.4, 116.2, -93.3, -7.5,
21 13.7, 139.5, 122.5, 20.5, 54.8, 22 13.7, 137.8, 132.5, 4.7, 68.1,
23 13.7, 147.8, 159.5, -106.0, -23.7, 24 13.7, 133.6, 164.7, -103.8, -27.9,
25 13.7, 115.3, 164.9, -98.5, -31.2, 26 13.7, 93.6, 160.1, -90.2, -33.6,
27 13.7, 70.0, 150.4, -79.2, -35.5, 28 13.7, 94.0, 157.4, -77.4, -36.2,

29 13.7, 116.2, 162.4, -73.7, -35.2, 30 13.7, 134.9, 162.4, -67.8, -33.2,
31 13.7, 132.5, 137.8, -137.0, 70.9, 32 13.7, 138.5, 131.9, -145.3, 57.9,
33 13.7, 140.2, 122.0, -149.2, 43.2, 34 13.7, 137.7, 108.4, -148.6, 27.2,
35 13.7, 131.1, 91.5, -143.4, 10.3, 36 13.7, 120.5, 72.2, -134.3, -6.8,

SOURCE ID: ID15
IFV BH BW BL XADJ YADJ IFV BH BW BL XADJ YADJ
1 13.7, 130.4, 91.7, -142.2, -19.3, 2 13.7, 137.0, 108.8, -145.8, -35.8,
3 13.7, 139.5, 122.5, -145.0, -51.0, 4 13.7, 137.8, 132.5, -139.8, -64.8,
5 13.7, 147.8, 159.5, -56.7, 26.5, 6 13.7, 133.6, 164.7, -64.5, 30.1,
7 13.7, 115.3, 164.9, -70.3, 32.8, 8 13.7, 93.6, 160.1, -74.0, 34.5,
9 13.7, 70.0, 150.4, -75.4, 35.6, 10 13.7, 94.0, 157.4, -84.2, 35.6,
11 13.7, 116.2, 162.4, -92.6, 33.9, 12 13.7, 134.9, 162.4, -98.2, 31.2,
13 13.7, 149.4, 157.5, -100.8, 27.5, 14 13.7, 138.5, 131.9, 10.6, -61.1,
15 13.7, 140.2, 122.0, 25.0, -46.8, 16 13.7, 164.9, 115.3, -90.4, 12.1,
17 13.7, 160.1, 93.6, -81.2, 6.0, 18 13.7, 150.4, 70.0, -70.6, -0.2,
19 13.7, 157.4, 94.0, -82.5, -5.5, 20 13.7, 162.4, 116.2, -92.0, -11.5,
21 13.7, 139.5, 122.5, 22.5, 51.0, 22 13.7, 137.8, 132.5, 7.3, 64.8,
23 13.7, 147.8, 159.5, -102.8, -26.5, 24 13.7, 133.6, 164.7, -100.2, -30.1,
25 13.7, 115.3, 164.9, -94.6, -32.8, 26 13.7, 93.6, 160.1, -86.1, -34.5,
27 13.7, 70.0, 150.4, -74.9, -35.6, 28 13.7, 94.0, 157.4, -73.2, -35.6,
29 13.7, 116.2, 162.4, -69.7, -33.9, 30 13.7, 134.9, 162.4, -64.1, -31.2,
31 13.7, 149.4, 157.5, -56.6, -27.5, 32 13.7, 138.5, 131.9, -142.5, 61.1,
33 13.7, 140.2, 122.0, -147.0, 46.8, 34 13.7, 137.7, 108.4, -147.0, 31.1,
35 13.7, 131.1, 91.5, -142.6, 14.5, 36 13.7, 120.5, 72.2, -134.2, -2.6,

SOURCE ID: ID16
IFV BH BW BL XADJ YADJ IFV BH BW BL XADJ YADJ
1 13.7, 130.4, 91.7, -143.0, -14.8, 2 13.7, 137.0, 108.8, -147.4, -31.4,
3 13.7, 139.5, 122.5, -147.3, -47.1, 4 13.7, 137.8, 132.5, -142.8, -61.3,
5 13.7, 147.8, 159.5, -60.2, 29.5, 6 13.7, 133.6, 164.7, -68.5, 32.4,
7 13.7, 115.3, 164.9, -74.6, 34.3, 8 13.7, 93.6, 160.1, -78.5, 35.3,
9 13.7, 70.0, 150.4, -80.0, 35.6, 10 13.7, 94.0, 157.4, -88.8, 34.8,
11 13.7, 116.2, 162.4, -97.0, 32.3, 12 13.7, 134.9, 162.4, -102.2, 28.9,
13 13.7, 149.4, 157.5, -104.4, 24.6, 14 13.7, 138.5, 131.9, 7.6, -64.6,
15 13.7, 140.2, 122.0, 22.7, -50.8, 16 13.7, 164.9, 115.3, -92.0, 7.8,
17 13.7, 160.1, 93.6, -82.0, 1.5, 18 13.7, 150.4, 70.0, -70.6, -4.8,
19 13.7, 157.4, 94.0, -81.7, -10.0, 20 13.7, 162.4, 116.2, -90.4, -15.8,
21 13.7, 139.5, 122.5, 24.8, 47.1, 22 13.7, 137.8, 132.5, 10.3, 61.3,
23 13.7, 147.8, 159.5, -99.3, -29.5, 24 13.7, 133.6, 164.7, -96.2, -32.4,
25 13.7, 115.3, 164.9, -90.2, -34.3, 26 13.7, 93.6, 160.1, -81.5, -35.3,
27 13.7, 70.0, 150.4, -70.3, -35.6, 28 13.7, 94.0, 157.4, -68.7, -34.8,
29 13.7, 116.2, 162.4, -65.4, -32.3, 30 13.7, 134.9, 162.4, -60.2, -28.9,
31 13.7, 149.4, 157.5, -53.1, -24.6, 32 13.7, 138.5, 131.9, -139.6, 64.6,
33 13.7, 140.2, 122.0, -144.7, 50.8, 34 13.7, 137.7, 108.4, -145.5, 35.4,
35 13.7, 131.1, 91.5, -141.8, 19.0, 36 13.7, 120.5, 72.2, -134.2, 2.0,

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: ID18

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	130.4,	91.7,	-145.6,	0.3,	2	13.7,	137.0,	108.8,	-152.6,	-17.0,
3	13.7,	139.5,	122.5,	-155.0,	-33.8,	4	13.7,	137.8,	132.5,	-152.6,	-49.5,
5	13.7,	131.9,	138.5,	-145.6,	-63.7,	6	13.7,	133.6,	164.7,	-81.7,	40.1,
7	13.7,	115.3,	164.9,	-89.0,	39.6,	8	13.7,	93.6,	160.1,	-93.6,	37.9,
9	13.7,	70.0,	150.4,	-95.4,	35.6,	10	13.7,	94.0,	157.4,	-103.9,	32.1,
11	13.7,	116.2,	162.4,	-111.4,	27.1,	12	13.7,	134.9,	162.4,	-115.5,	21.2,
13	13.7,	149.4,	157.5,	-116.1,	14.7,	14	13.7,	159.5,	147.8,	-113.2,	7.8,
15	13.7,	140.2,	122.0,	15.0,	-64.1,	16	13.7,	164.9,	115.3,	-97.3,	-6.6,
17	13.7,	160.1,	93.6,	-84.7,	-13.6,	18	13.7,	150.4,	70.0,	-70.6,	-20.2,
19	13.7,	157.4,	94.0,	-79.1,	-25.2,	20	13.7,	162.4,	116.2,	-85.2,	-30.2,
21	13.7,	162.4,	134.9,	-88.6,	-34.3,	22	13.7,	137.8,	132.5,	20.1,	49.5,
23	13.7,	131.9,	138.5,	7.2,	63.7,	24	13.7,	133.6,	164.7,	-82.9,	-40.1,
25	13.7,	115.3,	164.9,	-75.8,	-39.6,	26	13.7,	93.6,	160.1,	-66.4,	-37.9,
27	13.7,	70.0,	150.4,	-55.0,	-35.6,	28	13.7,	94.0,	157.4,	-53.6,	-32.1,
29	13.7,	116.2,	162.4,	-51.0,	-27.1,	30	13.7,	134.9,	162.4,	-46.9,	-21.2,
31	13.7,	149.4,	157.5,	-41.3,	-14.7,	32	13.7,	159.5,	147.8,	-34.6,	-7.8,
33	13.7,	140.2,	122.0,	-137.1,	64.1,	34	13.7,	137.7,	108.4,	-140.2,	49.8,
35	13.7,	131.1,	91.5,	-139.1,	34.1,	36	13.7,	120.5,	72.2,	-134.2,	17.3,

SOURCE ID: ID19

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	130.4,	91.7,	-146.3,	4.5,	2	13.7,	137.0,	108.8,	-154.0,	-13.0,
3	13.7,	139.5,	122.5,	-157.0,	-30.1,	4	13.7,	137.8,	132.5,	-155.3,	-46.2,
5	13.7,	131.9,	138.5,	-148.8,	-61.0,	6	13.7,	133.6,	164.7,	-85.3,	42.3,
7	13.7,	115.3,	164.9,	-93.0,	41.1,	8	13.7,	93.6,	160.1,	-97.8,	38.7,
9	13.7,	70.0,	150.4,	-99.6,	35.7,	10	13.7,	94.0,	157.4,	-108.0,	31.4,
11	13.7,	116.2,	162.4,	-115.4,	25.7,	12	13.7,	134.9,	162.4,	-119.2,	19.2,
13	13.7,	149.4,	157.5,	-119.4,	12.1,	14	13.7,	159.5,	147.8,	-116.0,	4.6,
15	13.7,	140.2,	122.0,	12.8,	-67.7,	16	13.7,	164.9,	115.3,	-98.8,	-10.5,
17	13.7,	160.1,	93.6,	-85.5,	-17.7,	18	13.7,	150.4,	70.0,	-70.7,	-24.4,
19	13.7,	157.4,	94.0,	-78.4,	-29.3,	20	13.7,	162.4,	116.2,	-83.8,	-34.2,
21	13.7,	162.4,	134.9,	-86.6,	-38.0,	22	13.7,	137.8,	132.5,	22.8,	46.2,
23	13.7,	131.9,	138.5,	10.3,	61.0,	24	13.7,	133.6,	164.7,	-79.3,	-42.3,
25	13.7,	115.3,	164.9,	-71.9,	-41.1,	26	13.7,	93.6,	160.1,	-62.3,	-38.7,
27	13.7,	70.0,	150.4,	-50.8,	-35.7,	28	13.7,	94.0,	157.4,	-49.4,	-31.4,
29	13.7,	116.2,	162.4,	-47.0,	-25.7,	30	13.7,	134.9,	162.4,	-43.2,	-19.2,
31	13.7,	149.4,	157.5,	-38.1,	-12.1,	32	13.7,	159.5,	147.8,	-31.8,	-4.6,
33	13.7,	140.2,	122.0,	-134.9,	67.7,	34	13.7,	137.7,	108.4,	-138.7,	53.8,
35	13.7,	131.1,	91.5,	-138.3,	38.2,	36	13.7,	120.5,	72.2,	-134.1,	21.6,

SOURCE ID: ID110

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	130.4,	91.7,	-147.1,	9.0,	2	13.7,	137.0,	108.8,	-155.5,	-8.7,
3	13.7,	139.5,	122.5,	-159.3,	-26.1,	4	13.7,	137.8,	132.5,	-158.2,	-42.7,
5	13.7,	131.9,	138.5,	-152.3,	-58.0,	6	13.7,	133.6,	164.7,	-89.3,	44.6,
7	13.7,	115.3,	164.9,	-97.3,	42.7,	8	13.7,	93.6,	160.1,	-102.3,	39.5,
9	13.7,	70.0,	150.4,	-104.2,	35.7,	10	13.7,	94.0,	157.4,	-112.6,	30.7,
11	13.7,	116.2,	162.4,	-119.7,	24.1,	12	13.7,	134.9,	162.4,	-123.2,	16.9,
13	13.7,	149.4,	157.5,	-122.9,	9.1,	14	13.7,	159.5,	147.8,	-118.9,	1.1,
15	13.7,	140.2,	122.0,	10.5,	-71.7,	16	13.7,	164.9,	115.3,	-100.4,	-14.9,
17	13.7,	160.1,	93.6,	-86.3,	-22.3,	18	13.7,	150.4,	70.0,	-70.7,	-29.0,
19	13.7,	157.4,	94.0,	-77.6,	-33.8,	20	13.7,	162.4,	116.2,	-82.2,	-38.5,
21	13.7,	162.4,	134.9,	-84.3,	-42.0,	22	13.7,	137.8,	132.5,	25.7,	42.7,
23	13.7,	131.9,	138.5,	13.9,	58.0,	24	13.7,	133.6,	164.7,	-75.3,	-44.6,
25	13.7,	115.3,	164.9,	-67.6,	-42.7,	26	13.7,	93.6,	160.1,	-57.8,	-39.5,
27	13.7,	70.0,	150.4,	-46.2,	-35.7,	28	13.7,	94.0,	157.4,	-44.8,	-30.7,
29	13.7,	116.2,	162.4,	-42.7,	-24.1,	30	13.7,	134.9,	162.4,	-39.2,	-16.9,
31	13.7,	149.4,	157.5,	-34.5,	-9.1,	32	13.7,	159.5,	147.8,	-28.8,	-1.1,
33	13.7,	140.2,	122.0,	-132.6,	71.7,	34	13.7,	137.7,	108.4,	-137.1,	58.1,
35	13.7,	131.1,	91.5,	-137.5,	42.8,	36	13.7,	120.5,	72.2,	-134.1,	26.2,

SOURCE ID: ID17

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	130.4,	91.7,	-143.3,	-11.0,	2	13.7,	137.0,	108.8,	-148.3,	-27.8,
3	13.7,	139.5,	122.5,	-148.9,	-43.6,	4	13.7,	137.8,	132.5,	-144.9,	-58.1,
5	13.7,	131.9,	138.5,	-136.6,	-70.9,	6	13.7,	133.6,	164.7,	-71.6,	34.6,
7	13.7,	115.3,	164.9,	-78.1,	36.0,	8	13.7,	93.6,	160.1,	-82.2,	36.2,
9	13.7,	70.0,	150.4,	-83.8,	35.9,	10	13.7,	94.0,	157.4,	-92.5,	34.4,
11	13.7,	116.2,	162.4,	-100.6,	31.3,	12	13.7,	134.9,	162.4,	-105.7,	27.3,
13	13.7,	149.4,	157.5,	-107.5,	22.4,	14	13.7,	138.5,	131.9,	4.9,	-67.3,
15	13.7,	140.2,	122.0,	20.5,	-53.9,	16	13.7,	164.9,	115.3,	-93.6,	4.4,
17	13.7,	160.1,	93.6,	-83.0,	-2.2,	18	13.7,	150.4,	70.0,	-70.9,	-8.6,
19	13.7,	157.4,	94.0,	-81.4,	-13.8,	20	13.7,	162.4,	116.2,	-89.4,	-19.5,
21	13.7,	139.5,	122.5,	26.4,	43.6,	22	13.7,	137.8,	132.5,	12.4,	58.1,
23	13.7,	131.9,	138.5,	-1.9,	70.9,	24	13.7,	133.6,	164.7,	-93.1,	-34.6,
25	13.7,	115.3,	164.9,	-86.8,	-36.0,	26	13.7,	93.6,	160.1,	-77.9,	-36.2,
27	13.7,	70.0,	150.4,	-66.5,	-35.9,	28	13.7,	94.0,	157.4,	-64.9,	-34.4,
29	13.7,	116.2,	162.4,	-61.7,	-31.3,	30	13.7,	134.9,	162.4,	-56.7,	-27.3,
31	13.7,	149.4,	157.5,	-50.0,	-22.4,	32	13.7,	138.5,	131.9,	-136.9,	67.3,
33	13.7,	140.2,	122.0,	-142.5,	53.9,	34	13.7,	137.7,	108.4,	-143.9,	38.9,
35	13.7,	131.1,	91.5,	-140.8,	22.7,	36	13.7,	120.5,	72.2,	-133.9,	5.8,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: ID21

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	130.4,	91.7,	-95.4,	-31.7,	2	13.7,	137.0,	108.8,	-97.6,	-39.8,
3	13.7,	139.5,	122.5,	-96.8,	-46.7,	4	13.7,	137.8,	132.5,	-93.1,	-52.1,
5	13.7,	131.9,	138.5,	-86.6,	-56.0,	6	13.7,	122.0,	140.2,	-77.4,	-58.1,
7	13.7,	108.4,	137.7,	-65.9,	-58.5,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	13.7,	91.7,	130.4,	-33.5,	-49.5,
11	13.7,	108.8,	137.0,	-28.7,	-43.2,	12	13.7,	122.5,	139.5,	-23.1,	-35.6,
13	13.7,	132.5,	137.8,	-16.8,	-26.9,	14	13.7,	138.5,	131.9,	-10.0,	-17.4,
15	13.7,	140.2,	122.0,	-2.9,	-7.3,	16	13.7,	137.7,	108.4,	4.3,	3.0,
17	13.7,	131.1,	91.5,	11.4,	13.2,	18	13.7,	120.5,	72.2,	18.1,	22.9,
19	13.7,	130.4,	91.7,	3.7,	31.7,	20	13.7,	137.0,	108.8,	-11.2,	39.8,
21	13.7,	139.5,	122.5,	-25.7,	46.7,	22	13.7,	137.8,	132.5,	-39.4,	52.1,
23	13.7,	131.9,	138.5,	-51.9,	56.0,	24	13.7,	122.0,	140.2,	-62.8,	58.1,
25	13.7,	108.4,	137.7,	-71.8,	58.5,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	13.7,	91.7,	130.4,	-96.9,	49.5,
29	13.7,	108.8,	137.0,	-108.3,	43.2,	30	13.7,	122.5,	139.5,	-116.5,	35.6,
31	13.7,	132.5,	137.8,	-121.0,	26.9,	32	13.7,	138.5,	131.9,	-122.0,	17.4,
33	13.7,	140.2,	122.0,	-119.1,	7.3,	34	13.7,	137.7,	108.4,	-112.7,	-3.0,
35	13.7,	131.1,	91.5,	-102.9,	-13.2,	36	13.7,	120.5,	72.2,	-90.3,	-22.9,

SOURCE ID: ID22

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	130.4,	91.7,	-106.6,	31.1,	2	13.7,	137.0,	108.8,	-119.5,	20.1,
3	13.7,	139.5,	122.5,	-128.8,	8.5,	4	13.7,	137.8,	132.5,	-134.2,	-3.3,
5	13.7,	131.9,	138.5,	-135.5,	-15.0,	6	13.7,	122.0,	140.2,	-132.7,	-26.3,
7	13.7,	108.4,	137.7,	-125.9,	-36.8,	8	13.7,	91.5,	131.1,	-115.2,	-46.1,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	0.0,	0.0,	0.0,	0.0,	0.0,
11	13.7,	116.2,	162.4,	-148.5,	60.2,	12	13.7,	122.5,	139.5,	-78.3,	-67.5,
13	13.7,	132.5,	137.8,	-65.6,	-68.0,	14	13.7,	138.5,	131.9,	-50.9,	-66.3,
15	13.7,	140.2,	122.0,	-34.7,	-62.6,	16	13.7,	137.7,	108.4,	-17.4,	-57.0,
17	13.7,	131.1,	91.5,	0.4,	-49.7,	18	13.7,	120.5,	72.2,	18.2,	-40.9,
19	13.7,	130.4,	91.7,	14.8,	-31.1,	20	13.7,	137.0,	108.8,	10.7,	-20.1,
21	13.7,	139.5,	122.5,	6.3,	-8.5,	22	13.7,	137.8,	132.5,	1.7,	3.3,
23	13.7,	131.9,	138.5,	-3.0,	15.0,	24	13.7,	122.0,	140.2,	-7.5,	26.3,
25	13.7,	108.4,	137.7,	-11.9,	36.8,	26	13.7,	91.5,	131.1,	-15.8,	46.1,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	0.0,	0.0,	0.0,	0.0,	0.0,
29	13.7,	116.2,	162.4,	-13.9,	-60.2,	30	13.7,	122.5,	139.5,	-61.2,	67.5,
31	13.7,	132.5,	137.8,	-72.2,	68.0,	32	13.7,	138.5,	131.9,	-81.0,	66.3,
33	13.7,	140.2,	122.0,	-87.3,	62.6,	34	13.7,	137.7,	108.4,	-91.0,	57.0,
35	13.7,	131.1,	91.5,	-91.9,	49.7,	36	13.7,	120.5,	72.2,	-90.4,	40.9,

SOURCE ID: ID23

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	130.4,	91.7,	-96.0,	-27.5,	2	13.7,	137.0,	108.8,	-99.0,	-35.8,
3	13.7,	139.5,	122.5,	-98.9,	-43.0,	4	13.7,	137.8,	132.5,	-95.8,	-48.8,
5	13.7,	131.9,	138.5,	-89.8,	-53.2,	6	13.7,	122.0,	140.2,	-81.0,	-55.9,

7 13.7, 108.4, 137.7, -69.8, -57.0, 8 0.0, 0.0, 0.0, 0.0, 0.0,
9 0.0, 0.0, 0.0, 0.0, 0.0, 10 13.7, 91.7, 130.4, -37.7, -50.2,
11 13.7, 108.8, 137.0, -32.7, -44.6, 12 13.7, 122.5, 139.5, -26.8, -37.6,
13 13.7, 132.5, 137.8, -20.1, -29.5, 14 13.7, 138.5, 131.9, -12.8, -20.5,
15 13.7, 140.2, 122.0, -5.1, -10.9, 16 13.7, 137.7, 108.4, 2.8, -1.0,
17 13.7, 131.1, 91.5, 10.6, 9.0, 18 13.7, 120.5, 72.2, 18.0, 18.7,
19 13.7, 130.4, 91.7, 4.3, 27.5, 20 13.7, 137.0, 108.8, -9.8, 35.8,
21 13.7, 139.5, 122.5, -23.6, 43.0, 22 13.7, 137.8, 132.5, -36.7, 48.8,
23 13.7, 131.9, 138.5, -48.7, 53.2, 24 13.7, 122.0, 140.2, -59.2, 55.9,
25 13.7, 108.4, 137.7, -67.9, 57.0, 26 0.0, 0.0, 0.0, 0.0, 0.0,
27 0.0, 0.0, 0.0, 0.0, 0.0, 28 13.7, 91.7, 130.4, -92.7, 50.2,
29 13.7, 108.8, 137.0, -104.3, 44.6, 30 13.7, 122.5, 139.5, -112.8, 37.6,
31 13.7, 132.5, 137.8, -117.7, 29.5, 32 13.7, 138.5, 131.9, -119.2, 20.5,
33 13.7, 140.2, 122.0, -117.0, 10.9, 34 13.7, 137.7, 108.4, -111.2, 1.0,
35 13.7, 131.1, 91.5, -102.1, -9.0, 36 13.7, 120.5, 72.2, -90.2, -18.7,

SOURCE ID: ID24
IFV BH BW BL XADJ YADJ IFV BH BW BL XADJ YADJ
1 13.7, 130.4, 91.7, -96.8, -23.0, 2 13.7, 137.0, 108.8, -100.5, -31.5,
3 13.7, 139.5, 122.5, -101.2, -39.0, 4 13.7, 137.8, 132.5, -98.7, -45.3,
5 13.7, 131.9, 138.5, -93.3, -50.2, 6 13.7, 122.0, 140.2, -85.0, -53.6,
7 13.7, 108.4, 137.7, -74.1, -55.4, 8 0.0, 0.0, 0.0, 0.0, 0.0,
9 0.0, 0.0, 0.0, 0.0, 0.0, 10 13.7, 91.7, 130.4, -42.2, -51.0,
11 13.7, 108.8, 137.0, -37.0, -46.1, 12 13.7, 122.5, 139.5, -30.8, -39.9,
13 13.7, 132.5, 137.8, -23.6, -32.5, 14 13.7, 138.5, 131.9, -15.7, -24.1,
15 13.7, 140.2, 122.0, -7.4, -14.9, 16 13.7, 137.7, 108.4, 1.2, -5.3,
17 13.7, 131.1, 91.5, 9.8, 4.5, 18 13.7, 120.5, 72.2, 18.0, 14.1,
19 13.7, 130.4, 91.7, 5.1, 23.0, 20 13.7, 137.0, 108.8, -8.2, 31.5,
21 13.7, 139.5, 122.5, -21.3, 39.0, 22 13.7, 137.8, 132.5, -33.8, 45.3,
23 13.7, 131.9, 138.5, -45.2, 50.2, 24 13.7, 122.0, 140.2, -55.2, 53.6,
25 13.7, 108.4, 137.7, -63.6, 55.4, 26 0.0, 0.0, 0.0, 0.0, 0.0,
27 0.0, 0.0, 0.0, 0.0, 0.0, 28 13.7, 91.7, 130.4, -88.2, 51.0,
29 13.7, 108.8, 137.0, -100.0, 46.1, 30 13.7, 122.5, 139.5, -108.8, 39.9,
31 13.7, 132.5, 137.8, -114.2, 32.5, 32 13.7, 138.5, 131.9, -116.2, 24.1,
33 13.7, 140.2, 122.0, -114.7, 14.9, 34 13.7, 137.7, 108.4, -109.6, 5.3,
35 13.7, 131.1, 91.5, -101.3, -4.5, 36 13.7, 120.5, 72.2, -90.2, -14.1,

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: ID25
IFV BH BW BL XADJ YADJ IFV BH BW BL XADJ YADJ
1 13.7, 130.4, 91.7, -99.8, -9.0, 2 13.7, 137.0, 108.8, -105.8, -18.2,
3 13.7, 139.5, 122.5, -108.7, -26.8, 4 13.7, 137.8, 132.5, -108.2, -34.6,

5 13.7, 131.9, 138.5, -104.5, -41.4, 6 13.7, 122.0, 140.2, -97.6, -46.9,
7 13.7, 108.4, 137.7, -87.7, -50.9, 8 0.0, 0.0, 0.0, 0.0, 0.0,
9 0.0, 0.0, 0.0, 0.0, 0.0, 10 0.0, 0.0, 0.0, 0.0, 0.0,
11 13.7, 108.8, 137.0, -50.3, -51.4, 12 13.7, 122.5, 139.5, -42.9, -47.4,
13 13.7, 132.5, 137.8, -34.3, -42.0, 14 13.7, 138.5, 131.9, -24.6, -35.3,
15 13.7, 140.2, 122.0, -14.1, -27.5, 16 13.7, 137.7, 108.4, -3.3, -18.9,
17 13.7, 131.1, 91.5, 7.7, -9.7, 18 13.7, 120.5, 72.2, 18.4, -0.2,
19 13.7, 130.4, 91.7, 8.0, 9.0, 20 13.7, 137.0, 108.8, -2.9, 18.2,
21 13.7, 139.5, 122.5, -13.8, 26.8, 22 13.7, 137.8, 132.5, -24.2, 34.6,
23 13.7, 131.9, 138.5, -33.9, 41.4, 24 13.7, 122.0, 140.2, -42.6, 46.9,
25 13.7, 108.4, 137.7, -50.0, 50.9, 26 0.0, 0.0, 0.0, 0.0, 0.0,
27 0.0, 0.0, 0.0, 0.0, 0.0, 28 0.0, 0.0, 0.0, 0.0, 0.0,
29 13.7, 108.8, 137.0, -86.7, 51.4, 30 13.7, 122.5, 139.5, -96.6, 47.4,
31 13.7, 132.5, 137.8, -103.5, 42.0, 32 13.7, 138.5, 131.9, -107.3, 35.3,
33 13.7, 140.2, 122.0, -107.9, 27.5, 34 13.7, 137.7, 108.4, -105.1, 18.9,
35 13.7, 131.1, 91.5, -99.2, 9.7, 36 13.7, 120.5, 72.2, -90.6, 0.2,

SOURCE ID: ID26
IFV BH BW BL XADJ YADJ IFV BH BW BL XADJ YADJ
1 13.7, 130.4, 91.7, -100.4, -4.8, 2 13.7, 137.0, 108.8, -107.2, -14.2,
3 13.7, 139.5, 122.5, -110.7, -23.1, 4 13.7, 137.8, 132.5, -110.9, -31.3,
5 13.7, 131.9, 138.5, -107.7, -38.6, 6 13.7, 122.0, 140.2, -101.2, -44.7,
7 13.7, 108.4, 137.7, -91.7, -49.4, 8 0.0, 0.0, 0.0, 0.0, 0.0,
9 0.0, 0.0, 0.0, 0.0, 0.0, 10 0.0, 0.0, 0.0, 0.0, 0.0,
11 13.7, 108.8, 137.0, -54.3, -52.8, 12 13.7, 122.5, 139.5, -46.6, -49.5,
13 13.7, 132.5, 137.8, -37.6, -44.6, 14 13.7, 138.5, 131.9, -27.4, -38.5,
15 13.7, 140.2, 122.0, -16.3, -31.1, 16 13.7, 137.7, 108.4, -4.8, -22.8,
17 13.7, 131.1, 91.5, 6.9, -13.8, 18 13.7, 120.5, 72.2, 18.3, -4.5,
19 13.7, 130.4, 91.7, 8.7, 4.8, 20 13.7, 137.0, 108.8, -1.6, 14.2,
21 13.7, 139.5, 122.5, -11.8, 23.1, 22 13.7, 137.8, 132.5, -21.6, 31.3,
23 13.7, 131.9, 138.5, -30.8, 38.6, 24 13.7, 122.0, 140.2, -39.0, 44.7,
25 13.7, 108.4, 137.7, -46.1, 49.4, 26 0.0, 0.0, 0.0, 0.0, 0.0,
27 0.0, 0.0, 0.0, 0.0, 0.0, 28 0.0, 0.0, 0.0, 0.0, 0.0,
29 13.7, 108.8, 137.0, -82.7, 52.8, 30 13.7, 122.5, 139.5, -92.9, 49.5,
31 13.7, 132.5, 137.8, -100.2, 44.6, 32 13.7, 138.5, 131.9, -104.6, 38.5,
33 13.7, 140.2, 122.0, -105.7, 31.1, 34 13.7, 137.7, 108.4, -103.6, 22.8,
35 13.7, 131.1, 91.5, -98.4, 13.8, 36 13.7, 120.5, 72.2, -90.6, 4.5,

SOURCE ID: ID27
IFV BH BW BL XADJ YADJ IFV BH BW BL XADJ YADJ
1 13.7, 130.4, 91.7, -101.2, -0.3, 2 13.7, 137.0, 108.8, -108.8, -9.9,
3 13.7, 139.5, 122.5, -113.0, -19.2, 4 13.7, 137.8, 132.5, -113.8, -27.8,
5 13.7, 131.9, 138.5, -111.2, -35.6, 6 13.7, 122.0, 140.2, -105.2, -42.4,
7 13.7, 108.4, 137.7, -96.0, -47.8, 8 13.7, 91.5, 131.1, -83.9, -51.8,
9 0.0, 0.0, 0.0, 0.0, 0.0, 10 0.0, 0.0, 0.0, 0.0, 0.0,
11 13.7, 108.8, 137.0, -58.6, -54.4, 12 13.7, 122.5, 139.5, -50.6, -51.8,
13 13.7, 132.5, 137.8, -41.1, -47.6, 14 13.7, 138.5, 131.9, -30.3, -42.0,
15 13.7, 140.2, 122.0, -18.6, -35.1, 16 13.7, 137.7, 108.4, -6.4, -27.1,
17 13.7, 131.1, 91.5, 6.1, -18.3, 18 13.7, 120.5, 72.2, 18.3, -9.0,

19 13.7, 130.4, 91.7, 9.5, 0.3, 20 13.7, 137.0, 108.8, -0.0, 9.9,
21 13.7, 139.5, 122.5, -9.5, 19.2, 22 13.7, 137.8, 132.5, -18.7, 27.8,
23 13.7, 131.9, 138.5, -27.2, 35.6, 24 13.7, 122.0, 140.2, -35.0, 42.4,
25 13.7, 108.4, 137.7, -41.8, 47.8, 26 13.7, 91.5, 131.1, -47.2, 51.8,
27 0.0, 0.0, 0.0, 0.0, 0.0, 28 0.0, 0.0, 0.0, 0.0, 0.0,
29 13.7, 108.8, 137.0, -78.4, 54.4, 30 13.7, 122.5, 139.5, -88.9, 51.8,
31 13.7, 132.5, 137.8, -96.7, 47.6, 32 13.7, 138.5, 131.9, -101.6, 42.0,
33 13.7, 140.2, 122.0, -103.4, 35.1, 34 13.7, 137.7, 108.4, -102.0, 27.1,
35 13.7, 131.1, 91.5, -97.6, 18.3, 36 13.7, 120.5, 72.2, -90.6, 9.0,

SOURCE ID: ID28
IFV BH BW BL XADJ YADJ IFV BH BW BL XADJ YADJ
1 13.7, 130.4, 91.7, -101.5, 3.5, 2 13.7, 137.0, 108.8, -109.7, -6.2,
3 13.7, 139.5, 122.5, -114.6, -15.7, 4 13.7, 137.8, 132.5, -116.0, -24.7,
5 13.7, 131.9, 138.5, -113.9, -32.9, 6 13.7, 122.0, 140.2, -108.3, -40.2,
7 13.7, 108.4, 137.7, -99.4, -46.2, 8 13.7, 91.5, 131.1, -87.5, -50.8,
9 0.0, 0.0, 0.0, 0.0, 0.0, 10 0.0, 0.0, 0.0, 0.0, 0.0,
11 13.7, 108.8, 137.0, -62.3, -55.3, 12 13.7, 122.5, 139.5, -54.1, -53.4,
13 13.7, 132.5, 137.8, -44.2, -49.8, 14 13.7, 138.5, 131.9, -33.0, -44.7,
15 13.7, 140.2, 122.0, -20.8, -38.2, 16 13.7, 137.7, 108.4, -8.0, -30.6,
17 13.7, 131.1, 91.5, 5.1, -22.0, 18 13.7, 120.5, 72.2, 18.0, -12.8,
19 13.7, 130.4, 91.7, 9.8, -3.5, 20 13.7, 137.0, 108.8, 1.0, 6.2,
21 13.7, 139.5, 122.5, -7.9, 15.7, 22 13.7, 137.8, 132.5, -16.5, 24.7,
23 13.7, 131.9, 138.5, -24.6, 32.9, 24 13.7, 122.0, 140.2, -31.9, 40.2,
25 13.7, 108.4, 137.7, -38.3, 46.2, 26 13.7, 91.5, 131.1, -43.5, 50.8,
27 0.0, 0.0, 0.0, 0.0, 0.0, 28 0.0, 0.0, 0.0, 0.0, 0.0,
29 13.7, 108.8, 137.0, -74.7, 55.3, 30 13.7, 122.5, 139.5, -85.5, 53.4,
31 13.7, 132.5, 137.8, -93.6, 49.8, 32 13.7, 138.5, 131.9, -98.9, 44.7,
33 13.7, 140.2, 122.0, -101.2, 38.2, 34 13.7, 137.7, 108.4, -100.4, 30.6,
35 13.7, 131.1, 91.5, -96.6, 22.0, 36 13.7, 120.5, 72.2, -90.2, 12.8,

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: IS29
IFV BH BW BL XADJ YADJ IFV BH BW BL XADJ YADJ
1 13.7, 130.4, 91.7, -105.1, 22.4, 2 13.7, 137.0, 108.8, -116.5, 11.8,
3 13.7, 139.5, 122.5, -124.5, 0.9, 4 13.7, 137.8, 132.5, -128.6, -10.1,
5 13.7, 131.9, 138.5, -128.8, -20.8, 6 13.7, 122.0, 140.2, -125.1, -30.8,
7 13.7, 108.4, 137.7, -117.6, -39.9, 8 13.7, 91.5, 131.1, -106.5, -47.7,
9 0.0, 0.0, 0.0, 0.0, 0.0, 10 0.0, 0.0, 0.0, 0.0, 0.0,
11 13.7, 116.2, 162.4, -140.2, 63.1, 12 13.7, 122.5, 139.5, -70.6, -63.2,
13 13.7, 132.5, 137.8, -58.8, -62.3, 14 13.7, 138.5, 131.9, -45.2, -59.6,
15 13.7, 140.2, 122.0, -30.2, -55.0, 16 13.7, 137.7, 108.4, -14.4, -48.8,

17 13.7, 131.1, 91.5, 2.0, -41.0, 18 13.7, 120.5, 72.2, 18.2, -32.1,
19 13.7, 130.4, 91.7, 13.4, -22.4, 20 13.7, 137.0, 108.8, 7.8, -11.8,
21 13.7, 139.5, 122.5, 2.0, -0.9, 22 13.7, 137.8, 132.5, -3.9, 10.1,
23 13.7, 131.9, 138.5, -9.7, 20.8, 24 13.7, 122.0, 140.2, -15.1, 30.8,
25 13.7, 108.4, 137.7, -20.1, 39.9, 26 13.7, 91.5, 131.1, -24.5, 47.7,
27 0.0, 0.0, 0.0, 0.0, 0.0, 28 0.0, 0.0, 0.0, 0.0, 0.0,
29 13.7, 116.2, 162.4, -22.2, -63.1, 30 13.7, 122.5, 139.5, -68.9, 63.2,
31 13.7, 132.5, 137.8, -79.0, 62.3, 32 13.7, 138.5, 131.9, -86.7, 59.6,
33 13.7, 140.2, 122.0, -91.8, 55.0, 34 13.7, 137.7, 108.4, -94.1, 48.8,
35 13.7, 131.1, 91.5, -93.5, 41.0, 36 13.7, 120.5, 72.2, -90.5, 32.1,

SOURCE ID: ID210
IFV BH BW BL XADJ YADJ IFV BH BW BL XADJ YADJ
1 13.7, 130.4, 91.7, -105.8, 26.6, 2 13.7, 137.0, 108.8, -117.9, 15.8,
3 13.7, 139.5, 122.5, -126.5, 4.5, 4 13.7, 137.8, 132.5, -131.2, -6.8,
5 13.7, 131.9, 138.5, -132.0, -18.0, 6 13.7, 122.0, 140.2, -128.7, -28.6,
7 13.7, 108.4, 137.7, -121.5, -38.3, 8 13.7, 91.5, 131.1, -110.7, -46.9,
9 0.0, 0.0, 0.0, 0.0, 0.0, 10 0.0, 0.0, 0.0, 0.0, 0.0,
11 13.7, 116.2, 162.4, -144.2, 61.8, 12 13.7, 122.5, 139.5, -74.3, -65.2,
13 13.7, 132.5, 137.8, -62.1, -65.0, 14 13.7, 138.5, 131.9, -48.0, -62.8,
15 13.7, 140.2, 122.0, -32.4, -58.6, 16 13.7, 137.7, 108.4, -15.9, -52.7,
17 13.7, 131.1, 91.5, 1.2, -45.2, 18 13.7, 120.5, 72.2, 18.2, -36.3,
19 13.7, 130.4, 91.7, 14.0, -26.6, 20 13.7, 137.0, 108.8, 9.2, -15.8,
21 13.7, 139.5, 122.5, 4.0, -4.5, 22 13.7, 137.8, 132.5, -1.2, 6.8,
23 13.7, 131.9, 138.5, -6.5, 18.0, 24 13.7, 122.0, 140.2, -11.5, 28.6,
25 13.7, 108.4, 137.7, -16.2, 38.3, 26 13.7, 91.5, 131.1, -20.4, 46.9,
27 0.0, 0.0, 0.0, 0.0, 0.0, 28 0.0, 0.0, 0.0, 0.0, 0.0,
29 13.7, 116.2, 162.4, -18.2, -61.8, 30 13.7, 122.5, 139.5, -65.2, 65.2,
31 13.7, 132.5, 137.8, -75.7, 65.0, 32 13.7, 138.5, 131.9, -84.0, 62.8,
33 13.7, 140.2, 122.0, -89.6, 58.6, 34 13.7, 137.7, 108.4, -92.6, 52.7,
35 13.7, 131.1, 91.5, -92.7, 45.2, 36 13.7, 120.5, 72.2, -90.4, 36.3,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

 ( 466821.8, 3760535.7,     272.0,     272.0,       0.0);         ( 466841.8,
3760535.7,     272.0,     272.0,       0.0);
 ( 466861.8, 3760535.7,     272.0,     272.0,       0.0);         ( 466881.8,
3760535.7,     272.0,     272.0,       0.0);
 ( 466901.8, 3760535.7,     272.0,     272.0,       0.0);         ( 466921.8,
3760535.7,     272.3,     272.3,       0.0);
 ( 466941.8, 3760535.7,     272.6,     272.6,       0.0);         ( 466961.8,
3760535.7,     273.0,     273.0,       0.0);
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 ( 466981.8, 3760535.7,     273.0,     273.0,       0.0);         ( 467001.8,
3760535.7,     273.4,     273.4,       0.0);
 ( 467021.8, 3760535.7,     274.0,     274.0,       0.0);         ( 467041.8,
3760535.7,     274.0,     274.0,       0.0);
 ( 467061.8, 3760535.7,     274.2,     274.2,       0.0);         ( 467081.8,
3760535.7,     274.4,     274.4,       0.0);
 ( 467101.8, 3760535.7,     274.8,     274.8,       0.0);         ( 467121.8,
3760535.7,     275.2,     275.2,       0.0);
 ( 467141.8, 3760535.7,     275.4,     275.4,       0.0);         ( 467161.8,
3760535.7,     275.8,     275.8,       0.0);
 ( 467181.8, 3760535.7,     276.2,     276.2,       0.0);         ( 467201.8,
3760535.7,     276.4,     276.4,       0.0);
 ( 467221.8, 3760535.7,     276.8,     276.8,       0.0);         ( 467241.8,
3760535.7,     277.0,     592.0,       0.0);
 ( 467261.8, 3760535.7,     277.1,     592.0,       0.0);         ( 467281.8,
3760535.7,     277.8,     592.0,       0.0);
 ( 467301.8, 3760535.7,     278.0,     592.0,       0.0);         ( 467321.8,
3760535.7,     278.1,     914.0,       0.0);
 ( 467341.8, 3760535.7,     278.8,     914.0,       0.0);         ( 467361.8,
3760535.7,     279.0,     914.0,       0.0);
 ( 467381.8, 3760535.7,     279.0,     914.0,       0.0);         ( 466821.8,
3760555.7,     271.8,     271.8,       0.0);
 ( 466841.8, 3760555.7,     272.0,     272.0,       0.0);         ( 466861.8,
3760555.7,     272.0,     272.0,       0.0);
 ( 466881.8, 3760555.7,     272.0,     272.0,       0.0);         ( 466901.8,
3760555.7,     272.0,     272.0,       0.0);
 ( 466921.8, 3760555.7,     272.0,     272.0,       0.0);         ( 466941.8,
3760555.7,     272.4,     272.4,       0.0);
 ( 466961.8, 3760555.7,     273.0,     273.0,       0.0);         ( 466981.8,
3760555.7,     273.0,     273.0,       0.0);
 ( 467001.8, 3760555.7,     273.3,     273.3,       0.0);         ( 467021.8,
3760555.7,     273.7,     273.7,       0.0);
 ( 467041.8, 3760555.7,     273.9,     273.9,       0.0);         ( 467061.8,
3760555.7,     274.0,     274.0,       0.0);
 ( 467081.8, 3760555.7,     274.1,     274.1,       0.0);         ( 467101.8,
3760555.7,     274.8,     274.8,       0.0);
 ( 467121.8, 3760555.7,     275.0,     275.0,       0.0);         ( 467141.8,
3760555.7,     275.1,     275.1,       0.0);
 ( 467161.8, 3760555.7,     275.8,     275.8,       0.0);         ( 467181.8,
3760555.7,     276.0,     276.0,       0.0);
 ( 467201.8, 3760555.7,     276.1,     276.1,       0.0);         ( 467221.8,
3760555.7,     276.5,     592.0,       0.0);
 ( 467241.8, 3760555.7,     276.8,     592.0,       0.0);         ( 467261.8,
3760555.7,     277.1,     592.0,       0.0);
 ( 467281.8, 3760555.7,     277.5,     592.0,       0.0);         ( 467301.8,
3760555.7,     277.8,     592.0,       0.0);
 ( 467321.8, 3760555.7,     278.1,     914.0,       0.0);         ( 467341.8,
3760555.7,     278.5,     914.0,       0.0);
 ( 467361.8, 3760555.7,     278.8,     914.0,       0.0);         ( 467381.8,
3760555.7,     279.0,     914.0,       0.0);
 ( 466821.8, 3760575.7,     271.4,     271.4,       0.0);         ( 466841.8,
3760575.7,     272.0,     272.0,       0.0);
 ( 466861.8, 3760575.7,     272.0,     272.0,       0.0);         ( 466881.8,
3760575.7,     272.0,     272.0,       0.0);
 ( 466901.8, 3760575.7,     272.0,     272.0,       0.0);         ( 466921.8,
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3760575.7,     272.0,     272.0,       0.0);
 ( 466941.8, 3760575.7,     272.4,     272.4,       0.0);         ( 466961.8,
3760575.7,     273.0,     273.0,       0.0);
 ( 466981.8, 3760575.7,     273.0,     273.0,       0.0);         ( 467001.8,
3760575.7,     273.0,     273.0,       0.0);
 ( 467021.8, 3760575.7,     273.1,     273.1,       0.0);         ( 467041.8,
3760575.7,     273.8,     273.8,       0.0);
 ( 467061.8, 3760575.7,     274.0,     274.0,       0.0);         ( 467081.8,
3760575.7,     274.1,     274.1,       0.0);
 ( 467101.8, 3760575.7,     274.8,     274.8,       0.0);         ( 467121.8,
3760575.7,     275.0,     275.0,       0.0);
 ( 467141.8, 3760575.7,     275.1,     275.1,       0.0);         ( 467161.8,
3760575.7,     275.8,     275.8,       0.0);
 ( 467181.8, 3760575.7,     276.0,     276.0,       0.0);         ( 467201.8,
3760575.7,     276.0,     276.0,       0.0);
 ( 467221.8, 3760575.7,     276.0,     592.0,       0.0);         ( 467241.8,
3760575.7,     276.4,     592.0,       0.0);
 ( 467261.8, 3760575.7,     277.0,     592.0,       0.0);         ( 467281.8,
3760575.7,     277.0,     592.0,       0.0);
 ( 467301.8, 3760575.7,     277.4,     592.0,       0.0);         ( 467321.8,
3760575.7,     278.0,     592.0,       0.0);
 ( 467341.8, 3760575.7,     278.0,     914.0,       0.0);         ( 467361.8,
3760575.7,     278.4,     914.0,       0.0);
 ( 467381.8, 3760575.7,     279.0,     914.0,       0.0);         ( 466821.8,
3760595.7,     271.2,     271.2,       0.0);
 ( 466841.8, 3760595.7,     271.4,     271.4,       0.0);         ( 466861.8,
3760595.7,     271.4,     271.4,       0.0);
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                                        *** DISCRETE CARTESIAN RECEPTORS ***
                                     (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

 ( 466881.8, 3760595.7,     271.6,     271.6,       0.0);         ( 466901.8,
3760595.7,     272.0,     272.0,       0.0);
 ( 466921.8, 3760595.7,     272.0,     272.0,       0.0);         ( 466941.8,
3760595.7,     272.2,     272.2,       0.0);
 ( 466961.8, 3760595.7,     272.4,     272.4,       0.0);         ( 466981.8,
3760595.7,     272.8,     272.8,       0.0);
 ( 467001.8, 3760595.7,     273.0,     273.0,       0.0);         ( 467021.8,
3760595.7,     273.1,     273.1,       0.0);
 ( 467041.8, 3760595.7,     273.8,     273.8,       0.0);         ( 467061.8,
3760595.7,     274.0,     274.0,       0.0);
 ( 467081.8, 3760595.7,     274.0,     274.0,       0.0);         ( 467101.8,
3760595.7,     274.3,     274.3,       0.0);
 ( 467121.8, 3760595.7,     274.6,     274.6,       0.0);         ( 467141.8,
3760595.7,     275.0,     275.0,       0.0);
 ( 467161.8, 3760595.7,     275.3,     275.3,       0.0);         ( 467181.8,
3760595.7,     275.6,     275.6,       0.0);
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 ( 467201.8, 3760595.7,     276.0,     276.0,       0.0);         ( 467221.8,
3760595.7,     276.0,     592.0,       0.0);
 ( 467241.8, 3760595.7,     276.2,     592.0,       0.0);         ( 467261.8,
3760595.7,     276.4,     592.0,       0.0);
 ( 467281.8, 3760595.7,     276.8,     592.0,       0.0);         ( 467301.8,
3760595.7,     277.2,     592.0,       0.0);
 ( 467321.8, 3760595.7,     277.4,     592.0,       0.0);         ( 467341.8,
3760595.7,     277.8,     914.0,       0.0);
 ( 467361.8, 3760595.7,     278.2,     914.0,       0.0);         ( 467381.8,
3760595.7,     278.4,     914.0,       0.0);
 ( 466821.8, 3760615.7,     270.8,     270.8,       0.0);         ( 466841.8,
3760615.7,     271.0,     271.0,       0.0);
 ( 466861.8, 3760615.7,     271.0,     271.0,       0.0);         ( 466881.8,
3760615.7,     271.3,     271.3,       0.0);
 ( 466901.8, 3760615.7,     271.7,     271.7,       0.0);         ( 466921.8,
3760615.7,     271.9,     271.9,       0.0);
 ( 466941.8, 3760615.7,     272.0,     272.0,       0.0);         ( 466961.8,
3760615.7,     272.1,     272.1,       0.0);
 ( 466981.8, 3760615.7,     272.5,     272.5,       0.0);         ( 467001.8,
3760615.7,     272.8,     272.8,       0.0);
 ( 467021.8, 3760615.7,     273.1,     273.1,       0.0);         ( 467041.8,
3760615.7,     273.5,     273.5,       0.0);
 ( 467061.8, 3760615.7,     273.8,     273.8,       0.0);         ( 467081.8,
3760615.7,     274.0,     274.0,       0.0);
 ( 467101.8, 3760615.7,     274.0,     274.0,       0.0);         ( 467121.8,
3760615.7,     274.4,     274.4,       0.0);
 ( 467141.8, 3760615.7,     275.0,     275.0,       0.0);         ( 467161.8,
3760615.7,     275.0,     275.0,       0.0);
 ( 467181.8, 3760615.7,     275.3,     275.3,       0.0);         ( 467201.8,
3760615.7,     275.7,     592.0,       0.0);
 ( 467221.8, 3760615.7,     275.7,     592.0,       0.0);         ( 467241.8,
3760615.7,     275.8,     592.0,       0.0);
 ( 467261.8, 3760615.7,     276.1,     592.0,       0.0);         ( 467281.8,
3760615.7,     276.5,     592.0,       0.0);
 ( 467301.8, 3760615.7,     276.8,     592.0,       0.0);         ( 467321.8,
3760615.7,     277.1,     592.0,       0.0);
 ( 467341.8, 3760615.7,     277.5,     914.0,       0.0);         ( 467361.8,
3760615.7,     277.8,     914.0,       0.0);
 ( 467381.8, 3760615.7,     278.1,     914.0,       0.0);         ( 466821.8,
3760635.7,     270.4,     270.4,       0.0);
 ( 466841.8, 3760635.7,     271.0,     271.0,       0.0);         ( 466861.8,
3760635.7,     271.0,     271.0,       0.0);
 ( 466881.8, 3760635.7,     271.0,     271.0,       0.0);         ( 466901.8,
3760635.7,     271.1,     271.1,       0.0);
 ( 466921.8, 3760635.7,     271.8,     271.8,       0.0);         ( 466941.8,
3760635.7,     272.0,     272.0,       0.0);
 ( 466961.8, 3760635.7,     272.0,     272.0,       0.0);         ( 466981.8,
3760635.7,     272.0,     272.0,       0.0);
 ( 467001.8, 3760635.7,     272.4,     272.4,       0.0);         ( 467021.8,
3760635.7,     273.0,     273.0,       0.0);
 ( 467041.8, 3760635.7,     273.0,     273.0,       0.0);         ( 467061.8,
3760635.7,     273.4,     273.4,       0.0);
 ( 467081.8, 3760635.7,     274.0,     274.0,       0.0);         ( 467101.8,
3760635.7,     274.0,     274.0,       0.0);
 ( 467121.8, 3760635.7,     274.4,     274.4,       0.0);         ( 467141.8,
```

```
3760635.7,     275.0,     275.0,       0.0);
 ( 467161.8, 3760635.7,     275.0,     275.0,       0.0);         ( 467181.8,
3760635.7,     275.0,     592.0,       0.0);
 ( 467201.8, 3760635.7,     275.0,     592.0,       0.0);         ( 467221.8,
3760635.7,     275.0,     592.0,       0.0);
 ( 467241.8, 3760635.7,     275.4,     592.0,       0.0);         ( 467261.8,
3760635.7,     276.0,     592.0,       0.0);
 ( 467281.8, 3760635.7,     276.0,     592.0,       0.0);         ( 467301.8,
3760635.7,     276.4,     592.0,       0.0);
 ( 467321.8, 3760635.7,     277.0,     592.0,       0.0);         ( 467341.8,
3760635.7,     277.0,     914.0,       0.0);
 ( 467361.8, 3760635.7,     277.4,     914.0,       0.0);         ( 467381.8,
3760635.7,     278.0,     914.0,       0.0);
 ( 466821.8, 3760655.7,     270.2,     270.2,       0.0);         ( 466841.8,
3760655.7,     270.4,     270.4,       0.0);
 ( 466861.8, 3760655.7,     270.8,     270.8,       0.0);         ( 466881.8,
3760655.7,     271.0,     271.0,       0.0);
 ( 466901.8, 3760655.7,     271.0,     271.0,       0.0);         ( 466921.8,
3760655.7,     271.3,     271.3,       0.0);
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                                        *** DISCRETE CARTESIAN RECEPTORS ***
                                   (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

 ( 466941.8, 3760655.7,     271.6,     271.6,       0.0);         ( 466961.8,
3760655.7,     272.0,     272.0,       0.0);
 ( 466981.8, 3760655.7,     272.0,     272.0,       0.0);         ( 467001.8,
3760655.7,     272.4,     272.4,       0.0);
 ( 467021.8, 3760655.7,     273.0,     273.0,       0.0);         ( 467041.8,
3760655.7,     273.0,     273.0,       0.0);
 ( 467061.8, 3760655.7,     273.4,     273.4,       0.0);         ( 467081.8,
3760655.7,     274.0,     274.0,       0.0);
 ( 467101.8, 3760655.7,     274.0,     274.0,       0.0);         ( 467121.8,
3760655.7,     274.4,     274.4,       0.0);
 ( 467141.8, 3760655.7,     275.0,     275.0,       0.0);         ( 467161.8,
3760655.7,     275.0,     275.0,       0.0);
 ( 467181.8, 3760655.7,     275.0,     592.0,       0.0);         ( 467201.8,
3760655.7,     275.0,     592.0,       0.0);
 ( 467221.8, 3760655.7,     275.0,     592.0,       0.0);         ( 467241.8,
3760655.7,     275.2,     592.0,       0.0);
 ( 467261.8, 3760655.7,     275.4,     592.0,       0.0);         ( 467281.8,
3760655.7,     275.4,     592.0,       0.0);
 ( 467301.8, 3760655.7,     275.8,     592.0,       0.0);         ( 467321.8,
3760655.7,     276.4,     592.0,       0.0);
 ( 467341.8, 3760655.7,     276.8,     592.0,       0.0);         ( 467361.8,
3760655.7,     277.2,     914.0,       0.0);
 ( 467381.8, 3760655.7,     277.4,     914.0,       0.0);         ( 466821.8,
3760675.7,     270.0,     270.0,       0.0);
```

```
 ( 466841.8, 3760675.7,     270.1,     270.1,       0.0);         ( 466861.8,
3760675.7,     270.5,     270.5,       0.0);
 ( 466881.8, 3760675.7,     270.8,     270.8,       0.0);         ( 466901.8,
3760675.7,     271.0,     271.0,       0.0);
 ( 466921.8, 3760675.7,     271.0,     271.0,       0.0);         ( 466941.8,
3760675.7,     271.3,     271.3,       0.0);
 ( 466961.8, 3760675.7,     271.7,     271.7,       0.0);         ( 466981.8,
3760675.7,     271.9,     271.9,       0.0);
 ( 467001.8, 3760675.7,     272.3,     272.3,       0.0);         ( 467021.8,
3760675.7,     272.7,     272.7,       0.0);
 ( 467041.8, 3760675.7,     272.9,     272.9,       0.0);         ( 467061.8,
3760675.7,     273.4,     273.4,       0.0);
 ( 467081.8, 3760675.7,     274.0,     274.0,       0.0);         ( 467101.8,
3760675.7,     274.0,     274.0,       0.0);
 ( 467121.8, 3760675.7,     274.3,     274.3,       0.0);         ( 467141.8,
3760675.7,     274.7,     274.7,       0.0);
 ( 467161.8, 3760675.7,     274.7,     274.7,       0.0);         ( 467181.8,
3760675.7,     274.7,     592.0,       0.0);
 ( 467201.8, 3760675.7,     274.7,     592.0,       0.0);         ( 467221.8,
3760675.7,     274.7,     592.0,       0.0);
 ( 467241.8, 3760675.7,     274.7,     592.0,       0.0);         ( 467261.8,
3760675.7,     274.7,     592.0,       0.0);
 ( 467281.8, 3760675.7,     274.9,     592.0,       0.0);         ( 467301.8,
3760675.7,     275.4,     592.0,       0.0);
 ( 467321.8, 3760675.7,     276.1,     592.0,       0.0);         ( 467341.8,
3760675.7,     276.5,     592.0,       0.0);
 ( 467361.8, 3760675.7,     276.8,     914.0,       0.0);         ( 467381.8,
3760675.7,     277.0,     914.0,       0.0);
 ( 466821.8, 3760695.7,     270.0,     270.0,       0.0);         ( 466841.8,
3760695.7,     270.0,     270.0,       0.0);
 ( 466861.8, 3760695.7,     270.0,     270.0,       0.0);         ( 466881.8,
3760695.7,     270.4,     270.4,       0.0);
 ( 466901.8, 3760695.7,     271.0,     271.0,       0.0);         ( 466921.8,
3760695.7,     271.0,     271.0,       0.0);
 ( 466941.8, 3760695.7,     271.0,     271.0,       0.0);         ( 466961.8,
3760695.7,     271.1,     271.1,       0.0);
 ( 466981.8, 3760695.7,     271.8,     271.8,       0.0);         ( 467001.8,
3760695.7,     272.0,     272.0,       0.0);
 ( 467021.8, 3760695.7,     272.1,     272.1,       0.0);         ( 467041.8,
3760695.7,     272.8,     272.8,       0.0);
 ( 467061.8, 3760695.7,     273.4,     273.4,       0.0);         ( 467081.8,
3760695.7,     274.0,     274.0,       0.0);
 ( 467101.8, 3760695.7,     274.0,     274.0,       0.0);         ( 467121.8,
3760695.7,     274.0,     274.0,       0.0);
 ( 467141.8, 3760695.7,     274.0,     274.0,       0.0);         ( 467161.8,
3760695.7,     274.0,     592.0,       0.0);
 ( 467181.8, 3760695.7,     274.0,     592.0,       0.0);         ( 467201.8,
3760695.7,     274.0,     592.0,       0.0);
 ( 467221.8, 3760695.7,     274.0,     592.0,       0.0);         ( 467241.8,
3760695.7,     274.0,     592.0,       0.0);
 ( 467261.8, 3760695.7,     274.1,     592.0,       0.0);         ( 467281.8,
3760695.7,     274.8,     592.0,       0.0);
 ( 467301.8, 3760695.7,     275.4,     592.0,       0.0);         ( 467321.8,
3760695.7,     276.0,     592.0,       0.0);
 ( 467341.8, 3760695.7,     276.0,     592.0,       0.0);         ( 467361.8,
```

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3760695.7,     276.4,     914.0,       0.0);
 ( 467381.8, 3760695.7,     277.0,     914.0,       0.0);         ( 466821.8,
3760715.7,     269.6,     269.6,       0.0);
 ( 466841.8, 3760715.7,     270.0,     270.0,       0.0);         ( 466861.8,
3760715.7,     270.0,     270.0,       0.0);
 ( 466881.8, 3760715.7,     270.2,     270.2,       0.0);         ( 466901.8,
3760715.7,     270.4,     270.4,       0.0);
 ( 466921.8, 3760715.7,     270.8,     270.8,       0.0);         ( 466941.8,
3760715.7,     271.0,     271.0,       0.0);
 ( 466961.8, 3760715.7,     271.1,     271.1,       0.0);         ( 466981.8,
3760715.7,     271.8,     271.8,       0.0);
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                                        *** DISCRETE CARTESIAN RECEPTORS ***
                                   (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

 ( 467001.8, 3760715.7,     272.0,     272.0,       0.0);         ( 467021.8,
3760715.7,     272.0,     272.0,       0.0);
 ( 467041.8, 3760715.7,     272.3,     272.3,       0.0);         ( 467061.8,
3760715.7,     272.8,     272.8,       0.0);
 ( 467081.8, 3760715.7,     273.4,     273.4,       0.0);         ( 467101.8,
3760715.7,     273.8,     273.8,       0.0);
 ( 467121.8, 3760715.7,     274.0,     274.0,       0.0);         ( 467141.8,
3760715.7,     274.0,     274.0,       0.0);
 ( 467161.8, 3760715.7,     274.0,     592.0,       0.0);         ( 467181.8,
3760715.7,     274.0,     592.0,       0.0);
 ( 467201.8, 3760715.7,     274.0,     592.0,       0.0);         ( 467221.8,
3760715.7,     274.0,     592.0,       0.0);
 ( 467241.8, 3760715.7,     274.0,     592.0,       0.0);         ( 467261.8,
3760715.7,     274.1,     592.0,       0.0);
 ( 467281.8, 3760715.7,     274.8,     592.0,       0.0);         ( 467301.8,
3760715.7,     275.2,     592.0,       0.0);
 ( 467321.8, 3760715.7,     275.4,     592.0,       0.0);         ( 467341.8,
3760715.7,     275.8,     592.0,       0.0);
 ( 467361.8, 3760715.7,     276.2,     914.0,       0.0);         ( 467381.8,
3760715.7,     276.4,     914.0,       0.0);
 ( 466821.8, 3760735.7,     269.3,     269.3,       0.0);         ( 466841.8,
3760735.7,     269.7,     269.7,       0.0);
 ( 466861.8, 3760735.7,     269.9,     269.9,       0.0);         ( 466881.8,
3760735.7,     270.0,     270.0,       0.0);
 ( 466901.8, 3760735.7,     270.1,     270.1,       0.0);         ( 466921.8,
3760735.7,     270.8,     270.8,       0.0);
 ( 466941.8, 3760735.7,     271.0,     271.0,       0.0);         ( 466961.8,
3760735.7,     271.1,     271.1,       0.0);
 ( 466981.8, 3760735.7,     271.5,     271.5,       0.0);         ( 467001.8,
3760735.7,     271.8,     271.8,       0.0);
 ( 467201.8, 3760735.7,     274.0,     592.0,       0.0);         ( 467221.8,
3760735.7,     274.0,     592.0,       0.0);
```

```
 ( 467241.8, 3760735.7,     274.0,     592.0,       0.0);         ( 467261.8,
3760735.7,     274.1,     592.0,       0.0);
 ( 467281.8, 3760735.7,     274.8,     592.0,       0.0);         ( 467301.8,
3760735.7,     275.0,     592.0,       0.0);
 ( 467321.8, 3760735.7,     275.1,     592.0,       0.0);         ( 467341.8,
3760735.7,     275.8,     592.0,       0.0);
 ( 467361.8, 3760735.7,     275.9,     592.0,       0.0);         ( 467381.8,
3760735.7,     275.7,     914.0,       0.0);
 ( 466821.8, 3760755.7,     269.0,     269.0,       0.0);         ( 466841.8,
3760755.7,     269.1,     269.1,       0.0);
 ( 466861.8, 3760755.7,     269.8,     269.8,       0.0);         ( 466881.8,
3760755.7,     270.0,     270.0,       0.0);
 ( 466901.8, 3760755.7,     270.1,     270.1,       0.0);         ( 466921.8,
3760755.7,     270.8,     270.8,       0.0);
 ( 466941.8, 3760755.7,     271.0,     271.0,       0.0);         ( 466961.8,
3760755.7,     271.0,     271.0,       0.0);
 ( 466981.8, 3760755.7,     271.0,     271.0,       0.0);         ( 467001.8,
3760755.7,     271.4,     271.4,       0.0);
 ( 467201.8, 3760755.7,     274.0,     592.0,       0.0);         ( 467221.8,
3760755.7,     274.0,     592.0,       0.0);
 ( 467241.8, 3760755.7,     274.0,     592.0,       0.0);         ( 467261.8,
3760755.7,     274.1,     592.0,       0.0);
 ( 467281.8, 3760755.7,     274.8,     592.0,       0.0);         ( 467301.8,
3760755.7,     275.0,     592.0,       0.0);
 ( 467321.8, 3760755.7,     275.1,     592.0,       0.0);         ( 467341.8,
3760755.7,     275.8,     592.0,       0.0);
 ( 467361.8, 3760755.7,     275.6,     592.0,       0.0);         ( 467381.8,
3760755.7,     275.0,     914.0,       0.0);
 ( 466821.8, 3760775.7,     269.0,     269.0,       0.0);         ( 466841.8,
3760775.7,     269.0,     269.0,       0.0);
 ( 466861.8, 3760775.7,     269.3,     269.3,       0.0);         ( 466881.8,
3760775.7,     269.6,     269.6,       0.0);
 ( 466901.8, 3760775.7,     270.0,     270.0,       0.0);         ( 466921.8,
3760775.7,     270.3,     270.3,       0.0);
 ( 466941.8, 3760775.7,     270.6,     270.6,       0.0);         ( 466961.8,
3760775.7,     271.0,     271.0,       0.0);
 ( 466981.8, 3760775.7,     271.0,     271.0,       0.0);         ( 467001.8,
3760775.7,     271.4,     271.4,       0.0);
 ( 467201.8, 3760775.7,     274.1,     592.0,       0.0);         ( 467221.8,
3760775.7,     274.5,     592.0,       0.0);
 ( 467241.8, 3760775.7,     274.6,     592.0,       0.0);         ( 467261.8,
3760775.7,     274.7,     592.0,       0.0);
 ( 467281.8, 3760775.7,     274.9,     592.0,       0.0);         ( 467301.8,
3760775.7,     275.3,     592.0,       0.0);
 ( 467321.8, 3760775.7,     275.7,     592.0,       0.0);         ( 467341.8,
3760775.7,     275.9,     592.0,       0.0);
 ( 467361.8, 3760775.7,     275.6,     592.0,       0.0);         ( 467381.8,
3760775.7,     274.9,     914.0,       0.0);
 ( 466821.8, 3760795.7,     268.8,     268.8,       0.0);         ( 466841.8,
3760795.7,     269.0,     269.0,       0.0);
 ( 466861.8, 3760795.7,     269.0,     269.0,       0.0);         ( 466881.8,
3760795.7,     269.4,     269.4,       0.0);
 ( 466901.8, 3760795.7,     270.0,     270.0,       0.0);         ( 466921.8,
3760795.7,     270.0,     270.0,       0.0);
 ( 466941.8, 3760795.7,     270.3,     270.3,       0.0);         ( 466961.8,
```

```
3760795.7,     270.7,     270.7,       0.0);
 ( 466981.8, 3760795.7,     270.9,     270.9,       0.0);         ( 467001.8,
3760795.7,     271.3,     271.3,       0.0);
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                                        *** DISCRETE CARTESIAN RECEPTORS ***
                                     (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                   (METERS)

 ( 467201.8, 3760795.7,     274.1,     592.0,       0.0);         ( 467221.8,
3760795.7,     274.5,     592.0,       0.0);
 ( 467241.8, 3760795.7,     274.8,     592.0,       0.0);         ( 467261.8,
3760795.7,     275.0,     592.0,       0.0);
 ( 467281.8, 3760795.7,     275.0,     592.0,       0.0);         ( 467301.8,
3760795.7,     275.3,     592.0,       0.0);
 ( 467321.8, 3760795.7,     275.7,     592.0,       0.0);         ( 467341.8,
3760795.7,     275.7,     592.0,       0.0);
 ( 467361.8, 3760795.7,     275.3,     592.0,       0.0);         ( 467381.8,
3760795.7,     274.6,     914.0,       0.0);
 ( 466821.8, 3760815.7,     268.4,     268.4,       0.0);         ( 466841.8,
3760815.7,     269.0,     269.0,       0.0);
 ( 466861.8, 3760815.7,     269.0,     269.0,       0.0);         ( 466881.8,
3760815.7,     269.4,     269.4,       0.0);
 ( 466901.8, 3760815.7,     270.0,     270.0,       0.0);         ( 466921.8,
3760815.7,     270.0,     270.0,       0.0);
 ( 466941.8, 3760815.7,     270.0,     270.0,       0.0);         ( 466961.8,
3760815.7,     270.1,     270.1,       0.0);
 ( 466981.8, 3760815.7,     270.8,     270.8,       0.0);         ( 467001.8,
3760815.7,     271.0,     271.0,       0.0);
 ( 467201.8, 3760815.7,     274.0,     592.0,       0.0);         ( 467221.8,
3760815.7,     274.0,     592.0,       0.0);
 ( 467241.8, 3760815.7,     274.4,     592.0,       0.0);         ( 467261.8,
3760815.7,     275.0,     592.0,       0.0);
 ( 467281.8, 3760815.7,     275.0,     592.0,       0.0);         ( 467301.8,
3760815.7,     275.0,     592.0,       0.0);
 ( 467321.8, 3760815.7,     275.0,     592.0,       0.0);         ( 467341.8,
3760815.7,     275.0,     592.0,       0.0);
 ( 467361.8, 3760815.7,     274.6,     592.0,       0.0);         ( 467381.8,
3760815.7,     274.0,     914.0,       0.0);
 ( 466821.8, 3760835.7,     268.4,     268.4,       0.0);         ( 466841.8,
3760835.7,     269.0,     269.0,       0.0);
 ( 466861.8, 3760835.7,     269.0,     269.0,       0.0);         ( 466881.8,
3760835.7,     269.2,     269.2,       0.0);
 ( 466901.8, 3760835.7,     269.4,     269.4,       0.0);         ( 466921.8,
3760835.7,     269.8,     269.8,       0.0);
 ( 466941.8, 3760835.7,     270.0,     270.0,       0.0);         ( 466961.8,
3760835.7,     270.0,     270.0,       0.0);
 ( 466981.8, 3760835.7,     270.3,     270.3,       0.0);         ( 467001.8,
3760835.7,     270.6,     270.6,       0.0);
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 ( 467201.8, 3760835.7,     274.0,     592.0,       0.0);         ( 467221.8,
3760835.7,     274.0,     592.0,       0.0);
 ( 467241.8, 3760835.7,     274.2,     592.0,       0.0);         ( 467261.8,
3760835.7,     274.4,     592.0,       0.0);
 ( 467281.8, 3760835.7,     274.8,     592.0,       0.0);         ( 467301.8,
3760835.7,     275.0,     592.0,       0.0);
 ( 467321.8, 3760835.7,     275.0,     592.0,       0.0);         ( 467341.8,
3760835.7,     275.0,     592.0,       0.0);
 ( 467361.8, 3760835.7,     274.6,     592.0,       0.0);         ( 467381.8,
3760835.7,     274.0,     592.0,       0.0);
 ( 466821.8, 3760855.7,     268.3,     268.3,       0.0);         ( 466841.8,
3760855.7,     268.7,     268.7,       0.0);
 ( 466861.8, 3760855.7,     268.9,     268.9,       0.0);         ( 466881.8,
3760855.7,     269.0,     269.0,       0.0);
 ( 466901.8, 3760855.7,     269.1,     269.1,       0.0);         ( 466921.8,
3760855.7,     269.8,     269.8,       0.0);
 ( 466941.8, 3760855.7,     270.0,     270.0,       0.0);         ( 466961.8,
3760855.7,     270.0,     270.0,       0.0);
 ( 466981.8, 3760855.7,     270.0,     270.0,       0.0);         ( 467001.8,
3760855.7,     270.4,     270.4,       0.0);
 ( 467201.8, 3760855.7,     273.7,     592.0,       0.0);         ( 467221.8,
3760855.7,     273.9,     592.0,       0.0);
 ( 467241.8, 3760855.7,     274.0,     592.0,       0.0);         ( 467261.8,
3760855.7,     274.1,     592.0,       0.0);
 ( 467281.8, 3760855.7,     274.8,     592.0,       0.0);         ( 467301.8,
3760855.7,     275.0,     592.0,       0.0);
 ( 467321.8, 3760855.7,     275.0,     592.0,       0.0);         ( 467341.8,
3760855.7,     274.8,     592.0,       0.0);
 ( 467361.8, 3760855.7,     274.4,     592.0,       0.0);         ( 467381.8,
3760855.7,     274.0,     592.0,       0.0);
 ( 466821.8, 3760875.7,     268.0,     268.0,       0.0);         ( 466841.8,
3760875.7,     268.1,     268.1,       0.0);
 ( 466861.8, 3760875.7,     268.8,     268.8,       0.0);         ( 466881.8,
3760875.7,     269.0,     269.0,       0.0);
 ( 466901.8, 3760875.7,     269.1,     269.1,       0.0);         ( 466921.8,
3760875.7,     269.8,     269.8,       0.0);
 ( 466941.8, 3760875.7,     270.0,     270.0,       0.0);         ( 466961.8,
3760875.7,     270.0,     270.0,       0.0);
 ( 466981.8, 3760875.7,     270.0,     270.0,       0.0);         ( 467001.8,
3760875.7,     270.4,     270.4,       0.0);
 ( 467201.8, 3760875.7,     273.1,     592.0,       0.0);         ( 467221.8,
3760875.7,     273.8,     592.0,       0.0);
 ( 467241.8, 3760875.7,     274.0,     592.0,       0.0);         ( 467261.8,
3760875.7,     274.1,     592.0,       0.0);
 ( 467281.8, 3760875.7,     274.8,     592.0,       0.0);         ( 467301.8,
3760875.7,     275.0,     592.0,       0.0);
 ( 467321.8, 3760875.7,     274.9,     592.0,       0.0);         ( 467341.8,
3760875.7,     274.3,     592.0,       0.0);
 ( 467361.8, 3760875.7,     274.0,     592.0,       0.0);         ( 467381.8,
3760875.7,     274.1,     592.0,       0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

 ( 466821.8, 3760895.7,     267.6,     267.6,       0.0);         ( 466841.8,
3760895.7,     268.0,     268.0,       0.0);
 ( 466861.8, 3760895.7,     268.3,     268.3,       0.0);         ( 466881.8,
3760895.7,     268.6,     268.6,       0.0);
 ( 466901.8, 3760895.7,     269.0,     269.0,       0.0);         ( 466921.8,
3760895.7,     269.3,     269.3,       0.0);
 ( 466941.8, 3760895.7,     269.6,     269.6,       0.0);         ( 466961.8,
3760895.7,     270.0,     270.0,       0.0);
 ( 466981.8, 3760895.7,     270.0,     270.0,       0.0);         ( 467001.8,
3760895.7,     270.2,     270.2,       0.0);
 ( 467201.8, 3760895.7,     273.0,     592.0,       0.0);         ( 467221.8,
3760895.7,     273.3,     592.0,       0.0);
 ( 467241.8, 3760895.7,     273.6,     592.0,       0.0);         ( 467261.8,
3760895.7,     274.0,     592.0,       0.0);
 ( 467281.8, 3760895.7,     274.3,     592.0,       0.0);         ( 467301.8,
3760895.7,     274.6,     592.0,       0.0);
 ( 467321.8, 3760895.7,     274.8,     592.0,       0.0);         ( 467341.8,
3760895.7,     273.3,     592.0,       0.0);
 ( 467361.8, 3760895.7,     272.7,     592.0,       0.0);         ( 467381.8,
3760895.7,     272.9,     592.0,       0.0);
 ( 466821.8, 3760915.7,     267.4,     267.4,       0.0);         ( 466841.8,
3760915.7,     268.0,     268.0,       0.0);
 ( 466861.8, 3760915.7,     268.0,     268.0,       0.0);         ( 466881.8,
3760915.7,     268.4,     268.4,       0.0);
 ( 466901.8, 3760915.7,     269.0,     269.0,       0.0);         ( 466921.8,
3760915.7,     269.0,     269.0,       0.0);
 ( 466941.8, 3760915.7,     269.4,     269.4,       0.0);         ( 466961.8,
3760915.7,     270.0,     270.0,       0.0);
 ( 466981.8, 3760915.7,     270.0,     270.0,       0.0);         ( 467001.8,
3760915.7,     270.0,     270.0,       0.0);
 ( 467201.8, 3760915.7,     273.0,     592.0,       0.0);         ( 467221.8,
3760915.7,     273.0,     592.0,       0.0);
 ( 467241.8, 3760915.7,     273.3,     592.0,       0.0);         ( 467261.8,
3760915.7,     273.7,     592.0,       0.0);
 ( 467281.8, 3760915.7,     273.7,     592.0,       0.0);         ( 467301.8,
3760915.7,     273.7,     592.0,       0.0);
 ( 467321.8, 3760915.7,     273.6,     592.0,       0.0);         ( 467341.8,
3760915.7,     272.2,     592.0,       0.0);
 ( 467361.8, 3760915.7,     271.8,     592.0,       0.0);         ( 467381.8,
3760915.7,     272.2,     592.0,       0.0);
 ( 466821.8, 3760935.7,     267.4,     267.4,       0.0);         ( 466841.8,
3760935.7,     268.0,     268.0,       0.0);
 ( 466861.8, 3760935.7,     268.0,     268.0,       0.0);         ( 466881.8,
3760935.7,     268.4,     268.4,       0.0);
 ( 466901.8, 3760935.7,     269.0,     269.0,       0.0);         ( 466921.8,
3760935.7,     269.0,     269.0,       0.0);
 ( 466941.8, 3760935.7,     269.4,     269.4,       0.0);         ( 466961.8,
3760935.7,     270.0,     270.0,       0.0);
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```
 ( 466981.8, 3760935.7,     270.0,     270.0,       0.0);         ( 467001.8,
3760935.7,     270.0,     270.0,       0.0);
 ( 467201.8, 3760935.7,     273.0,     592.0,       0.0);         ( 467221.8,
3760935.7,     273.0,     592.0,       0.0);
 ( 467241.8, 3760935.7,     273.0,     592.0,       0.0);         ( 467261.8,
3760935.7,     273.0,     592.0,       0.0);
 ( 467281.8, 3760935.7,     273.0,     592.0,       0.0);         ( 467301.8,
3760935.7,     272.2,     592.0,       0.0);
 ( 467321.8, 3760935.7,     271.1,     592.0,       0.0);         ( 467341.8,
3760935.7,     271.1,     592.0,       0.0);
 ( 467361.8, 3760935.7,     271.4,     592.0,       0.0);         ( 467381.8,
3760935.7,     272.2,     592.0,       0.0);
 ( 466821.8, 3760955.7,     267.4,     267.4,       0.0);         ( 466841.8,
3760955.7,     268.0,     268.0,       0.0);
 ( 466861.8, 3760955.7,     268.0,     268.0,       0.0);         ( 466881.8,
3760955.7,     268.4,     268.4,       0.0);
 ( 466901.8, 3760955.7,     269.0,     269.0,       0.0);         ( 466921.8,
3760955.7,     269.0,     269.0,       0.0);
 ( 466941.8, 3760955.7,     269.2,     269.2,       0.0);         ( 466961.8,
3760955.7,     269.4,     269.4,       0.0);
 ( 466981.8, 3760955.7,     269.8,     269.8,       0.0);         ( 467001.8,
3760955.7,     270.0,     270.0,       0.0);
 ( 467201.8, 3760955.7,     272.4,     592.0,       0.0);         ( 467221.8,
3760955.7,     272.8,     592.0,       0.0);
 ( 467241.8, 3760955.7,     273.0,     592.0,       0.0);         ( 467261.8,
3760955.7,     272.9,     592.0,       0.0);
 ( 467281.8, 3760955.7,     272.5,     592.0,       0.0);         ( 467301.8,
3760955.7,     271.8,     592.0,       0.0);
 ( 467321.8, 3760955.7,     271.0,     592.0,       0.0);         ( 467341.8,
3760955.7,     271.0,     592.0,       0.0);
 ( 467361.8, 3760955.7,     271.7,     592.0,       0.0);         ( 467381.8,
3760955.7,     272.8,     592.0,       0.0);
 ( 466821.8, 3760975.7,     267.3,     267.3,       0.0);         ( 466841.8,
3760975.7,     267.7,     267.7,       0.0);
 ( 466861.8, 3760975.7,     267.9,     267.9,       0.0);         ( 466881.8,
3760975.7,     268.3,     268.3,       0.0);
 ( 466901.8, 3760975.7,     268.7,     268.7,       0.0);         ( 466921.8,
3760975.7,     268.9,     268.9,       0.0);
 ( 466941.8, 3760975.7,     269.0,     269.0,       0.0);         ( 466961.8,
3760975.7,     269.1,     269.1,       0.0);
 ( 466981.8, 3760975.7,     269.8,     269.8,       0.0);         ( 467001.8,
3760975.7,     270.0,     270.0,       0.0);
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                                        *** DISCRETE CARTESIAN RECEPTORS ***
                                     (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

 ( 467201.8, 3760975.7,     272.1,     592.0,       0.0);         ( 467221.8,
```

3760975.7, 272.5, 592.0, 0.0);
(467241.8, 3760975.7, 272.7, 592.0, 0.0); (467261.8,
3760975.7, 272.6, 592.0, 0.0);
(467281.8, 3760975.7, 271.9, 592.0, 0.0); (467301.8,
3760975.7, 271.4, 592.0, 0.0);
(467321.8, 3760975.7, 271.0, 592.0, 0.0); (467341.8,
3760975.7, 271.0, 592.0, 0.0);
(467361.8, 3760975.7, 271.8, 592.0, 0.0); (467381.8,
3760975.7, 273.1, 592.0, 0.0);
(466821.8, 3760995.7, 267.0, 267.0, 0.0); (466841.8,
3760995.7, 267.1, 267.1, 0.0);
(466861.8, 3760995.7, 267.8, 267.8, 0.0); (466881.8,
3760995.7, 268.0, 268.0, 0.0);
(466901.8, 3760995.7, 268.1, 268.1, 0.0); (466921.8,
3760995.7, 268.8, 268.8, 0.0);
(466941.8, 3760995.7, 269.0, 269.0, 0.0); (466961.8,
3760995.7, 269.1, 269.1, 0.0);
(466981.8, 3760995.7, 269.8, 269.8, 0.0); (467001.8,
3760995.7, 270.0, 270.0, 0.0);
(467021.8, 3760995.7, 270.0, 270.0, 0.0); (467041.8,
3760995.7, 270.0, 270.0, 0.0);
(467061.8, 3760995.7, 270.4, 592.0, 0.0); (467081.8,
3760995.7, 271.0, 592.0, 0.0);
(467101.8, 3760995.7, 271.0, 592.0, 0.0); (467121.8,
3760995.7, 271.0, 592.0, 0.0);
(467141.8, 3760995.7, 271.1, 592.0, 0.0); (467161.8,
3760995.7, 271.8, 592.0, 0.0);
(467181.8, 3760995.7, 272.0, 592.0, 0.0); (467201.8,
3760995.7, 272.0, 592.0, 0.0);
(467221.8, 3760995.7, 272.0, 592.0, 0.0); (467241.8,
3760995.7, 272.0, 592.0, 0.0);
(467261.8, 3760995.7, 271.9, 592.0, 0.0); (467281.8,
3760995.7, 271.3, 592.0, 0.0);
(467301.8, 3760995.7, 271.0, 592.0, 0.0); (467321.8,
3760995.7, 271.0, 592.0, 0.0);
(467341.8, 3760995.7, 271.0, 592.0, 0.0); (467361.8,
3760995.7, 271.8, 592.0, 0.0);
(467381.8, 3760995.7, 273.1, 592.0, 0.0); (466821.8,
3761015.7, 267.0, 267.0, 0.0);
(466841.8, 3761015.7, 267.1, 267.1, 0.0); (466861.8,
3761015.7, 267.8, 267.8, 0.0);
(466881.8, 3761015.7, 268.0, 268.0, 0.0); (466901.8,
3761015.7, 268.1, 268.1, 0.0);
(466921.8, 3761015.7, 268.8, 268.8, 0.0); (466941.8,
3761015.7, 269.0, 269.0, 0.0);
(466961.8, 3761015.7, 269.0, 269.0, 0.0); (466981.8,
3761015.7, 269.3, 269.3, 0.0);
(467001.8, 3761015.7, 269.6, 269.6, 0.0); (467021.8,
3761015.7, 270.0, 270.0, 0.0);
(467041.8, 3761015.7, 270.0, 270.0, 0.0); (467061.8,
3761015.7, 270.4, 592.0, 0.0);
(467081.8, 3761015.7, 271.0, 592.0, 0.0); (467101.8,
3761015.7, 271.0, 592.0, 0.0);
(467121.8, 3761015.7, 271.0, 592.0, 0.0); (467141.8,
3761015.7, 271.0, 592.0, 0.0);

```
 ( 467161.8, 3761015.7,     271.3,     592.0,       0.0);         ( 467181.8,
3761015.7,     271.6,     592.0,       0.0);
 ( 467201.8, 3761015.7,     272.0,     592.0,       0.0);         ( 467221.8,
3761015.7,     272.0,     592.0,       0.0);
 ( 467241.8, 3761015.7,     271.7,     592.0,       0.0);         ( 467261.8,
3761015.7,     271.3,     592.0,       0.0);
 ( 467281.8, 3761015.7,     271.1,     592.0,       0.0);         ( 467301.8,
3761015.7,     271.0,     592.0,       0.0);
 ( 467321.8, 3761015.7,     271.1,     592.0,       0.0);         ( 467341.8,
3761015.7,     271.5,     592.0,       0.0);
 ( 467361.8, 3761015.7,     272.2,     592.0,       0.0);         ( 467381.8,
3761015.7,     273.1,     592.0,       0.0);
 ( 466821.8, 3761035.7,     267.0,     267.0,       0.0);         ( 466841.8,
3761035.7,     267.1,     267.1,       0.0);
 ( 466861.8, 3761035.7,     267.8,     267.8,       0.0);         ( 466881.8,
3761035.7,     268.0,     268.0,       0.0);
 ( 466901.8, 3761035.7,     268.1,     268.1,       0.0);         ( 466921.8,
3761035.7,     268.5,     268.5,       0.0);
 ( 466941.8, 3761035.7,     268.8,     268.8,       0.0);         ( 466961.8,
3761035.7,     269.0,     269.0,       0.0);
 ( 466981.8, 3761035.7,     269.0,     269.0,       0.0);         ( 467001.8,
3761035.7,     269.3,     269.3,       0.0);
 ( 467021.8, 3761035.7,     269.7,     269.7,       0.0);         ( 467041.8,
3761035.7,     269.9,     269.9,       0.0);
 ( 467061.8, 3761035.7,     270.3,     592.0,       0.0);         ( 467081.8,
3761035.7,     270.7,     592.0,       0.0);
 ( 467101.8, 3761035.7,     270.9,     592.0,       0.0);         ( 467121.8,
3761035.7,     271.0,     592.0,       0.0);
 ( 467141.8, 3761035.7,     271.0,     592.0,       0.0);         ( 467161.8,
3761035.7,     271.0,     592.0,       0.0);
 ( 467181.8, 3761035.7,     271.3,     592.0,       0.0);         ( 467201.8,
3761035.7,     271.7,     592.0,       0.0);
 ( 467221.8, 3761035.7,     271.7,     592.0,       0.0);         ( 467241.8,
3761035.7,     271.4,     592.0,       0.0);
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                                        *** DISCRETE CARTESIAN RECEPTORS ***
                                     (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

 ( 467261.8, 3761035.7,     271.0,     592.0,       0.0);         ( 467281.8,
3761035.7,     271.2,     592.0,       0.0);
 ( 467301.8, 3761035.7,     271.2,     592.0,       0.0);         ( 467321.8,
3761035.7,     271.1,     592.0,       0.0);
 ( 467341.8, 3761035.7,     271.8,     592.0,       0.0);         ( 467361.8,
3761035.7,     272.4,     592.0,       0.0);
 ( 467381.8, 3761035.7,     273.1,     592.0,       0.0);         ( 466821.8,
3761055.7,     267.0,     267.0,       0.0);
 ( 466841.8, 3761055.7,     267.1,     267.1,       0.0);         ( 466861.8,
```

3761055.7, 267.8, 267.8, 0.0);
(466881.8, 3761055.7, 268.0, 268.0, 0.0); (466901.8, 3761055.7, 268.0, 268.0, 0.0);
(466921.8, 3761055.7, 268.0, 268.0, 0.0); (466941.8, 3761055.7, 268.4, 268.4, 0.0);
(466961.8, 3761055.7, 269.0, 269.0, 0.0); (466981.8, 3761055.7, 269.0, 269.0, 0.0);
(467001.8, 3761055.7, 269.0, 269.0, 0.0); (467021.8, 3761055.7, 269.1, 269.1, 0.0);
(467041.8, 3761055.7, 269.8, 592.0, 0.0); (467061.8, 3761055.7, 270.0, 592.0, 0.0);
(467081.8, 3761055.7, 270.1, 592.0, 0.0); (467101.8, 3761055.7, 270.8, 592.0, 0.0);
(467121.8, 3761055.7, 271.0, 592.0, 0.0); (467141.8, 3761055.7, 271.0, 592.0, 0.0);
(467161.8, 3761055.7, 271.0, 592.0, 0.0); (467181.8, 3761055.7, 271.0, 592.0, 0.0);
(467201.8, 3761055.7, 271.0, 592.0, 0.0); (467221.8, 3761055.7, 271.0, 592.0, 0.0);
(467241.8, 3761055.7, 271.0, 592.0, 0.0); (467261.8, 3761055.7, 271.1, 592.0, 0.0);
(467281.8, 3761055.7, 271.7, 592.0, 0.0); (467301.8, 3761055.7, 271.6, 592.0, 0.0);
(467321.8, 3761055.7, 271.1, 592.0, 0.0); (467341.8, 3761055.7, 271.8, 592.0, 0.0);
(467361.8, 3761055.7, 272.4, 592.0, 0.0); (467381.8, 3761055.7, 273.0, 592.0, 0.0);
(466821.8, 3761075.7, 267.0, 267.0, 0.0); (466841.8, 3761075.7, 267.0, 267.0, 0.0);
(466861.8, 3761075.7, 267.3, 267.3, 0.0); (466881.8, 3761075.7, 267.6, 267.6, 0.0);
(466901.8, 3761075.7, 268.0, 268.0, 0.0); (466921.8, 3761075.7, 268.0, 268.0, 0.0);
(466941.8, 3761075.7, 268.2, 268.2, 0.0); (466961.8, 3761075.7, 268.4, 268.4, 0.0);
(466981.8, 3761075.7, 268.8, 268.8, 0.0); (467001.8, 3761075.7, 269.0, 269.0, 0.0);
(467021.8, 3761075.7, 269.0, 269.0, 0.0); (467041.8, 3761075.7, 269.3, 592.0, 0.0);
(467061.8, 3761075.7, 269.6, 592.0, 0.0); (467081.8, 3761075.7, 270.0, 592.0, 0.0);
(467101.8, 3761075.7, 270.3, 592.0, 0.0); (467121.8, 3761075.7, 270.6, 592.0, 0.0);
(467141.8, 3761075.7, 271.0, 592.0, 0.0); (467161.8, 3761075.7, 271.0, 592.0, 0.0);
(467181.8, 3761075.7, 271.0, 592.0, 0.0); (467201.8, 3761075.7, 271.0, 592.0, 0.0);
(467221.8, 3761075.7, 271.0, 592.0, 0.0); (467241.8, 3761075.7, 270.7, 592.0, 0.0);
(467261.8, 3761075.7, 270.4, 592.0, 0.0); (467281.8, 3761075.7, 271.1, 592.0, 0.0);
(467301.8, 3761075.7, 271.2, 592.0, 0.0); (467321.8, 3761075.7, 271.1, 592.0, 0.0);
(467341.8, 3761075.7, 271.8, 592.0, 0.0); (467361.8, 3761075.7, 272.2, 592.0, 0.0);

```
 ( 467381.8, 3761075.7,     272.4,     592.0,       0.0);         ( 466821.8,
3761095.7,     267.0,     267.0,       0.0);
 ( 466841.8, 3761095.7,     267.0,     267.0,       0.0);         ( 466861.8,
3761095.7,     267.0,     267.0,       0.0);
 ( 466881.8, 3761095.7,     267.4,     267.4,       0.0);         ( 466901.8,
3761095.7,     268.0,     268.0,       0.0);
 ( 466921.8, 3761095.7,     268.0,     268.0,       0.0);         ( 466941.8,
3761095.7,     268.0,     268.0,       0.0);
 ( 466961.8, 3761095.7,     268.1,     268.1,       0.0);         ( 466981.8,
3761095.7,     268.8,     268.8,       0.0);
 ( 467001.8, 3761095.7,     269.0,     269.0,       0.0);         ( 467021.8,
3761095.7,     269.0,     269.0,       0.0);
 ( 467041.8, 3761095.7,     269.0,     592.0,       0.0);         ( 467061.8,
3761095.7,     269.4,     592.0,       0.0);
 ( 467081.8, 3761095.7,     270.0,     592.0,       0.0);         ( 467101.8,
3761095.7,     270.0,     592.0,       0.0);
 ( 467121.8, 3761095.7,     270.3,     592.0,       0.0);         ( 467141.8,
3761095.7,     270.7,     592.0,       0.0);
 ( 467161.8, 3761095.7,     270.7,     592.0,       0.0);         ( 467181.8,
3761095.7,     270.7,     592.0,       0.0);
 ( 467201.8, 3761095.7,     270.7,     592.0,       0.0);         ( 467221.8,
3761095.7,     270.7,     592.0,       0.0);
 ( 467241.8, 3761095.7,     270.4,     592.0,       0.0);         ( 467261.8,
3761095.7,     270.1,     592.0,       0.0);
 ( 467281.8, 3761095.7,     270.5,     592.0,       0.0);         ( 467301.8,
3761095.7,     270.8,     592.0,       0.0);
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                                        *** DISCRETE CARTESIAN RECEPTORS ***
                                   (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

 ( 467321.8, 3761095.7,     271.1,     592.0,       0.0);         ( 467341.8,
3761095.7,     271.5,     592.0,       0.0);
 ( 467361.8, 3761095.7,     271.8,     592.0,       0.0);         ( 467381.8,
3761095.7,     272.1,     592.0,       0.0);
 ( 466821.8, 3761115.7,     267.0,     267.0,       0.0);         ( 466841.8,
3761115.7,     267.0,     267.0,       0.0);
 ( 466861.8, 3761115.7,     267.0,     267.0,       0.0);         ( 466881.8,
3761115.7,     267.4,     267.4,       0.0);
 ( 466901.8, 3761115.7,     268.0,     268.0,       0.0);         ( 466921.8,
3761115.7,     268.0,     268.0,       0.0);
 ( 466941.8, 3761115.7,     268.0,     268.0,       0.0);         ( 466961.8,
3761115.7,     268.1,     268.1,       0.0);
 ( 466981.8, 3761115.7,     268.8,     268.8,       0.0);         ( 467001.8,
3761115.7,     269.0,     269.0,       0.0);
 ( 467021.8, 3761115.7,     269.0,     269.0,       0.0);         ( 467041.8,
3761115.7,     269.0,     592.0,       0.0);
 ( 467061.8, 3761115.7,     269.4,     592.0,       0.0);         ( 467081.8,
```

```
3761115.7,     270.0,     592.0,       0.0);
 ( 467101.8, 3761115.7,     270.0,     592.0,       0.0);         ( 467121.8,
3761115.7,     270.0,     592.0,       0.0);
 ( 467141.8, 3761115.7,     270.0,     592.0,       0.0);         ( 467161.8,
3761115.7,     270.0,     592.0,       0.0);
 ( 467181.8, 3761115.7,     270.0,     592.0,       0.0);         ( 467201.8,
3761115.7,     270.0,     592.0,       0.0);
 ( 467221.8, 3761115.7,     270.0,     592.0,       0.0);         ( 467241.8,
3761115.7,     270.0,     592.0,       0.0);
 ( 467261.8, 3761115.7,     270.0,     592.0,       0.0);         ( 467281.8,
3761115.7,     270.0,     592.0,       0.0);
 ( 467301.8, 3761115.7,     270.4,     592.0,       0.0);         ( 467321.8,
3761115.7,     271.0,     592.0,       0.0);
 ( 467341.8, 3761115.7,     271.0,     592.0,       0.0);         ( 467361.8,
3761115.7,     271.4,     592.0,       0.0);
 ( 467381.8, 3761115.7,     272.0,     592.0,       0.0);         ( 466821.8,
3761135.7,     266.6,     266.6,       0.0);
 ( 466841.8, 3761135.7,     267.0,     267.0,       0.0);         ( 466861.8,
3761135.7,     267.0,     267.0,       0.0);
 ( 466881.8, 3761135.7,     267.4,     267.4,       0.0);         ( 466901.8,
3761135.7,     268.0,     268.0,       0.0);
 ( 466921.8, 3761135.7,     268.0,     268.0,       0.0);         ( 466941.8,
3761135.7,     268.0,     268.0,       0.0);
 ( 466961.8, 3761135.7,     268.1,     268.1,       0.0);         ( 466981.8,
3761135.7,     268.8,     268.8,       0.0);
 ( 467001.8, 3761135.7,     269.0,     269.0,       0.0);         ( 467021.8,
3761135.7,     269.0,     592.0,       0.0);
 ( 467041.8, 3761135.7,     269.0,     592.0,       0.0);         ( 467061.8,
3761135.7,     269.2,     592.0,       0.0);
 ( 467081.8, 3761135.7,     269.4,     592.0,       0.0);         ( 467101.8,
3761135.7,     269.8,     592.0,       0.0);
 ( 467121.8, 3761135.7,     270.0,     592.0,       0.0);         ( 467141.8,
3761135.7,     270.0,     592.0,       0.0);
 ( 467161.8, 3761135.7,     270.0,     592.0,       0.0);         ( 467181.8,
3761135.7,     270.0,     592.0,       0.0);
 ( 467201.8, 3761135.7,     269.9,     592.0,       0.0);         ( 467221.8,
3761135.7,     269.5,     592.0,       0.0);
 ( 467241.8, 3761135.7,     269.1,     592.0,       0.0);         ( 467261.8,
3761135.7,     268.8,     592.0,       0.0);
 ( 467281.8, 3761135.7,     269.2,     592.0,       0.0);         ( 467301.8,
3761135.7,     269.8,     592.0,       0.0);
 ( 467321.8, 3761135.7,     270.4,     592.0,       0.0);         ( 467341.8,
3761135.7,     270.8,     592.0,       0.0);
 ( 467361.8, 3761135.7,     271.4,     592.0,       0.0);         ( 467381.8,
3761135.7,     272.1,     592.0,       0.0);
 ( 466821.8, 3761155.7,     266.6,     266.6,       0.0);         ( 466841.8,
3761155.7,     267.0,     267.0,       0.0);
 ( 466861.8, 3761155.7,     267.2,     267.2,       0.0);         ( 466881.8,
3761155.7,     267.6,     267.6,       0.0);
 ( 466901.8, 3761155.7,     268.0,     268.0,       0.0);         ( 466921.8,
3761155.7,     268.0,     268.0,       0.0);
 ( 466941.8, 3761155.7,     268.0,     268.0,       0.0);         ( 466961.8,
3761155.7,     268.1,     268.1,       0.0);
 ( 466981.8, 3761155.7,     268.5,     268.5,       0.0);         ( 467001.8,
3761155.7,     268.8,     268.8,       0.0);
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```
 ( 467021.8, 3761155.7,     269.0,     592.0,       0.0);         ( 467041.8,
3761155.7,     269.0,     592.0,       0.0);
 ( 467061.8, 3761155.7,     269.0,     592.0,       0.0);         ( 467081.8,
3761155.7,     269.1,     592.0,       0.0);
 ( 467101.8, 3761155.7,     269.5,     592.0,       0.0);         ( 467121.8,
3761155.7,     269.7,     592.0,       0.0);
 ( 467141.8, 3761155.7,     269.7,     592.0,       0.0);         ( 467161.8,
3761155.7,     269.7,     592.0,       0.0);
 ( 467181.8, 3761155.7,     269.7,     592.0,       0.0);         ( 467201.8,
3761155.7,     269.6,     592.0,       0.0);
 ( 467221.8, 3761155.7,     268.9,     592.0,       0.0);         ( 467241.8,
3761155.7,     268.4,     592.0,       0.0);
 ( 467261.8, 3761155.7,     268.1,     592.0,       0.0);         ( 467281.8,
3761155.7,     268.8,     592.0,       0.0);
 ( 467301.8, 3761155.7,     269.4,     592.0,       0.0);         ( 467321.8,
3761155.7,     270.1,     592.0,       0.0);
 ( 467341.8, 3761155.7,     270.7,     592.0,       0.0);         ( 467361.8,
3761155.7,     271.4,     592.0,       0.0);
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                                        *** DISCRETE CARTESIAN RECEPTORS ***
                                     (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

 ( 467381.8, 3761155.7,     272.1,     592.0,       0.0);         ( 466821.8,
3761175.7,     267.0,     267.0,       0.0);
 ( 466841.8, 3761175.7,     267.1,     267.1,       0.0);         ( 466861.8,
3761175.7,     267.7,     267.7,       0.0);
 ( 466881.8, 3761175.7,     268.0,     268.0,       0.0);         ( 466901.8,
3761175.7,     268.0,     268.0,       0.0);
 ( 466921.8, 3761175.7,     268.0,     268.0,       0.0);         ( 466941.8,
3761175.7,     268.0,     268.0,       0.0);
 ( 466961.8, 3761175.7,     268.0,     268.0,       0.0);         ( 466981.8,
3761175.7,     268.0,     268.0,       0.0);
 ( 467001.8, 3761175.7,     268.4,     268.4,       0.0);         ( 467021.8,
3761175.7,     269.0,     592.0,       0.0);
 ( 467041.8, 3761175.7,     269.0,     592.0,       0.0);         ( 467061.8,
3761175.7,     269.0,     592.0,       0.0);
 ( 467081.8, 3761175.7,     269.0,     592.0,       0.0);         ( 467101.8,
3761175.7,     269.0,     592.0,       0.0);
 ( 467121.8, 3761175.7,     269.0,     592.0,       0.0);         ( 467141.8,
3761175.7,     269.0,     592.0,       0.0);
 ( 467161.8, 3761175.7,     269.0,     592.0,       0.0);         ( 467181.8,
3761175.7,     269.0,     592.0,       0.0);
 ( 467201.8, 3761175.7,     268.9,     592.0,       0.0);         ( 467221.8,
3761175.7,     268.3,     592.0,       0.0);
 ( 467241.8, 3761175.7,     268.0,     592.0,       0.0);         ( 467261.8,
3761175.7,     268.1,     592.0,       0.0);
 ( 467281.8, 3761175.7,     268.8,     592.0,       0.0);         ( 467301.8,
```

3761175.7, 269.4, 592.0, 0.0);
(467321.8, 3761175.7, 270.1, 592.0, 0.0); (467341.8, 3761175.7, 270.7, 592.0, 0.0);
(467361.8, 3761175.7, 271.4, 592.0, 0.0); (467381.8, 3761175.7, 272.2, 592.0, 0.0);
(466771.8, 3760235.7, 273.0, 273.0, 0.0); (466821.8, 3760235.7, 273.4, 273.4, 0.0);
(466871.8, 3760235.7, 274.0, 274.0, 0.0); (466921.8, 3760235.7, 274.0, 274.0, 0.0);
(466971.8, 3760235.7, 274.2, 274.2, 0.0); (467021.8, 3760235.7, 275.1, 275.1, 0.0);
(467071.8, 3760235.7, 276.0, 276.0, 0.0); (467121.8, 3760235.7, 277.0, 277.0, 0.0);
(467171.8, 3760235.7, 278.0, 278.0, 0.0); (467221.8, 3760235.7, 278.8, 278.8, 0.0);
(467271.8, 3760235.7, 279.6, 914.0, 0.0); (467321.8, 3760235.7, 281.0, 914.0, 0.0);
(467371.8, 3760235.7, 281.0, 914.0, 0.0); (467421.8, 3760235.7, 282.0, 914.0, 0.0);
(467471.8, 3760235.7, 283.0, 914.0, 0.0); (467521.8, 3760235.7, 283.8, 914.0, 0.0);
(467571.8, 3760235.7, 284.2, 914.0, 0.0); (467621.8, 3760235.7, 285.0, 914.0, 0.0);
(467671.8, 3760235.7, 285.7, 914.0, 0.0); (466771.8, 3760285.7, 272.5, 272.5, 0.0);
(466821.8, 3760285.7, 273.0, 273.0, 0.0); (466871.8, 3760285.7, 273.7, 273.7, 0.0);
(466921.8, 3760285.7, 273.7, 273.7, 0.0); (466971.8, 3760285.7, 274.0, 274.0, 0.0);
(467021.8, 3760285.7, 275.0, 275.0, 0.0); (467071.8, 3760285.7, 275.8, 275.8, 0.0);
(467121.8, 3760285.7, 276.4, 276.4, 0.0); (467171.8, 3760285.7, 277.1, 277.1, 0.0);
(467221.8, 3760285.7, 278.5, 278.5, 0.0); (467271.8, 3760285.7, 279.4, 914.0, 0.0);
(467321.8, 3760285.7, 280.1, 914.0, 0.0); (467371.8, 3760285.7, 281.0, 914.0, 0.0);
(467421.8, 3760285.7, 281.8, 914.0, 0.0); (467471.8, 3760285.7, 282.7, 914.0, 0.0);
(467521.8, 3760285.7, 283.0, 914.0, 0.0); (467571.8, 3760285.7, 283.8, 914.0, 0.0);
(467621.8, 3760285.7, 284.7, 914.0, 0.0); (467671.8, 3760285.7, 285.0, 914.0, 0.0);
(466771.8, 3760335.7, 272.0, 272.0, 0.0); (466821.8, 3760335.7, 272.0, 272.0, 0.0);
(466871.8, 3760335.7, 273.0, 273.0, 0.0); (466921.8, 3760335.7, 273.0, 273.0, 0.0);
(466971.8, 3760335.7, 274.0, 274.0, 0.0); (467021.8, 3760335.7, 275.0, 275.0, 0.0);
(467071.8, 3760335.7, 275.8, 275.8, 0.0); (467121.8, 3760335.7, 276.4, 276.4, 0.0);
(467171.8, 3760335.7, 277.1, 277.1, 0.0); (467221.8, 3760335.7, 278.0, 278.0, 0.0);
(467271.8, 3760335.7, 279.0, 914.0, 0.0); (467321.8, 3760335.7, 280.0, 914.0, 0.0);

```
 ( 467371.8, 3760335.7,     280.8,     914.0,       0.0);         ( 467421.8,
3760335.7,     281.4,     914.0,       0.0);
 ( 467471.8, 3760335.7,     282.0,     914.0,       0.0);         ( 467521.8,
3760335.7,     282.8,     914.0,       0.0);
 ( 467571.8, 3760335.7,     283.4,     914.0,       0.0);         ( 467621.8,
3760335.7,     284.0,     914.0,       0.0);
 ( 467671.8, 3760335.7,     284.8,     914.0,       0.0);         ( 466771.8,
3760385.7,     272.0,     272.0,       0.0);
 ( 466821.8, 3760385.7,     271.7,     271.7,       0.0);         ( 466871.8,
3760385.7,     271.4,     271.4,       0.0);
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                                        *** DISCRETE CARTESIAN RECEPTORS ***
                                     (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

 ( 466921.8, 3760385.7,     273.0,     273.0,       0.0);         ( 466971.8,
3760385.7,     274.0,     274.0,       0.0);
 ( 467021.8, 3760385.7,     275.0,     275.0,       0.0);         ( 467071.8,
3760385.7,     275.3,     275.3,       0.0);
 ( 467121.8, 3760385.7,     276.2,     276.2,       0.0);         ( 467171.8,
3760385.7,     277.0,     277.0,       0.0);
 ( 467221.8, 3760385.7,     277.8,     277.8,       0.0);         ( 467271.8,
3760385.7,     278.6,     914.0,       0.0);
 ( 467321.8, 3760385.7,     279.4,     914.0,       0.0);         ( 467371.8,
3760385.7,     280.3,     914.0,       0.0);
 ( 467421.8, 3760385.7,     281.0,     914.0,       0.0);         ( 467471.8,
3760385.7,     282.0,     914.0,       0.0);
 ( 467521.8, 3760385.7,     282.3,     914.0,       0.0);         ( 467571.8,
3760385.7,     283.0,     914.0,       0.0);
 ( 467621.8, 3760385.7,     284.0,     914.0,       0.0);         ( 467671.8,
3760385.7,     284.3,     914.0,       0.0);
 ( 466771.8, 3760435.7,     270.9,     270.9,       0.0);         ( 466821.8,
3760435.7,     271.0,     271.0,       0.0);
 ( 466871.8, 3760435.7,     271.4,     271.4,       0.0);         ( 466921.8,
3760435.7,     272.8,     272.8,       0.0);
 ( 466971.8, 3760435.7,     273.4,     273.4,       0.0);         ( 467021.8,
3760435.7,     274.1,     274.1,       0.0);
 ( 467071.8, 3760435.7,     274.9,     274.9,       0.0);         ( 467121.8,
3760435.7,     275.8,     275.8,       0.0);
 ( 467171.8, 3760435.7,     277.0,     277.0,       0.0);         ( 467221.8,
3760435.7,     277.8,     277.8,       0.0);
 ( 467271.8, 3760435.7,     278.3,     278.3,       0.0);         ( 467321.8,
3760435.7,     279.1,     914.0,       0.0);
 ( 467371.8, 3760435.7,     279.9,     914.0,       0.0);         ( 467421.8,
3760435.7,     280.4,     914.0,       0.0);
 ( 467471.8, 3760435.7,     281.1,     914.0,       0.0);         ( 467521.8,
3760435.7,     281.9,     914.0,       0.0);
 ( 467571.8, 3760435.7,     282.8,     914.0,       0.0);         ( 467621.8,
```

3760435.7, 283.1, 914.0, 0.0);
(467671.8, 3760435.7, 283.9, 914.0, 0.0); (466771.8, 3760485.7, 271.0, 271.0, 0.0);
(466821.8, 3760485.7, 272.0, 272.0, 0.0); (466871.8, 3760485.7, 272.0, 272.0, 0.0);
(466921.8, 3760485.7, 272.8, 272.8, 0.0); (466971.8, 3760485.7, 273.4, 273.4, 0.0);
(467021.8, 3760485.7, 274.0, 274.0, 0.0); (467071.8, 3760485.7, 274.8, 274.8, 0.0);
(467121.8, 3760485.7, 275.4, 275.4, 0.0); (467171.8, 3760485.7, 276.1, 276.1, 0.0);
(467221.8, 3760485.7, 277.0, 277.0, 0.0); (467271.8, 3760485.7, 278.0, 592.0, 0.0);
(467321.8, 3760485.7, 279.0, 914.0, 0.0); (467371.8, 3760485.7, 279.8, 914.0, 0.0);
(467421.8, 3760485.7, 280.0, 914.0, 0.0); (467471.8, 3760485.7, 281.0, 914.0, 0.0);
(467521.8, 3760485.7, 281.8, 914.0, 0.0); (467571.8, 3760485.7, 282.0, 914.0, 0.0);
(467621.8, 3760485.7, 283.0, 914.0, 0.0); (467671.8, 3760485.7, 283.7, 914.0, 0.0);
(466771.8, 3760535.7, 271.8, 271.8, 0.0); (467421.8, 3760535.7, 279.6, 914.0, 0.0);
(467471.8, 3760535.7, 280.4, 914.0, 0.0); (467521.8, 3760535.7, 281.0, 914.0, 0.0);
(467571.8, 3760535.7, 281.6, 914.0, 0.0); (467621.8, 3760535.7, 282.0, 914.0, 0.0);
(467671.8, 3760535.7, 282.8, 914.0, 0.0); (466771.8, 3760585.7, 270.9, 270.9, 0.0);
(467421.8, 3760585.7, 279.0, 914.0, 0.0); (467471.8, 3760585.7, 279.7, 914.0, 0.0);
(467521.8, 3760585.7, 280.5, 914.0, 0.0); (467571.8, 3760585.7, 281.0, 914.0, 0.0);
(467621.8, 3760585.7, 281.7, 914.0, 0.0); (467671.8, 3760585.7, 281.7, 914.0, 0.0);
(466771.8, 3760635.7, 270.0, 270.0, 0.0); (467421.8, 3760635.7, 278.0, 914.0, 0.0);
(467471.8, 3760635.7, 278.1, 914.0, 0.0); (467521.8, 3760635.7, 279.0, 914.0, 0.0);
(467571.8, 3760635.7, 280.4, 914.0, 0.0); (467621.8, 3760635.7, 281.0, 914.0, 0.0);
(467671.8, 3760635.7, 281.0, 914.0, 0.0); (466771.8, 3760685.7, 269.4, 269.4, 0.0);
(467421.8, 3760685.7, 277.2, 914.0, 0.0); (467471.8, 3760685.7, 277.4, 914.0, 0.0);
(467521.8, 3760685.7, 277.8, 914.0, 0.0); (467571.8, 3760685.7, 278.8, 914.0, 0.0);
(467621.8, 3760685.7, 279.4, 914.0, 0.0); (467671.8, 3760685.7, 279.8, 914.0, 0.0);
(466771.8, 3760735.7, 268.9, 268.9, 0.0); (467421.8, 3760735.7, 275.7, 914.0, 0.0);
(467471.8, 3760735.7, 275.8, 914.0, 0.0); (467521.8, 3760735.7, 276.9, 914.0, 0.0);
(467571.8, 3760735.7, 277.7, 914.0, 0.0); (467621.8, 3760735.7, 278.1, 914.0, 0.0);

```
 ( 467671.8, 3760735.7,     279.7,     914.0,       0.0);         ( 466771.8,
3760785.7,     268.0,     268.0,       0.0);
```



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

 ( 467421.8, 3760785.7,     274.0,     914.0,       0.0);         ( 467471.8,
3760785.7,     275.1,     914.0,       0.0);
 ( 467521.8, 3760785.7,     276.0,     914.0,       0.0);         ( 467571.8,
3760785.7,     277.0,     914.0,       0.0);
 ( 467621.8, 3760785.7,     278.1,     914.0,       0.0);         ( 467671.8,
3760785.7,     279.7,     914.0,       0.0);
 ( 466771.8, 3760835.7,     267.8,     267.8,       0.0);         ( 467421.8,
3760835.7,     274.3,     914.0,       0.0);
 ( 467471.8, 3760835.7,     275.1,     914.0,       0.0);         ( 467521.8,
3760835.7,     276.5,     914.0,       0.0);
 ( 467571.8, 3760835.7,     277.3,     914.0,       0.0);         ( 467621.8,
3760835.7,     278.1,     914.0,       0.0);
 ( 467671.8, 3760835.7,     279.3,     914.0,       0.0);         ( 466771.8,
3760885.7,     267.0,     267.0,       0.0);
 ( 467421.8, 3760885.7,     275.0,     914.0,       0.0);         ( 467471.8,
3760885.7,     276.0,     914.0,       0.0);
 ( 467521.8, 3760885.7,     276.7,     914.0,       0.0);         ( 467571.8,
3760885.7,     277.4,     914.0,       0.0);
 ( 467621.8, 3760885.7,     278.0,     914.0,       0.0);         ( 467671.8,
3760885.7,     278.5,     914.0,       0.0);
 ( 466771.8, 3760935.7,     266.8,     266.8,       0.0);         ( 467421.8,
3760935.7,     275.0,     592.0,       0.0);
 ( 467471.8, 3760935.7,     276.0,     914.0,       0.0);         ( 467521.8,
3760935.7,     276.0,     914.0,       0.0);
 ( 467571.8, 3760935.7,     277.0,     914.0,       0.0);         ( 467621.8,
3760935.7,     278.0,     914.0,       0.0);
 ( 467671.8, 3760935.7,     278.0,     914.0,       0.0);         ( 466771.8,
3760985.7,     266.0,     266.0,       0.0);
 ( 467421.8, 3760985.7,     274.6,     592.0,       0.0);         ( 467471.8,
3760985.7,     275.0,     914.0,       0.0);
 ( 467521.8, 3760985.7,     275.8,     914.0,       0.0);         ( 467571.8,
3760985.7,     277.0,     914.0,       0.0);
 ( 467621.8, 3760985.7,     277.6,     914.0,       0.0);         ( 467671.8,
3760985.7,     277.4,     914.0,       0.0);
 ( 466771.8, 3761035.7,     266.8,     266.8,       0.0);         ( 467421.8,
3761035.7,     273.8,     592.0,       0.0);
 ( 467471.8, 3761035.7,     274.7,     592.0,       0.0);         ( 467521.8,
3761035.7,     275.5,     914.0,       0.0);
 ( 467571.8, 3761035.7,     277.5,     914.0,       0.0);         ( 467621.8,
3761035.7,     279.3,     914.0,       0.0);
 ( 467671.8, 3761035.7,     280.5,     914.0,       0.0);         ( 466771.8,
```

```
3761085.7,     265.8,     265.8,       0.0);
 ( 467421.8, 3761085.7,     273.4,     592.0,       0.0);         ( 467471.8,
3761085.7,     274.1,     592.0,       0.0);
 ( 467521.8, 3761085.7,     275.0,     914.0,       0.0);         ( 467571.8,
3761085.7,     278.8,     914.0,       0.0);
 ( 467621.8, 3761085.7,     281.1,     914.0,       0.0);         ( 467671.8,
3761085.7,     281.3,     914.0,       0.0);
 ( 466771.8, 3761135.7,     265.9,     265.9,       0.0);         ( 467421.8,
3761135.7,     273.4,     592.0,       0.0);
 ( 467471.8, 3761135.7,     275.2,     592.0,       0.0);         ( 467521.8,
3761135.7,     278.6,     592.0,       0.0);
 ( 467571.8, 3761135.7,     280.4,     592.0,       0.0);         ( 467621.8,
3761135.7,     279.6,     914.0,       0.0);
 ( 467671.8, 3761135.7,     277.8,     914.0,       0.0);         ( 466771.8,
3761185.7,     267.2,     267.2,       0.0);
 ( 466821.8, 3761185.7,     267.3,     267.3,       0.0);         ( 466871.8,
3761185.7,     267.7,     267.7,       0.0);
 ( 466921.8, 3761185.7,     268.0,     268.0,       0.0);         ( 466971.8,
3761185.7,     268.1,     268.1,       0.0);
 ( 467021.8, 3761185.7,     269.0,     592.0,       0.0);         ( 467071.8,
3761185.7,     269.0,     592.0,       0.0);
 ( 467121.8, 3761185.7,     269.0,     592.0,       0.0);         ( 467171.8,
3761185.7,     269.0,     592.0,       0.0);
 ( 467221.8, 3761185.7,     268.2,     592.0,       0.0);         ( 467271.8,
3761185.7,     268.4,     592.0,       0.0);
 ( 467321.8, 3761185.7,     270.7,     592.0,       0.0);         ( 467371.8,
3761185.7,     272.4,     592.0,       0.0);
 ( 467421.8, 3761185.7,     275.6,     592.0,       0.0);         ( 467471.8,
3761185.7,     279.4,     592.0,       0.0);
 ( 467521.8, 3761185.7,     280.9,     592.0,       0.0);         ( 467571.8,
3761185.7,     277.0,     914.0,       0.0);
 ( 467621.8, 3761185.7,     274.1,     914.0,       0.0);         ( 467671.8,
3761185.7,     274.9,     914.0,       0.0);
 ( 466771.8, 3761235.7,     267.8,     267.8,       0.0);         ( 466821.8,
3761235.7,     268.0,     268.0,       0.0);
 ( 466871.8, 3761235.7,     267.1,     267.1,       0.0);         ( 466921.8,
3761235.7,     268.0,     268.0,       0.0);
 ( 466971.8, 3761235.7,     268.4,     268.4,       0.0);         ( 467021.8,
3761235.7,     269.0,     592.0,       0.0);
 ( 467071.8, 3761235.7,     269.0,     592.0,       0.0);         ( 467121.8,
3761235.7,     269.0,     592.0,       0.0);
 ( 467171.8, 3761235.7,     268.9,     592.0,       0.0);         ( 467221.8,
3761235.7,     268.0,     592.0,       0.0);
 ( 467271.8, 3761235.7,     269.2,     592.0,       0.0);         ( 467321.8,
3761235.7,     273.1,     592.0,       0.0);
 ( 467371.8, 3761235.7,     276.9,     592.0,       0.0);         ( 467421.8,
3761235.7,     280.9,     592.0,       0.0);
 ( 467471.8, 3761235.7,     280.6,     592.0,       0.0);         ( 467521.8,
3761235.7,     273.7,     592.0,       0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

 ( 467571.8, 3761235.7,     273.0,     914.0,       0.0);         ( 467621.8,
3761235.7,     273.1,     914.0,       0.0);
 ( 467671.8, 3761235.7,     274.0,     914.0,       0.0);         ( 466771.8,
3761285.7,     267.1,     267.1,       0.0);
 ( 466821.8, 3761285.7,     267.4,     267.4,       0.0);         ( 466871.8,
3761285.7,     267.0,     267.0,       0.0);
 ( 466921.8, 3761285.7,     267.3,     267.3,       0.0);         ( 466971.8,
3761285.7,     268.0,     268.0,       0.0);
 ( 467021.8, 3761285.7,     268.0,     592.0,       0.0);         ( 467071.8,
3761285.7,     268.0,     592.0,       0.0);
 ( 467121.8, 3761285.7,     268.0,     592.0,       0.0);         ( 467171.8,
3761285.7,     268.4,     592.0,       0.0);
 ( 467221.8, 3761285.7,     270.4,     592.0,       0.0);         ( 467271.8,
3761285.7,     273.4,     592.0,       0.0);
 ( 467321.8, 3761285.7,     275.0,     592.0,       0.0);         ( 467371.8,
3761285.7,     276.2,     592.0,       0.0);
 ( 467421.8, 3761285.7,     277.6,     592.0,       0.0);         ( 467471.8,
3761285.7,     277.2,     592.0,       0.0);
 ( 467521.8, 3761285.7,     272.7,     592.0,       0.0);         ( 467571.8,
3761285.7,     272.4,     914.0,       0.0);
 ( 467621.8, 3761285.7,     272.4,     914.0,       0.0);         ( 467671.8,
3761285.7,     273.4,     914.0,       0.0);
 ( 467721.8, 3760235.7,     286.2,     914.0,       0.0);         ( 467821.8,
3760235.7,     287.8,     914.0,       0.0);
 ( 467921.8, 3760235.7,     289.4,     914.0,       0.0);         ( 468021.8,
3760235.7,     291.2,     921.0,       0.0);
 ( 468121.8, 3760235.7,     292.8,     939.0,       0.0);         ( 468221.8,
3760235.7,     290.6,     939.0,       0.0);
 ( 467721.8, 3760335.7,     285.4,     914.0,       0.0);         ( 467821.8,
3760335.7,     287.0,     914.0,       0.0);
 ( 467921.8, 3760335.7,     289.0,     914.0,       0.0);         ( 468021.8,
3760335.7,     290.0,     914.0,       0.0);
 ( 468121.8, 3760335.7,     290.3,     939.0,       0.0);         ( 468221.8,
3760335.7,     289.2,     939.0,       0.0);
 ( 467721.8, 3760435.7,     284.8,     914.0,       0.0);         ( 467821.8,
3760435.7,     285.9,     914.0,       0.0);
 ( 467921.8, 3760435.7,     287.0,     914.0,       0.0);         ( 468021.8,
3760435.7,     287.7,     914.0,       0.0);
 ( 468121.8, 3760435.7,     286.0,     939.0,       0.0);         ( 468221.8,
3760435.7,     288.8,     939.0,       0.0);
 ( 467721.8, 3760535.7,     283.2,     914.0,       0.0);         ( 467821.8,
3760535.7,     283.4,     914.0,       0.0);
 ( 467921.8, 3760535.7,     283.2,     914.0,       0.0);         ( 468021.8,
3760535.7,     286.6,     914.0,       0.0);
 ( 468121.8, 3760535.7,     287.0,     939.0,       0.0);         ( 468221.8,
3760535.7,     289.1,     939.0,       0.0);
 ( 467721.8, 3760635.7,     280.0,     914.0,       0.0);         ( 467821.8,
3760635.7,     282.5,     914.0,       0.0);
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```
 ( 467921.8, 3760635.7,     286.1,     914.0,       0.0);         ( 468021.8,
3760635.7,     287.0,     914.0,       0.0);
 ( 468121.8, 3760635.7,     288.0,     914.0,       0.0);         ( 468221.8,
3760635.7,     288.1,     939.0,       0.0);
 ( 467721.8, 3760735.7,     281.4,     914.0,       0.0);         ( 467821.8,
3760735.7,     283.9,     914.0,       0.0);
 ( 467921.8, 3760735.7,     286.0,     914.0,       0.0);         ( 468021.8,
3760735.7,     286.4,     914.0,       0.0);
 ( 468121.8, 3760735.7,     286.0,     914.0,       0.0);         ( 468221.8,
3760735.7,     287.0,     939.0,       0.0);
 ( 467721.8, 3760835.7,     280.2,     914.0,       0.0);         ( 467821.8,
3760835.7,     282.1,     914.0,       0.0);
 ( 467921.8, 3760835.7,     286.9,     914.0,       0.0);         ( 468021.8,
3760835.7,     284.0,     914.0,       0.0);
 ( 468121.8, 3760835.7,     284.8,     914.0,       0.0);         ( 468221.8,
3760835.7,     286.0,     924.0,       0.0);
 ( 467721.8, 3760935.7,     279.4,     914.0,       0.0);         ( 467821.8,
3760935.7,     280.0,     914.0,       0.0);
 ( 467921.8, 3760935.7,     281.2,     914.0,       0.0);         ( 468021.8,
3760935.7,     282.4,     914.0,       0.0);
 ( 468121.8, 3760935.7,     284.0,     914.0,       0.0);         ( 468221.8,
3760935.7,     285.0,     914.0,       0.0);
 ( 467721.8, 3761035.7,     288.0,     914.0,       0.0);         ( 467821.8,
3761035.7,     279.2,     914.0,       0.0);
 ( 467921.8, 3761035.7,     280.0,     914.0,       0.0);         ( 468021.8,
3761035.7,     281.0,     914.0,       0.0);
 ( 468121.8, 3761035.7,     282.7,     914.0,       0.0);         ( 468221.8,
3761035.7,     284.1,     914.0,       0.0);
 ( 467721.8, 3761135.7,     277.2,     914.0,       0.0);         ( 467821.8,
3761135.7,     278.0,     914.0,       0.0);
 ( 467921.8, 3761135.7,     279.0,     914.0,       0.0);         ( 468021.8,
3761135.7,     280.0,     914.0,       0.0);
 ( 468121.8, 3761135.7,     281.7,     914.0,       0.0);         ( 468221.8,
3761135.7,     283.0,     914.0,       0.0);
 ( 467721.8, 3761235.7,     274.4,     914.0,       0.0);         ( 467821.8,
3761235.7,     276.0,     914.0,       0.0);
 ( 467921.8, 3761235.7,     278.0,     914.0,       0.0);         ( 468021.8,
3761235.7,     279.0,     914.0,       0.0);
 ( 468121.8, 3761235.7,     280.7,     914.0,       0.0);         ( 468221.8,
3761235.7,     282.1,     914.0,       0.0);
 ( 467299.5, 3761159.7,     269.3,     592.0,       0.0);         ( 467829.6,
3760661.5,     283.0,     914.0,       0.0);
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                                        *** DISCRETE CARTESIAN RECEPTORS ***
                                     (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

 ( 467826.4, 3760642.4,     282.8,     914.0,       0.0);         ( 467826.8,
```

```
3760623.3,     282.4,     914.0,       0.0);
 ( 467867.2, 3760685.2,     284.3,     914.0,       0.0);         ( 467870.7,
3760660.4,     284.4,     914.0,       0.0);
 ( 467873.6, 3760638.8,     284.5,     914.0,       0.0);         ( 467875.5,
3760611.6,     283.7,     914.0,       0.0);
 ( 467890.2, 3760591.8,     284.0,     914.0,       0.0);         ( 467902.6,
3760574.2,     284.3,     914.0,       0.0);
 ( 467852.3, 3760310.0,     287.7,     914.0,       0.0);         ( 467887.8,
3760311.2,     288.0,     914.0,       0.0);
 ( 467919.7, 3760310.4,     289.0,     914.0,       0.0);         ( 467957.2,
3760309.6,     289.2,     914.0,       0.0);
 ( 468003.5, 3760309.6,     290.0,     914.0,       0.0);         ( 468051.4,
3760311.6,     290.9,     924.0,       0.0);
 ( 468086.5, 3760312.8,     291.4,     939.0,       0.0);         ( 468126.0,
3760311.2,     291.0,     939.0,       0.0);
 ( 468154.3, 3760312.4,     290.0,     939.0,       0.0);         ( 467934.7,
3760865.5,     285.5,     914.0,       0.0);
 ( 467954.7, 3760841.6,     285.8,     914.0,       0.0);         ( 467977.0,
3760812.0,     285.3,     914.0,       0.0);
 ( 467995.0, 3760788.1,     285.4,     914.0,       0.0);         ( 468017.8,
3760766.5,     285.7,     914.0,       0.0);
 ( 468178.1, 3760581.8,     288.0,     939.0,       0.0);         ( 468258.1,
3760499.0,     289.9,     939.0,       0.0);
 ( 467788.7, 3760754.4,     283.1,     914.0,       0.0);         ( 467866.4,
3760800.2,     285.2,     914.0,       0.0);
 ( 467880.8, 3760783.6,     285.4,     914.0,       0.0);         ( 467903.9,
3760761.6,     285.7,     914.0,       0.0);
```


*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

        1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
1 1 1 1   1 1 1 1 1 1 1 1 1 1
        1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
1 1 1 1   1 1 1 1 1 1 1 1 1 1
        1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
1 1 1 1   1 1 1 1 1 1 1 1 1 1
        1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
1 1 1 1   1 1 1 1 1 1 1 1 1 1
        1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
1 1 1 1   1 1 1 1 1 1 1 1 1 1
        1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
1 1 1 1   1 1 1 1 1 1 1 1 1 1
        1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
1 1 1 1   1 1 1 1 1 1 1 1 1 1
        1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
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            NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS
INCLUDED IN THE DATA FILE.



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

                                                     1.54,    3.09,    5.14,    8.23,   10.80,
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

Surface file: ..\kral_sfc_pfl\KRAL_V11_trimmed.sfc Met Version: 22112
Profile file: ..\kral_sfc_pfl\KRAL_V11_trimmed.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 3171 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2019 Year: 2019

First 24 hours of scalar data
YR MO DY JDY HR H0 U* W* DT/DZ ZICNV ZIMCH M-O LEN Z0 BOWEN ALBEDO REF WS WD HT REF TA HT

---

19 01 01 1 01 -53.7 0.548 -9.000 -9.000 -999. 974. 330.7 0.12 0.58 1.00 6.14 44. 10.1 281.4 2.0
19 01 01 1 02 -48.4 0.493 -9.000 -9.000 -999. 836. 267.9 0.12 0.58 1.00 5.55 44. 10.1 281.4 2.0
19 01 01 1 03 -32.2 0.327 -9.000 -9.000 -999. 472. 117.6 0.12 0.58 1.00 3.74 38. 10.1 280.3 2.0
19 01 01 1 04 -14.7 0.169 -9.000 -9.000 -999. 190. 31.3 0.09 0.58 1.00 2.16 71. 10.1 279.8 2.0
19 01 01 1 05 -36.7 0.372 -9.000 -9.000 -999. 544. 151.9 0.12 0.58 1.00 4.23 38. 10.1 279.8 2.0
19 01 01 1 06 -51.0 0.517 -9.000 -9.000 -999. 891. 293.6 0.12 0.58 1.00 5.80 35. 10.1 280.3 2.0
19 01 01 1 07 -59.7 0.605 -9.000 -9.000 -999. 1126. 402.0 0.11 0.58 1.00 6.91 29. 10.1 280.3 2.0
19 01 01 1 08 -36.5 0.495 -9.000 -9.000 -999. 848. 293.2 0.11 0.58 0.53 5.67 12. 10.1 280.9 2.0
19 01 01 1 09 19.5 0.330 0.399 0.005 115. 478. -162.7 0.11 0.58 0.31 3.56 20. 10.1 282.5

```
2.0
19 01 01   1 10   54.7  0.536  0.694  0.005  216.  942.   -249.1  0.11   0.58   0.24    5.87   27.   10.1  283.8
2.0
19 01 01   1 11   79.0  0.654  0.988  0.005  431. 1268.   -313.1  0.11   0.58   0.21    7.20   17.   10.1  284.2
2.0
19 01 01   1 12   90.7  0.632  1.268  0.005  794. 1209.   -246.0  0.11   0.58   0.20    6.92   13.   10.1  284.8
2.0
19 01 01   1 13   89.3  0.608  1.309  0.005  886. 1141.   -222.3  0.11   0.58   0.20    6.64   16.   10.1  285.3
2.0
19 01 01   1 14   74.8  0.549  1.265  0.005  955.  982.   -195.3  0.11   0.58   0.22    5.97   13.   10.1  285.3
2.0
19 01 01   1 15   47.9  0.620  1.106  0.005  997. 1170.   -439.1  0.11   0.58   0.25    6.87   16.   10.1  285.3
2.0
19 01 01   1 16   10.9  0.545  0.678  0.005 1006.  973.  -1306.5  0.11   0.58   0.34    6.11   22.   10.1  284.8
2.0
19 01 01   1 17  -36.8  0.408 -9.000 -9.000 -999.  642.    183.0  0.11   0.58   0.62    4.73   14.   10.1  283.8
2.0
19 01 01   1 18  -38.4  0.392 -9.000 -9.000 -999.  590.    169.0  0.11   0.58   1.00    4.56   20.   10.1  282.5
2.0
19 01 01   1 19  -28.7  0.292 -9.000 -9.000 -999.  385.     93.9  0.11   0.58   1.00    3.44   18.   10.1  282.5
2.0
19 01 01   1 20  -24.6  0.250 -9.000 -9.000 -999.  301.     68.7  0.12   0.58   1.00    2.89   44.   10.1  282.0
2.0
19 01 01   1 21  -11.6  0.148 -9.000 -9.000 -999.  142.     25.0  0.09   0.58   1.00    1.92   81.   10.1  280.3
2.0
19 01 01   1 22   -7.9  0.120 -9.000 -9.000 -999.  100.     19.5  0.07   0.58   1.00    1.67  208.   10.1  279.2
2.0
19 01 01   1 23  -16.1  0.176 -9.000 -9.000 -999.  178.     34.2  0.09   0.58   1.00    2.25   82.   10.1  279.2
2.0
19 01 01   1 24  -23.1  0.233 -9.000 -9.000 -999.  270.     59.9  0.09   0.58   1.00    2.93   63.   10.1  280.3
2.0
```

First hour of profile data
YR MO DY HR HEIGHT F WDIR WSPD AMB_TMP sigmaA sigmaW sigmaV
19 01 01 01 10.1 1 44. 6.14 281.5 99.0 -99.00 -99.00

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

*** AERMOD - VERSION 24142 *** *** Massachusetts Avenue *** 02/05/25
*** AERMET - VERSION 22112 *** *** Period Average DPM Project Operations *** 10:37:26
PAGE 29
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

```
                          *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION   VALUES
FOR SOURCE GROUP: ALL       ***
                              INCLUDING SOURCE(S):     A0000023    , A0000024    ,
A0000025    , A0000026    , A0000027    ,
             A0000028    , A0000029    , A0000030    , A0000031    , A0000032    ,
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A0000033    , A0000034    , A0000035    ,
             A0000036    , A0000037    , A0000038    , EMGEN       , FIREPUMP    ,
A0000016    , A0000017    , A0000018    ,
             A0000019    , A0000020    , A0000021    , A0000022    , ID11        ,
ID12        , ID13        ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

   X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)   Y-COORD
(M)        CONC
```

```
     466821.85    3760535.68        0.00392                       466841.85
3760535.68        0.00391
     466861.85    3760535.68        0.00385                       466881.85
3760535.68        0.00380
     466901.85    3760535.68        0.00371                       466921.85
3760535.68        0.00362
     466941.85    3760535.68        0.00351                       466961.85
3760535.68        0.00337
     466981.85    3760535.68        0.00326                       467001.85
3760535.68        0.00313
     467021.85    3760535.68        0.00298                       467041.85
3760535.68        0.00288
     467061.85    3760535.68        0.00278                       467081.85
3760535.68        0.00267
     467101.85    3760535.68        0.00255                       467121.85
3760535.68        0.00245
     467141.85    3760535.68        0.00237                       467161.85
3760535.68        0.00229
     467181.85    3760535.68        0.00225                       467201.85
3760535.68        0.00222
     467221.85    3760535.68        0.00220                       467241.85
3760535.68        0.00220
     467261.85    3760535.68        0.00219                       467281.85
3760535.68        0.00215
     467301.85    3760535.68        0.00213                       467321.85
3760535.68        0.00213
     467341.85    3760535.68        0.00209                       467361.85
3760535.68        0.00207
     467381.85    3760535.68        0.00206                       466821.85
3760555.68        0.00423
     466841.85    3760555.68        0.00424                       466861.85
3760555.68        0.00423
     466881.85    3760555.68        0.00416                       466901.85
3760555.68        0.00411
     466921.85    3760555.68        0.00401                       466941.85
3760555.68        0.00390
     466961.85    3760555.68        0.00374                       466981.85
3760555.68        0.00361
     467001.85    3760555.68        0.00346                       467021.85
```

```
3760555.68        0.00330
     467041.85    3760555.68        0.00317                      467061.85
3760555.68        0.00305
     467081.85    3760555.68        0.00293                      467101.85
3760555.68        0.00278
     467121.85    3760555.68        0.00267                      467141.85
3760555.68        0.00259
     467161.85    3760555.68        0.00249                      467181.85
3760555.68        0.00245
     467201.85    3760555.68        0.00244                      467221.85
3760555.68        0.00242
     467241.85    3760555.68        0.00240                      467261.85
3760555.68        0.00239
     467281.85    3760555.68        0.00235                      467301.85
3760555.68        0.00233
     467321.85    3760555.68        0.00231                      467341.85
3760555.68        0.00228
     467361.85    3760555.68        0.00226                      467381.85
3760555.68        0.00225
     466821.85    3760575.68        0.00457                      466841.85
3760575.68        0.00461
     466861.85    3760575.68        0.00463                      466881.85
3760575.68        0.00459
     466901.85    3760575.68        0.00453                      466921.85
3760575.68        0.00444
     466941.85    3760575.68        0.00433                      466961.85
3760575.68        0.00416
     466981.85    3760575.68        0.00403                      467001.85
3760575.68        0.00387
     467021.85    3760575.68        0.00372                      467041.85
3760575.68        0.00351
     467061.85    3760575.68        0.00335                      467081.85
3760575.68        0.00321
     467101.85    3760575.68        0.00304                      467121.85
3760575.68        0.00292
     467141.85    3760575.68        0.00283                      467161.85
3760575.68        0.00273
     467181.85    3760575.68        0.00268                      467201.85
3760575.68        0.00268
     467221.85    3760575.68        0.00268                      467241.85
3760575.68        0.00266
```



```
                          *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION   VALUES
FOR SOURCE GROUP: ALL      ***
                             INCLUDING SOURCE(S):     A0000023    , A0000024    ,
A0000025    , A0000026    , A0000027    ,
             A0000028    , A0000029    , A0000030    , A0000031    , A0000032    ,
A0000033    , A0000034    , A0000035    ,
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             A0000036    , A0000037    , A0000038    , EMGEN       , FIREPUMP    ,
A0000016    , A0000017    , A0000018    ,
             A0000019    , A0000020    , A0000021    , A0000022    , ID11        ,
ID12        , ID13        ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

   X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)   Y-COORD
(M)        CONC
```

```
     467261.85    3760575.68        0.00262                       467281.85
3760575.68        0.00261
     467301.85    3760575.68        0.00257                       467321.85
3760575.68        0.00253
     467341.85    3760575.68        0.00252                       467361.85
3760575.68        0.00249
     467381.85    3760575.68        0.00246                       466821.85
3760595.68        0.00490
     466841.85    3760595.68        0.00499                       466861.85
3760595.68        0.00504
     466881.85    3760595.68        0.00506                       466901.85
3760595.68        0.00502
     466921.85    3760595.68        0.00495                       466941.85
3760595.68        0.00486
     466961.85    3760595.68        0.00473                       466981.85
3760595.68        0.00454
     467001.85    3760595.68        0.00434                       467021.85
3760595.68        0.00416
     467041.85    3760595.68        0.00392                       467061.85
3760595.68        0.00372
     467081.85    3760595.68        0.00356                       467101.85
3760595.68        0.00340
     467121.85    3760595.68        0.00324                       467141.85
3760595.68        0.00312
     467161.85    3760595.68        0.00305                       467181.85
3760595.68        0.00299
     467201.85    3760595.68        0.00296                       467221.85
3760595.68        0.00297
     467241.85    3760595.68        0.00296                       467261.85
3760595.68        0.00294
     467281.85    3760595.68        0.00290                       467301.85
3760595.68        0.00286
     467321.85    3760595.68        0.00283                       467341.85
3760595.68        0.00280
     467361.85    3760595.68        0.00278                       467381.85
3760595.68        0.00276
     466821.85    3760615.68        0.00523                       466841.85
3760615.68        0.00537
     466861.85    3760615.68        0.00546                       466881.85
3760615.68        0.00555
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     466901.85    3760615.68        0.00556                       466921.85
3760615.68        0.00552
     466941.85    3760615.68        0.00544                       466961.85
3760615.68        0.00533
     466981.85    3760615.68        0.00518                       467001.85
3760615.68        0.00495
     467021.85    3760615.68        0.00471                       467041.85
3760615.68        0.00445
     467061.85    3760615.68        0.00420                       467081.85
3760615.68        0.00398
     467101.85    3760615.68        0.00381                       467121.85
3760615.68        0.00363
     467141.85    3760615.68        0.00348                       467161.85
3760615.68        0.00342
     467181.85    3760615.68        0.00337                       467201.85
3760615.68        0.00333
     467221.85    3760615.68        0.00334                       467241.85
3760615.68        0.00333
     467261.85    3760615.68        0.00330                       467281.85
3760615.68        0.00326
     467301.85    3760615.68        0.00322                       467321.85
3760615.68        0.00320
     467341.85    3760615.68        0.00316                       467361.85
3760615.68        0.00314
     467381.85    3760615.68        0.00312                       466821.85
3760635.68        0.00554
     466841.85    3760635.68        0.00577                       466861.85
3760635.68        0.00592
     466881.85    3760635.68        0.00604                       466901.85
3760635.68        0.00613
     466921.85    3760635.68        0.00617                       466941.85
3760635.68        0.00614
     466961.85    3760635.68        0.00605                       466981.85
3760635.68        0.00592
     467001.85    3760635.68        0.00572                       467021.85
3760635.68        0.00542
     467041.85    3760635.68        0.00515                       467061.85
3760635.68        0.00484
     467081.85    3760635.68        0.00452                       467101.85
3760635.68        0.00432
```



```
                          *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION   VALUES
FOR SOURCE GROUP: ALL      ***
                              INCLUDING SOURCE(S):     A0000023    , A0000024    ,
A0000025    , A0000026    , A0000027    ,
             A0000028    , A0000029    , A0000030    , A0000031    , A0000032    ,
A0000033    , A0000034    , A0000035    ,
             A0000036    , A0000037    , A0000038    , EMGEN       , FIREPUMP    ,
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A0000016    , A0000017    , A0000018    ,
             A0000019    , A0000020    , A0000021    , A0000022    , ID11        ,
ID12        , ID13        ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

   X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)   Y-COORD
(M)        CONC
```

```
     467121.85    3760635.68        0.00411                       467141.85
3760635.68        0.00393
     467161.85    3760635.68        0.00387                       467181.85
3760635.68        0.00384
     467201.85    3760635.68        0.00384                       467221.85
3760635.68        0.00385
     467241.85    3760635.68        0.00380                       467261.85
3760635.68        0.00374
     467281.85    3760635.68        0.00373                       467301.85
3760635.68        0.00369
     467321.85    3760635.68        0.00365                       467341.85
3760635.68        0.00365
     467361.85    3760635.68        0.00361                       467381.85
3760635.68        0.00357
     466821.85    3760655.68        0.00587                       466841.85
3760655.68        0.00611
     466861.85    3760655.68        0.00639                       466881.85
3760655.68        0.00657
     466901.85    3760655.68        0.00674                       466921.85
3760655.68        0.00687
     466941.85    3760655.68        0.00692                       466961.85
3760655.68        0.00692
     466981.85    3760655.68        0.00680                       467001.85
3760655.68        0.00662
     467021.85    3760655.68        0.00631                       467041.85
3760655.68        0.00602
     467061.85    3760655.68        0.00567                       467081.85
3760655.68        0.00532
     467101.85    3760655.68        0.00505                       467121.85
3760655.68        0.00480
     467141.85    3760655.68        0.00457                       467161.85
3760655.68        0.00448
     467181.85    3760655.68        0.00444                       467201.85
3760655.68        0.00443
     467221.85    3760655.68        0.00443                       467241.85
3760655.68        0.00441
     467261.85    3760655.68        0.00439                       467281.85
3760655.68        0.00439
     467301.85    3760655.68        0.00435                       467321.85
3760655.68        0.00431
     467341.85    3760655.68        0.00428                       467361.85
```

```
3760655.68        0.00424
     467381.85    3760655.68        0.00424                      466821.85
3760675.68        0.00614
     466841.85    3760675.68        0.00645                      466861.85
3760675.68        0.00678
     466881.85    3760675.68        0.00711                      466901.85
3760675.68        0.00737
     466921.85    3760675.68        0.00759                      466941.85
3760675.68        0.00777
     466961.85    3760675.68        0.00788                      466981.85
3760675.68        0.00789
     467001.85    3760675.68        0.00777                      467021.85
3760675.68        0.00755
     467041.85    3760675.68        0.00761                      467061.85
3760675.68        0.00717
     467081.85    3760675.68        0.00667                      467101.85
3760675.68        0.00637
     467121.85    3760675.68        0.00597                      467141.85
3760675.68        0.00565
     467161.85    3760675.68        0.00553                      467181.85
3760675.68        0.00534
     467201.85    3760675.68        0.00530                      467221.85
3760675.68        0.00530
     467241.85    3760675.68        0.00531                      467261.85
3760675.68        0.00532
     467281.85    3760675.68        0.00530                      467301.85
3760675.68        0.00526
     467321.85    3760675.68        0.00521                      467341.85
3760675.68        0.00517
     467361.85    3760675.68        0.00514                      467381.85
3760675.68        0.00513
     466821.85    3760695.68        0.00633                      466841.85
3760695.68        0.00675
     466861.85    3760695.68        0.00714                      466881.85
3760695.68        0.00754
     466901.85    3760695.68        0.00801                      466921.85
3760695.68        0.00833
     466941.85    3760695.68        0.00868                      466961.85
3760695.68        0.00894
```



```
                          *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION   VALUES
FOR SOURCE GROUP: ALL      ***
                              INCLUDING SOURCE(S):     A0000023    , A0000024    ,
A0000025    , A0000026    , A0000027    ,
             A0000028    , A0000029    , A0000030    , A0000031    , A0000032    ,
A0000033    , A0000034    , A0000035    ,
             A0000036    , A0000037    , A0000038    , EMGEN       , FIREPUMP    ,
A0000016    , A0000017    , A0000018    ,
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             A0000019    , A0000020    , A0000021    , A0000022    , ID11        ,
ID12        , ID13        ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

   X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)   Y-COORD
(M)        CONC
```

```
     466981.85    3760695.68        0.00918                      467001.85
3760695.68        0.00932
     467021.85    3760695.68        0.01006                      467041.85
3760695.68        0.00975
     467061.85    3760695.68        0.00903                      467081.85
3760695.68        0.00817
     467101.85    3760695.68        0.00761                      467121.85
3760695.68        0.00743
     467141.85    3760695.68        0.00739                      467161.85
3760695.68        0.00719
     467181.85    3760695.68        0.00708                      467201.85
3760695.68        0.00677
     467221.85    3760695.68        0.00674                      467241.85
3760695.68        0.00677
     467261.85    3760695.68        0.00678                      467281.85
3760695.68        0.00671
     467301.85    3760695.68        0.00663                      467321.85
3760695.68        0.00656
     467341.85    3760695.68        0.00656                      467361.85
3760695.68        0.00648
     467381.85    3760695.68        0.00638                      466821.85
3760715.68        0.00642
     466841.85    3760715.68        0.00689                      466861.85
3760715.68        0.00739
     466881.85    3760715.68        0.00793                      466901.85
3760715.68        0.00845
     466921.85    3760715.68        0.00905                      466941.85
3760715.68        0.00957
     466961.85    3760715.68        0.01011                      466981.85
3760715.68        0.01079
     467001.85    3760715.68        0.01303                      467021.85
3760715.68        0.01266
     467041.85    3760715.68        0.01263                      467061.85
3760715.68        0.01212
     467081.85    3760715.68        0.01125                      467101.85
3760715.68        0.01051
     467121.85    3760715.68        0.01009                      467141.85
3760715.68        0.00996
     467161.85    3760715.68        0.00994                      467181.85
3760715.68        0.00977
     467201.85    3760715.68        0.00996                      467221.85
3760715.68        0.00946
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     467241.85    3760715.68        0.00946                       467261.85
3760715.68        0.00946
     467281.85    3760715.68        0.00934                       467301.85
3760715.68        0.00924
     467321.85    3760715.68        0.00915                       467341.85
3760715.68        0.00902
     467361.85    3760715.68        0.00893                       467381.85
3760715.68        0.00885
     466821.85    3760735.68        0.00641                       466841.85
3760735.68        0.00694
     466861.85    3760735.68        0.00750                       466881.85
3760735.68        0.00811
     466901.85    3760735.68        0.00879                       466921.85
3760735.68        0.00956
     466941.85    3760735.68        0.01036                       466961.85
3760735.68        0.01119
     466981.85    3760735.68        0.01327                       467001.85
3760735.68        0.01554
     467201.85    3760735.68        0.01464                       467221.85
3760735.68        0.01410
     467241.85    3760735.68        0.01367                       467261.85
3760735.68        0.01353
     467281.85    3760735.68        0.01324                       467301.85
3760735.68        0.01304
     467321.85    3760735.68        0.01284                       467341.85
3760735.68        0.01256
     467361.85    3760735.68        0.01233                       467381.85
3760735.68        0.01207
     466821.85    3760755.68        0.00631                       466841.85
3760755.68        0.00683
     466861.85    3760755.68        0.00750                       466881.85
3760755.68        0.00821
     466901.85    3760755.68        0.00895                       466921.85
3760755.68        0.00988
     466941.85    3760755.68        0.01087                       466961.85
3760755.68        0.01216
     466981.85    3760755.68        0.01471                       467001.85
3760755.68        0.01641
```



```
                          *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION   VALUES
FOR SOURCE GROUP: ALL      ***
                              INCLUDING SOURCE(S):     A0000023    , A0000024    ,
A0000025    , A0000026    , A0000027    ,
             A0000028    , A0000029    , A0000030    , A0000031    , A0000032    ,
A0000033    , A0000034    , A0000035    ,
             A0000036    , A0000037    , A0000038    , EMGEN       , FIREPUMP    ,
A0000016    , A0000017    , A0000018    ,
             A0000019    , A0000020    , A0000021    , A0000022    , ID11        ,
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ID12        , ID13        ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

   X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)   Y-COORD
(M)        CONC
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```
     467201.85    3760755.68        0.01323                       467221.85
3760755.68        0.01253
     467241.85    3760755.68        0.01157                       467261.85
3760755.68        0.01117
     467281.85    3760755.68        0.01071                       467301.85
3760755.68        0.01037
     467321.85    3760755.68        0.01003                       467341.85
3760755.68        0.00966
     467361.85    3760755.68        0.00937                       467381.85
3760755.68        0.00910
     466821.85    3760775.68        0.00612                       466841.85
3760775.68        0.00666
     466861.85    3760775.68        0.00732                       466881.85
3760775.68        0.00808
     466901.85    3760775.68        0.00895                       466921.85
3760775.68        0.00995
     466941.85    3760775.68        0.01110                       466961.85
3760775.68        0.01263
     466981.85    3760775.68        0.01508                       467001.85
3760775.68        0.01761
     467201.85    3760775.68        0.01502                       467221.85
3760775.68        0.01403
     467241.85    3760775.68        0.01285                       467261.85
3760775.68        0.01219
     467281.85    3760775.68        0.01156                       467301.85
3760775.68        0.01094
     467321.85    3760775.68        0.01036                       467341.85
3760775.68        0.00983
     467361.85    3760775.68        0.00939                       467381.85
3760775.68        0.00901
     466821.85    3760795.68        0.00589                       466841.85
3760795.68        0.00644
     466861.85    3760795.68        0.00706                       466881.85
3760795.68        0.00783
     466901.85    3760795.68        0.00876                       466921.85
3760795.68        0.00979
     466941.85    3760795.68        0.01106                       466961.85
3760795.68        0.01269
     466981.85    3760795.68        0.01497                       467001.85
3760795.68        0.01827
     467201.85    3760795.68        0.01906                       467221.85
3760795.68        0.01707
     467241.85    3760795.68        0.01542                       467261.85
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```
3760795.68        0.01419
     467281.85    3760795.68        0.01312                      467301.85
3760795.68        0.01217
     467321.85    3760795.68        0.01133                      467341.85
3760795.68        0.01063
     467361.85    3760795.68        0.01004                      467381.85
3760795.68        0.00952
     466821.85    3760815.68        0.00565                      466841.85
3760815.68        0.00621
     466861.85    3760815.68        0.00683                      466881.85
3760815.68        0.00758
     466901.85    3760815.68        0.00851                      466921.85
3760815.68        0.00955
     466941.85    3760815.68        0.01083                      466961.85
3760815.68        0.01244
     466981.85    3760815.68        0.01473                      467001.85
3760815.68        0.01983
     467201.85    3760815.68        0.02496                      467221.85
3760815.68        0.02118
     467241.85    3760815.68        0.01858                      467261.85
3760815.68        0.01659
     467281.85    3760815.68        0.01500                      467301.85
3760815.68        0.01370
     467321.85    3760815.68        0.01260                      467341.85
3760815.68        0.01168
     467361.85    3760815.68        0.01089                      467381.85
3760815.68        0.01021
     466821.85    3760835.68        0.00543                      466841.85
3760835.68        0.00599
     466861.85    3760835.68        0.00657                      466881.85
3760835.68        0.00729
     466901.85    3760835.68        0.00817                      466921.85
3760835.68        0.00925
     466941.85    3760835.68        0.01055                      466961.85
3760835.68        0.01219
     466981.85    3760835.68        0.01485                      467001.85
3760835.68        0.02051
```



```
                          *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION   VALUES
FOR SOURCE GROUP: ALL      ***
                              INCLUDING SOURCE(S):     A0000023    , A0000024    ,
A0000025    , A0000026    , A0000027    ,
             A0000028    , A0000029    , A0000030    , A0000031    , A0000032    ,
A0000033    , A0000034    , A0000035    ,
             A0000036    , A0000037    , A0000038    , EMGEN       , FIREPUMP    ,
A0000016    , A0000017    , A0000018    ,
             A0000019    , A0000020    , A0000021    , A0000022    , ID11        ,
ID12        , ID13        ,  . . .      ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
467201.85	3760835.68	0.03103	467221.85	3760835.68	0.02468
467241.85	3760835.68	0.02123	467261.85	3760835.68	0.01863
467281.85	3760835.68	0.01657	467301.85	3760835.68	0.01492
467321.85	3760835.68	0.01357	467341.85	3760835.68	0.01245
467361.85	3760835.68	0.01152	467381.85	3760835.68	0.01072
466821.85	3760855.68	0.00523	466841.85	3760855.68	0.00574
466861.85	3760855.68	0.00633	466881.85	3760855.68	0.00701
466901.85	3760855.68	0.00781	466921.85	3760855.68	0.00889
466941.85	3760855.68	0.01015	466961.85	3760855.68	0.01170
466981.85	3760855.68	0.01484	467001.85	3760855.68	0.01781
467201.85	3760855.68	0.03065	467221.85	3760855.68	0.02550
467241.85	3760855.68	0.02163	467261.85	3760855.68	0.01916
467281.85	3760855.68	0.01707	467301.85	3760855.68	0.01539
467321.85	3760855.68	0.01403	467341.85	3760855.68	0.01288
467361.85	3760855.68	0.01190	467381.85	3760855.68	0.01104
466821.85	3760875.68	0.00504	466841.85	3760875.68	0.00552
466861.85	3760875.68	0.00611	466881.85	3760875.68	0.00678
466901.85	3760875.68	0.00756	466921.85	3760875.68	0.00857
466941.85	3760875.68	0.00975	466961.85	3760875.68	0.01135
466981.85	3760875.68	0.01420	467001.85	3760875.68	0.01625
467201.85	3760875.68	0.02747	467221.85	3760875.68	0.02383
467241.85	3760875.68	0.02035	467261.85	3760875.68	0.01835

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     467281.85    3760875.68        0.01654                       467301.85
3760875.68        0.01507
     467321.85    3760875.68        0.01384                       467341.85
3760875.68        0.01282
     467361.85    3760875.68        0.01187                       467381.85
3760875.68        0.01101
     466821.85    3760895.68        0.00489                       466841.85
3760895.68        0.00535
     466861.85    3760895.68        0.00588                       466881.85
3760895.68        0.00652
     466901.85    3760895.68        0.00728                       466921.85
3760895.68        0.00817
     466941.85    3760895.68        0.00929                       466961.85
3760895.68        0.01120
     466981.85    3760895.68        0.01377                       467001.85
3760895.68        0.01452
     467201.85    3760895.68        0.02268                       467221.85
3760895.68        0.02129
     467241.85    3760895.68        0.01836                       467261.85
3760895.68        0.01656
     467281.85    3760895.68        0.01522                       467301.85
3760895.68        0.01400
     467321.85    3760895.68        0.01294                       467341.85
3760895.68        0.01224
     467361.85    3760895.68        0.01145                       467381.85
3760895.68        0.01064
     466821.85    3760915.68        0.00475                       466841.85
3760915.68        0.00520
     466861.85    3760915.68        0.00565                       466881.85
3760915.68        0.00623
     466901.85    3760915.68        0.00695                       466921.85
3760915.68        0.00772
     466941.85    3760915.68        0.00871                       466961.85
3760915.68        0.01055
     466981.85    3760915.68        0.01325                       467001.85
3760915.68        0.01241
```



```
                         *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION   VALUES
FOR SOURCE GROUP: ALL      ***
                             INCLUDING SOURCE(S):     A0000023    , A0000024    ,
A0000025    , A0000026    , A0000027    ,
             A0000028    , A0000029    , A0000030    , A0000031    , A0000032    ,
A0000033    , A0000034    , A0000035    ,
             A0000036    , A0000037    , A0000038    , EMGEN       , FIREPUMP    ,
A0000016    , A0000017    , A0000018    ,
             A0000019    , A0000020    , A0000021    , A0000022    , ID11        ,
ID12        , ID13        ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
467201.85	3760915.68	0.01947	467221.85	3760915.68	0.01998
467241.85	3760915.68	0.01649	467261.85	3760915.68	0.01474
467281.85	3760915.68	0.01366	467301.85	3760915.68	0.01269
467321.85	3760915.68	0.01185	467341.85	3760915.68	0.01125
467361.85	3760915.68	0.01048	467381.85	3760915.68	0.00984
466821.85	3760935.68	0.00463	466841.85	3760935.68	0.00501
466861.85	3760935.68	0.00543	466881.85	3760935.68	0.00595
466901.85	3760935.68	0.00653	466921.85	3760935.68	0.00717
466941.85	3760935.68	0.00796	466961.85	3760935.68	0.00931
466981.85	3760935.68	0.01114	467001.85	3760935.68	0.01155
467201.85	3760935.68	0.02391	467221.85	3760935.68	0.01805
467241.85	3760935.68	0.01480	467261.85	3760935.68	0.01312
467281.85	3760935.68	0.01203	467301.85	3760935.68	0.01127
467321.85	3760935.68	0.01033	467341.85	3760935.68	0.00969
467361.85	3760935.68	0.00917	467381.85	3760935.68	0.00875
466821.85	3760955.68	0.00448	466841.85	3760955.68	0.00484
466861.85	3760955.68	0.00518	466881.85	3760955.68	0.00561
466901.85	3760955.68	0.00611	466921.85	3760955.68	0.00659
466941.85	3760955.68	0.00712	466961.85	3760955.68	0.00779
466981.85	3760955.68	0.00909	467001.85	3760955.68	0.00962
467201.85	3760955.68	0.02317	467221.85	3760955.68	0.01533
467241.85	3760955.68	0.01212	467261.85	3760955.68	0.01077
467281.85	3760955.68	0.01001	467301.85		

```
3760955.68        0.00928
     467321.85    3760955.68        0.00860                      467341.85
3760955.68        0.00815
     467361.85    3760955.68        0.00783                      467381.85
3760955.68        0.00747
     466821.85    3760975.68        0.00433                      466841.85
3760975.68        0.00463
     466861.85    3760975.68        0.00495                      466881.85
3760975.68        0.00530
     466901.85    3760975.68        0.00567                      466921.85
3760975.68        0.00603
     466941.85    3760975.68        0.00640                      466961.85
3760975.68        0.00676
     466981.85    3760975.68        0.00768                      467001.85
3760975.68        0.00798
     467201.85    3760975.68        0.01286                      467221.85
3760975.68        0.01102
     467241.85    3760975.68        0.00943                      467261.85
3760975.68        0.00865
     467281.85    3760975.68        0.00809                      467301.85
3760975.68        0.00758
     467321.85    3760975.68        0.00717                      467341.85
3760975.68        0.00688
     467361.85    3760975.68        0.00668                      467381.85
3760975.68        0.00635
     466821.85    3760995.68        0.00417                      466841.85
3760995.68        0.00443
     466861.85    3760995.68        0.00471                      466881.85
3760995.68        0.00499
     466901.85    3760995.68        0.00526                      466921.85
3760995.68        0.00557
     466941.85    3760995.68        0.00584                      466961.85
3760995.68        0.00610
     466981.85    3760995.68        0.00643                      467001.85
3760995.68        0.00713
```



```
                         *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION   VALUES
FOR SOURCE GROUP: ALL      ***
                            INCLUDING SOURCE(S):     A0000023    , A0000024    ,
A0000025    , A0000026    , A0000027    ,
             A0000028    , A0000029    , A0000030    , A0000031    , A0000032    ,
A0000033    , A0000034    , A0000035    ,
             A0000036    , A0000037    , A0000038    , EMGEN       , FIREPUMP    ,
A0000016    , A0000017    , A0000018    ,
             A0000019    , A0000020    , A0000021    , A0000022    , ID11        ,
ID12        , ID13        ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***
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                                    ** CONC OF DPM      IN MICROGRAMS/M**3
**

   X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)   Y-COORD
(M)        CONC
```

```
     467021.85    3760995.68        0.00720                      467041.85
3760995.68        0.00734
     467061.85    3760995.68        0.00722                      467081.85
3760995.68        0.00761
     467101.85    3760995.68        0.00799                      467121.85
3760995.68        0.00871
     467141.85    3760995.68        0.01016                      467161.85
3760995.68        0.01228
     467181.85    3760995.68        0.01060                      467201.85
3760995.68        0.00894
     467221.85    3760995.68        0.00796                      467241.85
3760995.68        0.00755
     467261.85    3760995.68        0.00722                      467281.85
3760995.68        0.00683
     467301.85    3760995.68        0.00653                      467321.85
3760995.68        0.00628
     467341.85    3760995.68        0.00605                      467361.85
3760995.68        0.00590
     467381.85    3760995.68        0.00561                      466821.85
3761015.68        0.00402
     466841.85    3761015.68        0.00421                      466861.85
3761015.68        0.00446
     466881.85    3761015.68        0.00468                      466901.85
3761015.68        0.00487
     466921.85    3761015.68        0.00512                      466941.85
3761015.68        0.00532
     466961.85    3761015.68        0.00549                      466981.85
3761015.68        0.00568
     467001.85    3761015.68        0.00603                      467021.85
3761015.68        0.00655
     467041.85    3761015.68        0.00662                      467061.85
3761015.68        0.00686
     467081.85    3761015.68        0.00721                      467101.85
3761015.68        0.00747
     467121.85    3761015.68        0.00820                      467141.85
3761015.68        0.00885
     467161.85    3761015.68        0.00933                      467181.85
3761015.68        0.00836
     467201.85    3761015.68        0.00715                      467221.85
3761015.68        0.00654
     467241.85    3761015.68        0.00616                      467261.85
3761015.68        0.00591
     467281.85    3761015.68        0.00575                      467301.85
3761015.68        0.00562
     467321.85    3761015.68        0.00549                      467341.85
3761015.68        0.00539
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     467361.85    3761015.68        0.00527                      467381.85
3761015.68        0.00501
     466821.85    3761035.68        0.00383                      466841.85
3761035.68        0.00399
     466861.85    3761035.68        0.00419                      466881.85
3761035.68        0.00436
     466901.85    3761035.68        0.00451                      466921.85
3761035.68        0.00468
     466941.85    3761035.68        0.00484                      466961.85
3761035.68        0.00499
     466981.85    3761035.68        0.00512                      467001.85
3761035.68        0.00527
     467021.85    3761035.68        0.00554                      467041.85
3761035.68        0.00588
     467061.85    3761035.68        0.00618                      467081.85
3761035.68        0.00649
     467101.85    3761035.68        0.00677                      467121.85
3761035.68        0.00708
     467141.85    3761035.68        0.00726                      467161.85
3761035.68        0.00749
     467181.85    3761035.68        0.00693                      467201.85
3761035.68        0.00617
     467221.85    3761035.68        0.00569                      467241.85
3761035.68        0.00533
     467261.85    3761035.68        0.00506                      467281.85
3761035.68        0.00493
     467301.85    3761035.68        0.00483                      467321.85
3761035.68        0.00474
     467341.85    3761035.68        0.00471                      467361.85
3761035.68        0.00462
     467381.85    3761035.68        0.00442                      466821.85
3761055.68        0.00362
     466841.85    3761055.68        0.00375                      466861.85
3761055.68        0.00392
```



```
                          *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION   VALUES
FOR SOURCE GROUP: ALL      ***
                              INCLUDING SOURCE(S):     A0000023    , A0000024    ,
A0000025    , A0000026    , A0000027    ,
             A0000028    , A0000029    , A0000030    , A0000031    , A0000032    ,
A0000033    , A0000034    , A0000035    ,
             A0000036    , A0000037    , A0000038    , EMGEN       , FIREPUMP    ,
A0000016    , A0000017    , A0000018    ,
             A0000019    , A0000020    , A0000021    , A0000022    , ID11        ,
ID12        , ID13        ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***
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                                        ** CONC OF DPM      IN MICROGRAMS/M**3
**

   X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)   Y-COORD
(M)        CONC

-----------------------------------------------------------------------------------------

     466881.85    3761055.68        0.00406                       466901.85
3761055.68        0.00417
     466921.85    3761055.68        0.00428                       466941.85
3761055.68        0.00441
     466961.85    3761055.68        0.00456                       466981.85
3761055.68        0.00466
     467001.85    3761055.68        0.00477                       467021.85
3761055.68        0.00489
     467041.85    3761055.68        0.00511                       467061.85
3761055.68        0.00533
     467081.85    3761055.68        0.00554                       467101.85
3761055.68        0.00581
     467121.85    3761055.68        0.00600                       467141.85
3761055.68        0.00610
     467161.85    3761055.68        0.00625                       467181.85
3761055.68        0.00608
     467201.85    3761055.68        0.00543                       467221.85
3761055.68        0.00502
     467241.85    3761055.68        0.00473                       467261.85
3761055.68        0.00451
     467281.85    3761055.68        0.00438                       467301.85
3761055.68        0.00425
     467321.85    3761055.68        0.00413                       467341.85
3761055.68        0.00409
     467361.85    3761055.68        0.00403                       467381.85
3761055.68        0.00387
     466821.85    3761075.68        0.00341                       466841.85
3761075.68        0.00352
     466861.85    3761075.68        0.00363                       466881.85
3761075.68        0.00375
     466901.85    3761075.68        0.00386                       466921.85
3761075.68        0.00395
     466941.85    3761075.68        0.00405                       466961.85
3761075.68        0.00416
     466981.85    3761075.68        0.00429                       467001.85
3761075.68        0.00439
     467021.85    3761075.68        0.00450                       467041.85
3761075.68        0.00464
     467061.85    3761075.68        0.00480                       467081.85
3761075.68        0.00497
     467101.85    3761075.68        0.00512                       467121.85
3761075.68        0.00523
     467141.85    3761075.68        0.00532                       467161.85
3761075.68        0.00539
     467181.85    3761075.68        0.00553                       467201.85
3761075.68        0.00496
     467221.85    3761075.68        0.00458                       467241.85
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3761075.68        0.00429
     467261.85    3761075.68        0.00404                      467281.85
3761075.68        0.00391
     467301.85    3761075.68        0.00377                      467321.85
3761075.68        0.00365
     467341.85    3761075.68        0.00360                      467361.85
3761075.68        0.00354
     467381.85    3761075.68        0.00347                      466821.85
3761095.68        0.00320
     466841.85    3761095.68        0.00329                      466861.85
3761095.68        0.00338
     466881.85    3761095.68        0.00348                      466901.85
3761095.68        0.00359
     466921.85    3761095.68        0.00369                      466941.85
3761095.68        0.00378
     466961.85    3761095.68        0.00388                      466981.85
3761095.68        0.00402
     467001.85    3761095.68        0.00414                      467021.85
3761095.68        0.00426
     467041.85    3761095.68        0.00438                      467061.85
3761095.68        0.00452
     467081.85    3761095.68        0.00467                      467101.85
3761095.68        0.00474
     467121.85    3761095.68        0.00478                      467141.85
3761095.68        0.00480
     467161.85    3761095.68        0.00482                      467181.85
3761095.68        0.00509
     467201.85    3761095.68        0.00461                      467221.85
3761095.68        0.00422
     467241.85    3761095.68        0.00391                      467261.85
3761095.68        0.00367
     467281.85    3761095.68        0.00353                      467301.85
3761095.68        0.00340
```



```
                         *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION   VALUES
FOR SOURCE GROUP: ALL      ***
                            INCLUDING SOURCE(S):     A0000023    , A0000024    ,
A0000025    , A0000026    , A0000027    ,
             A0000028    , A0000029    , A0000030    , A0000031    , A0000032    ,
A0000033    , A0000034    , A0000035    ,
             A0000036    , A0000037    , A0000038    , EMGEN       , FIREPUMP    ,
A0000016    , A0000017    , A0000018    ,
             A0000019    , A0000020    , A0000021    , A0000022    , ID11        ,
ID12        , ID13        ,  . . .      ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

   X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)   Y-COORD
(M)        CONC

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     467321.85    3761095.68        0.00329                        467341.85
3761095.68        0.00321
     467361.85    3761095.68        0.00314                        467381.85
3761095.68        0.00308
     466821.85    3761115.68        0.00300                        466841.85
3761115.68        0.00308
     466861.85    3761115.68        0.00317                        466881.85
3761115.68        0.00327
     466901.85    3761115.68        0.00339                        466921.85
3761115.68        0.00348
     466941.85    3761115.68        0.00359                        466961.85
3761115.68        0.00372
     466981.85    3761115.68        0.00393                        467001.85
3761115.68        0.00415
     467021.85    3761115.68        0.00436                        467041.85
3761115.68        0.00452
     467061.85    3761115.68        0.00468                        467081.85
3761115.68        0.00479
     467101.85    3761115.68        0.00481                        467121.85
3761115.68        0.00479
     467141.85    3761115.68        0.00472                        467161.85
3761115.68        0.00466
     467181.85    3761115.68        0.00479                        467201.85
3761115.68        0.00434
     467221.85    3761115.68        0.00387                        467241.85
3761115.68        0.00357
     467261.85    3761115.68        0.00336                        467281.85
3761115.68        0.00320
     467301.85    3761115.68        0.00308                        467321.85
3761115.68        0.00299
     467341.85    3761115.68        0.00289                        467361.85
3761115.68        0.00282
     467381.85    3761115.68        0.00276                        466821.85
3761135.68        0.00282
     466841.85    3761135.68        0.00291                        466861.85
3761135.68        0.00300
     466881.85    3761135.68        0.00310                        466901.85
3761135.68        0.00323
     466921.85    3761135.68        0.00335                        466941.85
3761135.68        0.00351
     466961.85    3761135.68        0.00375                        466981.85
3761135.68        0.00434
     467001.85    3761135.68        0.00504                        467021.85
3761135.68        0.00505
     467041.85    3761135.68        0.00511                        467061.85
3761135.68        0.00519
     467081.85    3761135.68        0.00528                        467101.85
3761135.68        0.00534
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     467121.85    3761135.68        0.00532                      467141.85
3761135.68        0.00523
     467161.85    3761135.68        0.00509                      467181.85
3761135.68        0.00470
     467201.85    3761135.68        0.00389                      467221.85
3761135.68        0.00343
     467241.85    3761135.68        0.00316                      467261.85
3761135.68        0.00297
     467281.85    3761135.68        0.00286                      467301.85
3761135.68        0.00278
     467321.85    3761135.68        0.00270                      467341.85
3761135.68        0.00263
     467361.85    3761135.68        0.00257                      467381.85
3761135.68        0.00251
     466821.85    3761155.68        0.00267                      466841.85
3761155.68        0.00278
     466861.85    3761155.68        0.00288                      466881.85
3761155.68        0.00302
     466901.85    3761155.68        0.00318                      466921.85
3761155.68        0.00339
     466941.85    3761155.68        0.00380                      466961.85
3761155.68        0.00437
     466981.85    3761155.68        0.00411                      467001.85
3761155.68        0.00385
     467021.85    3761155.68        0.00373                      467041.85
3761155.68        0.00368
     467061.85    3761155.68        0.00367                      467081.85
3761155.68        0.00365
     467101.85    3761155.68        0.00365                      467121.85
3761155.68        0.00360
     467141.85    3761155.68        0.00350                      467161.85
3761155.68        0.00337
```


*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

```
                          *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION   VALUES
FOR SOURCE GROUP: ALL      ***
                              INCLUDING SOURCE(S):     A0000023    , A0000024    ,
A0000025    , A0000026    , A0000027    ,
             A0000028    , A0000029    , A0000030    , A0000031    , A0000032    ,
A0000033    , A0000034    , A0000035    ,
             A0000036    , A0000037    , A0000038    , EMGEN       , FIREPUMP    ,
A0000016    , A0000017    , A0000018    ,
             A0000019    , A0000020    , A0000021    , A0000022    , ID11        ,
ID12        , ID13        ,  . . .      ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
467181.85	3761155.68	0.00321	467201.85	3761155.68	0.00306
467221.85	3761155.68	0.00289	467241.85	3761155.68	0.00275
467261.85	3761155.68	0.00263	467281.85	3761155.68	0.00257
467301.85	3761155.68	0.00251	467321.85	3761155.68	0.00245
467341.85	3761155.68	0.00240	467361.85	3761155.68	0.00235
467381.85	3761155.68	0.00230	466821.85	3761175.68	0.00255
466841.85	3761175.68	0.00268	466861.85	3761175.68	0.00286
466881.85	3761175.68	0.00308	466901.85	3761175.68	0.00349
466921.85	3761175.68	0.00416	466941.85	3761175.68	0.00380
466961.85	3761175.68	0.00344	466981.85	3761175.68	0.00327
467001.85	3761175.68	0.00320	467021.85	3761175.68	0.00318
467041.85	3761175.68	0.00315	467061.85	3761175.68	0.00312
467081.85	3761175.68	0.00309	467101.85	3761175.68	0.00304
467121.85	3761175.68	0.00297	467141.85	3761175.68	0.00288
467161.85	3761175.68	0.00279	467181.85	3761175.68	0.00268
467201.85	3761175.68	0.00259	467221.85	3761175.68	0.00249
467241.85	3761175.68	0.00241	467261.85	3761175.68	0.00235
467281.85	3761175.68	0.00231	467301.85	3761175.68	0.00227
467321.85	3761175.68	0.00223	467341.85	3761175.68	0.00220
467361.85	3761175.68	0.00216	467381.85	3761175.68	0.00211
466771.85	3760235.68	0.00130	466821.85	3760235.68	0.00126
466871.85	3760235.68	0.00121	466921.85	3760235.68	0.00117
466971.85	3760235.68	0.00113	467021.85	3760235.68	0.00108
467071.85	3760235.68	0.00102	467121.85	3760235.68	0.00096
467171.85	3760235.68	0.00089	467221.85		

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3760235.68        0.00085
     467271.85    3760235.68        0.00083                      467321.85
3760235.68        0.00081
     467371.85    3760235.68        0.00082                      467421.85
3760235.68        0.00082
     467471.85    3760235.68        0.00082                      467521.85
3760235.68        0.00082
     467571.85    3760235.68        0.00083                      467621.85
3760235.68        0.00085
     467671.85    3760235.68        0.00088                      466771.85
3760285.68        0.00154
     466821.85    3760285.68        0.00148                      466871.85
3760285.68        0.00141
     466921.85    3760285.68        0.00136                      466971.85
3760285.68        0.00131
     467021.85    3760285.68        0.00124                      467071.85
3760285.68        0.00118
     467121.85    3760285.68        0.00110                      467171.85
3760285.68        0.00103
     467221.85    3760285.68        0.00097                      467271.85
3760285.68        0.00094
     467321.85    3760285.68        0.00094                      467371.85
3760285.68        0.00093
     467421.85    3760285.68        0.00093                      467471.85
3760285.68        0.00093
     467521.85    3760285.68        0.00093                      467571.85
3760285.68        0.00094
     467621.85    3760285.68        0.00097                      467671.85
3760285.68        0.00104
     466771.85    3760335.68        0.00184                      466821.85
3760335.68        0.00177
```



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                          *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION   VALUES
FOR SOURCE GROUP: ALL      ***
                              INCLUDING SOURCE(S):     A0000023    , A0000024    ,
A0000025    , A0000026    , A0000027    ,
             A0000028    , A0000029    , A0000030    , A0000031    , A0000032    ,
A0000033    , A0000034    , A0000035    ,
             A0000036    , A0000037    , A0000038    , EMGEN       , FIREPUMP    ,
A0000016    , A0000017    , A0000018    ,
             A0000019    , A0000020    , A0000021    , A0000022    , ID11        ,
ID12        , ID13        ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                     ** CONC OF DPM      IN MICROGRAMS/M**3
**
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X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
466871.85	3760335.68	0.00169	466921.85	3760335.68	0.00162
466971.85	3760335.68	0.00152	467021.85	3760335.68	0.00143
467071.85	3760335.68	0.00135	467121.85	3760335.68	0.00126
467171.85	3760335.68	0.00117	467221.85	3760335.68	0.00111
467271.85	3760335.68	0.00108	467321.85	3760335.68	0.00107
467371.85	3760335.68	0.00107	467421.85	3760335.68	0.00106
467471.85	3760335.68	0.00106	467521.85	3760335.68	0.00106
467571.85	3760335.68	0.00107	467621.85	3760335.68	0.00111
467671.85	3760335.68	0.00119	466771.85	3760385.68	0.00222
466821.85	3760385.68	0.00214	466871.85	3760385.68	0.00203
466921.85	3760385.68	0.00192	466971.85	3760385.68	0.00179
467021.85	3760385.68	0.00167	467071.85	3760385.68	0.00158
467121.85	3760385.68	0.00146	467171.85	3760385.68	0.00134
467221.85	3760385.68	0.00128	467271.85	3760385.68	0.00126
467321.85	3760385.68	0.00125	467371.85	3760385.68	0.00124
467421.85	3760385.68	0.00122	467471.85	3760385.68	0.00121
467521.85	3760385.68	0.00121	467571.85	3760385.68	0.00122
467621.85	3760385.68	0.00124	467671.85	3760385.68	0.00134
466771.85	3760435.68	0.00267	466821.85	3760435.68	0.00260
466871.85	3760435.68	0.00247	466921.85	3760435.68	0.00232
466971.85	3760435.68	0.00216	467021.85	3760435.68	0.00201
467071.85	3760435.68	0.00186	467121.85	3760435.68	0.00170
467171.85	3760435.68	0.00156	467221.85	3760435.68	0.00150
467271.85	3760435.68	0.00148	467321.85	3760435.68	0.00147
467371.85	3760435.68	0.00144	467421.85	3760435.68	0.00142

```
     467471.85    3760435.68        0.00141                      467521.85
3760435.68        0.00138
     467571.85    3760435.68        0.00138                      467621.85
3760435.68        0.00142
     467671.85    3760435.68        0.00150                      466771.85
3760485.68        0.00322
     466821.85    3760485.68        0.00319                      466871.85
3760485.68        0.00306
     466921.85    3760485.68        0.00286                      466971.85
3760485.68        0.00262
     467021.85    3760485.68        0.00241                      467071.85
3760485.68        0.00222
     467121.85    3760485.68        0.00202                      467171.85
3760485.68        0.00187
     467221.85    3760485.68        0.00181                      467271.85
3760485.68        0.00177
     467321.85    3760485.68        0.00173                      467371.85
3760485.68        0.00170
     467421.85    3760485.68        0.00168                      467471.85
3760485.68        0.00164
     467521.85    3760485.68        0.00161                      467571.85
3760485.68        0.00161
     467621.85    3760485.68        0.00164                      467671.85
3760485.68        0.00172
     466771.85    3760535.68        0.00385                      467421.85
3760535.68        0.00203
     467471.85    3760535.68        0.00197                      467521.85
3760535.68        0.00196
     467571.85    3760535.68        0.00196                      467621.85
3760535.68        0.00199
```


*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

```
                          *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION   VALUES
FOR SOURCE GROUP: ALL      ***
                              INCLUDING SOURCE(S):     A0000023    , A0000024    ,
A0000025    , A0000026    , A0000027    ,
             A0000028    , A0000029    , A0000030    , A0000031    , A0000032    ,
A0000033    , A0000034    , A0000035    ,
             A0000036    , A0000037    , A0000038    , EMGEN       , FIREPUMP    ,
A0000016    , A0000017    , A0000018    ,
             A0000019    , A0000020    , A0000021    , A0000022    , ID11        ,
ID12        , ID13        ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
467671.85	3760535.68	0.00207	466771.85	3760585.68	0.00446
467421.85	3760585.68	0.00257	467471.85	3760585.68	0.00254
467521.85	3760585.68	0.00252	467571.85	3760585.68	0.00252
467621.85	3760585.68	0.00252	467671.85	3760585.68	0.00257
466771.85	3760635.68	0.00503	467421.85	3760635.68	0.00359
467471.85	3760635.68	0.00358	467521.85	3760635.68	0.00351
467571.85	3760635.68	0.00342	467621.85	3760635.68	0.00335
467671.85	3760635.68	0.00331	466771.85	3760685.68	0.00536
467421.85	3760685.68	0.00560	467471.85	3760685.68	0.00547
467521.85	3760685.68	0.00529	467571.85	3760685.68	0.00509
467621.85	3760685.68	0.00490	467671.85	3760685.68	0.00472
466771.85	3760735.68	0.00531	467421.85	3760735.68	0.01169
467471.85	3760735.68	0.01122	467521.85	3760735.68	0.01084
467571.85	3760735.68	0.01036	467621.85	3760735.68	0.01002
467671.85	3760735.68	0.00959	466771.85	3760785.68	0.00488
467421.85	3760785.68	0.00840	467471.85	3760785.68	0.00756
467521.85	3760785.68	0.00687	467571.85	3760785.68	0.00628
467621.85	3760785.68	0.00577	467671.85	3760785.68	0.00530
466771.85	3760835.68	0.00441	467421.85	3760835.68	0.00939
467471.85	3760835.68	0.00810	467521.85	3760835.68	0.00713
467571.85	3760835.68	0.00633	467621.85	3760835.68	0.00567
467671.85	3760835.68	0.00510	466771.85	3760885.68	0.00405
467421.85	3760885.68	0.00942	467471.85	3760885.68	0.00807
467521.85	3760885.68	0.00703	467571.85	3760885.68	0.00620
467621.85	3760885.68	0.00550	467671.85	3760885.68	0.00492

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     466771.85    3760935.68        0.00387                       467421.85
3760935.68        0.00762
     467471.85    3760935.68        0.00671                       467521.85
3760935.68        0.00601
     467571.85    3760935.68        0.00539                       467621.85
3760935.68        0.00486
     467671.85    3760935.68        0.00441                       466771.85
3760985.68        0.00363
     467421.85    3760985.68        0.00537                       467471.85
3760985.68        0.00495
     467521.85    3760985.68        0.00457                       467571.85
3760985.68        0.00423
     467621.85    3760985.68        0.00393                       467671.85
3760985.68        0.00364
     466771.85    3761035.68        0.00341                       467421.85
3761035.68        0.00411
     467471.85    3761035.68        0.00379                       467521.85
3761035.68        0.00353
     467571.85    3761035.68        0.00323                       467621.85
3761035.68        0.00299
     467671.85    3761035.68        0.00280                       466771.85
3761085.68        0.00299
     467421.85    3761085.68        0.00303                       467471.85
3761085.68        0.00285
     467521.85    3761085.68        0.00267                       467571.85
3761085.68        0.00234
     467621.85    3761085.68        0.00217                       467671.85
3761085.68        0.00209
     466771.85    3761135.68        0.00259                       467421.85
3761135.68        0.00231
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                          *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION   VALUES
FOR SOURCE GROUP: ALL      ***
                              INCLUDING SOURCE(S):     A0000023    , A0000024    ,
A0000025    , A0000026    , A0000027    ,
             A0000028    , A0000029    , A0000030    , A0000031    , A0000032    ,
A0000033    , A0000034    , A0000035    ,
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A0000016    , A0000017    , A0000018    ,
             A0000019    , A0000020    , A0000021    , A0000022    , ID11        ,
ID12        , ID13        ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
467471.85	3761135.68	0.00207	467521.85	3761135.68	0.00182
467571.85	3761135.68	0.00171	467621.85	3761135.68	0.00169
467671.85	3761135.68	0.00171	466771.85	3761185.68	0.00226
466821.85	3761185.68	0.00250	466871.85	3761185.68	0.00304
466921.85	3761185.68	0.00373	466971.85	3761185.68	0.00307
467021.85	3761185.68	0.00297	467071.85	3761185.68	0.00291
467121.85	3761185.68	0.00277	467171.85	3761185.68	0.00256
467221.85	3761185.68	0.00234	467271.85	3761185.68	0.00221
467321.85	3761185.68	0.00215	467371.85	3761185.68	0.00205
467421.85	3761185.68	0.00171	467471.85	3761185.68	0.00148
467521.85	3761185.68	0.00139	467571.85	3761185.68	0.00148
467621.85	3761185.68	0.00156	467671.85	3761185.68	0.00147
466771.85	3761235.68	0.00194	466821.85	3761235.68	0.00206
466871.85	3761235.68	0.00214	466921.85	3761235.68	0.00221
466971.85	3761235.68	0.00223	467021.85	3761235.68	0.00226
467071.85	3761235.68	0.00222	467121.85	3761235.68	0.00212
467171.85	3761235.68	0.00198	467221.85	3761235.68	0.00184
467271.85	3761235.68	0.00179	467321.85	3761235.68	0.00172
467371.85	3761235.68	0.00143	467421.85	3761235.68	0.00124
467471.85	3761235.68	0.00121	467521.85	3761235.68	0.00140
467571.85	3761235.68	0.00139	467621.85	3761235.68	0.00133
467671.85	3761235.68	0.00125	466771.85	3761285.68	0.00164
466821.85	3761285.68	0.00169	466871.85	3761285.68	0.00172
466921.85	3761285.68	0.00175	466971.85	3761285.68	0.00179
467021.85	3761285.68	0.00181	467071.85	3761285.68	0.00177

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     467121.85    3761285.68        0.00170                      467171.85
3761285.68        0.00161
     467221.85    3761285.68        0.00158                      467271.85
3761285.68        0.00147
     467321.85    3761285.68        0.00132                      467371.85
3761285.68        0.00123
     467421.85    3761285.68        0.00114                      467471.85
3761285.68        0.00112
     467521.85    3761285.68        0.00125                      467571.85
3761285.68        0.00121
     467621.85    3761285.68        0.00116                      467671.85
3761285.68        0.00108
     467721.85    3760235.68        0.00092                      467821.85
3760235.68        0.00094
     467921.85    3760235.68        0.00094                      468021.85
3760235.68        0.00096
     468121.85    3760235.68        0.00094                      468221.85
3760235.68        0.00086
     467721.85    3760335.68        0.00140                      467821.85
3760335.68        0.00606
     467921.85    3760335.68        0.00679                      468021.85
3760335.68        0.00716
     468121.85    3760335.68        0.00710                      468221.85
3760335.68        0.00721
     467721.85    3760435.68        0.00172                      467821.85
3760435.68        0.00391
     467921.85    3760435.68        0.00179                      468021.85
3760435.68        0.00149
     468121.85    3760435.68        0.00137                      468221.85
3760435.68        0.00124
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                          *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION   VALUES
FOR SOURCE GROUP: ALL      ***
                              INCLUDING SOURCE(S):     A0000023    , A0000024    ,
A0000025    , A0000026    , A0000027    ,
             A0000028    , A0000029    , A0000030    , A0000031    , A0000032    ,
A0000033    , A0000034    , A0000035    ,
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A0000016    , A0000017    , A0000018    ,
             A0000019    , A0000020    , A0000021    , A0000022    , ID11        ,
ID12        , ID13        ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
467721.85	3760535.68	0.00226	467821.85	3760535.68	0.00437
467921.85	3760535.68	0.00213	468021.85	3760535.68	0.00170
468121.85	3760535.68	0.00148	468221.85	3760535.68	0.00130
467721.85	3760635.68	0.00338	467821.85	3760635.68	0.00500
467921.85	3760635.68	0.00273	468021.85	3760635.68	0.00215
468121.85	3760635.68	0.00180	468221.85	3760635.68	0.00156
467721.85	3760735.68	0.00936	467821.85	3760735.68	0.00655
467921.85	3760735.68	0.00333	468021.85	3760735.68	0.00254
468121.85	3760735.68	0.00209	468221.85	3760735.68	0.00177
467721.85	3760835.68	0.00459	467821.85	3760835.68	0.00371
467921.85	3760835.68	0.00298	468021.85	3760835.68	0.00252
468121.85	3760835.68	0.00212	468221.85	3760835.68	0.00181
467721.85	3760935.68	0.00398	467821.85	3760935.68	0.00328
467921.85	3760935.68	0.00272	468021.85	3760935.68	0.00228
468121.85	3760935.68	0.00194	468221.85	3760935.68	0.00168
467721.85	3761035.68	0.00242	467821.85	3761035.68	0.00236
467921.85	3761035.68	0.00204	468021.85	3761035.68	0.00178
468121.85	3761035.68	0.00155	468221.85	3761035.68	0.00137
467721.85	3761135.68	0.00167	467821.85	3761135.68	0.00152
467921.85	3761135.68	0.00137	468021.85	3761135.68	0.00123
468121.85	3761135.68	0.00110	468221.85	3761135.68	0.00100
467721.85	3761235.68	0.00119	467821.85	3761235.68	0.00106
467921.85	3761235.68	0.00094	468021.85	3761235.68	0.00085
468121.85	3761235.68	0.00077	468221.85	3761235.68	0.00071
467299.51	3761159.70	0.00246	467829.63	3760661.47	0.00494

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     467826.42    3760642.38        0.00483                      467826.75
3760623.29        0.00475
     467867.23    3760685.18        0.00407                      467870.69
3760660.39        0.00367
     467873.57    3760638.77        0.00337                      467875.48
3760611.64        0.00310
     467890.19    3760591.75        0.00273                      467902.58
3760574.16        0.00248
     467852.27    3760310.02        0.00281                      467887.79
3760311.22        0.00322
     467919.71    3760310.42        0.00321                      467957.21
3760309.62        0.00320
     468003.50    3760309.62        0.00321                      468051.38
3760311.62        0.00337
     468086.49    3760312.82        0.00346                      468125.99
3760311.22        0.00328
     468154.32    3760312.42        0.00330                      467934.74
3760865.52        0.00287
     467954.70    3760841.58        0.00281                      467977.04
3760812.05        0.00276
     467995.00    3760788.10        0.00270                      468017.75
3760766.55        0.00259
     468178.09    3760581.76        0.00150                      468258.14
3760499.02        0.00119
     467788.67    3760754.43        0.00521                      467866.38
3760800.22        0.00345
     467880.77    3760783.56        0.00344                      467903.93
3760761.63        0.00339
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                          *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES
FOR SOURCE GROUP:  ALL      ***
                             INCLUDING SOURCE(S):     A0000023    , A0000024    ,
A0000025    , A0000026    , A0000027    ,
             A0000028    , A0000029    , A0000030    , A0000031    , A0000032    ,
A0000033    , A0000034    , A0000035    ,
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A0000016    , A0000017    , A0000018    ,
             A0000019    , A0000020    , A0000021    , A0000022    , ID11        ,
ID12        , ID13        ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

  X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)  Y-
COORD (M)        CONC     (YYMMDDHH)
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    466821.85   3760535.68        0.10130  (23083106)                466841.85
3760535.68        0.10142  (23083106)
    466861.85   3760535.68        0.10673  (20111805)                466881.85
3760535.68        0.11685  (20111805)
    466901.85   3760535.68        0.12197  (23072405)                466921.85
3760535.68        0.12625  (20081406)
    466941.85   3760535.68        0.12837  (20070623)                466961.85
3760535.68        0.12939  (22072104)
    466981.85   3760535.68        0.12558  (22072104)                467001.85
3760535.68        0.12878  (20082704)
    467021.85   3760535.68        0.12749  (19042323)                467041.85
3760535.68        0.12271  (22080101)
    467061.85   3760535.68        0.12271  (22080802)                467081.85
3760535.68        0.12422  (20071902)
    467101.85   3760535.68        0.12407  (21090902)                467121.85
3760535.68        0.12252  (21090703)
    467141.85   3760535.68        0.12159  (21062704)                467161.85
3760535.68        0.11705  (21080806)
    467181.85   3760535.68        0.11266  (22082505)                467201.85
3760535.68        0.11285  (22082505)
    467221.85   3760535.68        0.10994  (21072406)                467241.85
3760535.68        0.11050  (23042803)
    467261.85   3760535.68        0.11258  (20081503)                467281.85
3760535.68        0.11095  (21061003)
    467301.85   3760535.68        0.11189  (23071204)                467321.85
3760535.68        0.10733  (23071204)
    467341.85   3760535.68        0.09949  (22100802)                467361.85
3760535.68        0.09440  (20082602)
    467381.85   3760535.68        0.09196  (23082506)                466821.85
3760555.68        0.10323  (23072505)
    466841.85   3760555.68        0.10615  (23083106)                466861.85
3760555.68        0.10676  (20061304)
    466881.85   3760555.68        0.11515  (20111805)                466901.85
3760555.68        0.12393  (23072405)
    466921.85   3760555.68        0.12989  (20081406)                466941.85
3760555.68        0.13040  (20081406)
    466961.85   3760555.68        0.13513  (20070623)                466981.85
3760555.68        0.13438  (22072104)
    467001.85   3760555.68        0.13157  (20082704)                467021.85
3760555.68        0.13196  (20082704)
    467041.85   3760555.68        0.12948  (19042323)                467061.85
3760555.68        0.12617  (22081024)
    467081.85   3760555.68        0.12706  (20071902)                467101.85
3760555.68        0.12745  (21090902)
    467121.85   3760555.68        0.12589  (21090703)                467141.85
3760555.68        0.12459  (21062704)
    467161.85   3760555.68        0.12008  (19072501)                467181.85
3760555.68        0.11744  (22082505)
    467201.85   3760555.68        0.11534  (21072406)                467221.85
3760555.68        0.11249  (23042803)
    467241.85   3760555.68        0.11531  (20081503)                467261.85
3760555.68        0.11583  (20081503)
    467281.85   3760555.68        0.11658  (23071204)                467301.85
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3760555.68        0.11396  (23071204)
    467321.85   3760555.68        0.10624  (22100802)                467341.85
3760555.68        0.09857  (20082602)
    467361.85   3760555.68        0.09583  (23082506)                467381.85
3760555.68        0.09418  (19082402)
    466821.85   3760575.68        0.10406  (23072505)                466841.85
3760575.68        0.10807  (23072505)
    466861.85   3760575.68        0.11117  (23083106)                466881.85
3760575.68        0.11260  (20061304)
    466901.85   3760575.68        0.12377  (20111805)                466921.85
3760575.68        0.13149  (23072405)
    466941.85   3760575.68        0.13713  (20081406)                466961.85
3760575.68        0.13940  (20070623)
    466981.85   3760575.68        0.14102  (22072104)                467001.85
3760575.68        0.13589  (22072104)
    467021.85   3760575.68        0.13867  (20082704)                467041.85
3760575.68        0.13631  (19042323)
    467061.85   3760575.68        0.13058  (22083006)                467081.85
3760575.68        0.12979  (19071503)
    467101.85   3760575.68        0.13086  (21090902)                467121.85
3760575.68        0.12932  (21090703)
    467141.85   3760575.68        0.12751  (21062704)                467161.85
3760575.68        0.12288  (19072501)
    467181.85   3760575.68        0.12159  (22082505)                467201.85
3760575.68        0.11870  (21072406)
    467221.85   3760575.68        0.11893  (23042803)                467241.85
3760575.68        0.12154  (20081503)
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*** AERMOD - VERSION 24142 *** *** Massachusetts Avenue *** 02/05/25
*** AERMET - VERSION 22112 *** *** Period Average DPM Project Operations *** 10:37:26
PAGE 45
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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                          *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES
FOR SOURCE GROUP:  ALL      ***
                             INCLUDING SOURCE(S):     A0000023    , A0000024    ,
A0000025    , A0000026    , A0000027    ,
             A0000028    , A0000029    , A0000030    , A0000031    , A0000032    ,
A0000033    , A0000034    , A0000035    ,
             A0000036    , A0000037    , A0000038    , EMGEN       , FIREPUMP    ,
A0000016    , A0000017    , A0000018    ,
             A0000019    , A0000020    , A0000021    , A0000022    , ID11        ,
ID12        , ID13        ,  . . .      ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

  X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)  Y-
COORD (M)        CONC     (YYMMDDHH)
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    467261.85   3760575.68        0.12099  (21061003)                 467281.85
3760575.68        0.12073  (23071204)
    467301.85   3760575.68        0.11336  (22100802)                 467321.85
3760575.68        0.10300  (22100802)
    467341.85   3760575.68        0.10015  (20082602)                 467361.85
3760575.68        0.09847  (19082402)
    467381.85   3760575.68        0.09497  (19082402)                 466821.85
3760595.68        0.10380  (23072503)
    466841.85   3760595.68        0.10890  (23072505)                 466861.85
3760595.68        0.11289  (23072505)
    466881.85   3760595.68        0.11636  (23083106)                 466901.85
3760595.68        0.11910  (20111805)
    466921.85   3760595.68        0.13245  (20111805)                 466941.85
3760595.68        0.13932  (20081406)
    466961.85   3760595.68        0.14290  (20081406)                 466981.85
3760595.68        0.14744  (20070623)
    467001.85   3760595.68        0.14633  (22072104)                 467021.85
3760595.68        0.14372  (20082704)
    467041.85   3760595.68        0.14225  (19042323)                 467061.85
3760595.68        0.13571  (22080101)
    467081.85   3760595.68        0.13487  (22080802)                 467101.85
3760595.68        0.13437  (21090902)
    467121.85   3760595.68        0.13289  (21090703)                 467141.85
3760595.68        0.13041  (21062704)
    467161.85   3760595.68        0.12635  (20082603)                 467181.85
3760595.68        0.12514  (22082505)
    467201.85   3760595.68        0.12097  (20082524)                 467221.85
3760595.68        0.12494  (20081503)
    467241.85   3760595.68        0.12504  (21061003)                 467261.85
3760595.68        0.12695  (23071204)
    467281.85   3760595.68        0.12141  (23071204)                 467301.85
3760595.68        0.11092  (22100802)
    467321.85   3760595.68        0.10518  (20082602)                 467341.85
3760595.68        0.10287  (19082402)
    467361.85   3760595.68        0.09940  (19082402)                 467381.85
3760595.68        0.09355  (19082402)
    466821.85   3760615.68        0.10589  (21091124)                 466841.85
3760615.68        0.10898  (23072503)
    466861.85   3760615.68        0.11388  (23072505)                 466881.85
3760615.68        0.11850  (23071304)
    466901.85   3760615.68        0.12206  (23083106)                 466921.85
3760615.68        0.12933  (20111805)
    466941.85   3760615.68        0.14100  (20111805)                 466961.85
3760615.68        0.14862  (20081406)
    466981.85   3760615.68        0.15202  (20070623)                 467001.85
3760615.68        0.15447  (22072104)
    467021.85   3760615.68        0.14761  (22072104)                 467041.85
3760615.68        0.14766  (20082704)
    467061.85   3760615.68        0.14231  (19042323)                 467081.85
3760615.68        0.14034  (22080802)
    467101.85   3760615.68        0.13853  (20071902)                 467121.85
3760615.68        0.13652  (21090703)
    467141.85   3760615.68        0.13327  (21062704)                 467161.85
3760615.68        0.12971  (20082603)
    467181.85   3760615.68        0.12796  (22082505)                 467201.85
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3760615.68        0.12814  (23042803)
    467221.85   3760615.68        0.13177  (20081503)                467241.85
3760615.68        0.13250  (23071204)
    467261.85   3760615.68        0.12976  (23071204)                467281.85
3760615.68        0.11936  (22100802)
    467301.85   3760615.68        0.11057  (20082602)                467321.85
3760615.68        0.10790  (19082402)
    467341.85   3760615.68        0.10407  (19082402)                467361.85
3760615.68        0.09771  (19082402)
    467381.85   3760615.68        0.09414  (23082201)                466821.85
3760635.68        0.10598  (23082304)
    466841.85   3760635.68        0.11105  (21091124)                466861.85
3760635.68        0.11454  (23072503)
    466881.85   3760635.68        0.11940  (23072505)                466901.85
3760635.68        0.12449  (23071304)
    466921.85   3760635.68        0.12817  (23083106)                466941.85
3760635.68        0.14016  (20111805)
    466961.85   3760635.68        0.14990  (23072405)                466981.85
3760635.68        0.15675  (20081406)
    467001.85   3760635.68        0.16192  (20070623)                467021.85
3760635.68        0.16032  (22072104)
    467041.85   3760635.68        0.15578  (20082704)                467061.85
3760635.68        0.15145  (19042323)
    467081.85   3760635.68        0.14569  (22080802)                467101.85
3760635.68        0.14291  (20071902)
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                          *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES
FOR SOURCE GROUP:  ALL      ***
                             INCLUDING SOURCE(S):     A0000023    , A0000024    ,
A0000025    , A0000026    , A0000027    ,
             A0000028    , A0000029    , A0000030    , A0000031    , A0000032    ,
A0000033    , A0000034    , A0000035    ,
             A0000036    , A0000037    , A0000038    , EMGEN       , FIREPUMP    ,
A0000016    , A0000017    , A0000018    ,
             A0000019    , A0000020    , A0000021    , A0000022    , ID11        ,
ID12        , ID13        ,  . . .      ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

  X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)  Y-
COORD (M)        CONC     (YYMMDDHH)
```

467121.85	3760635.68	0.14019	(21090703)	467141.85	3760635.68	0.13747	(21080806)
467161.85	3760635.68	0.13450	(22082505)	467181.85	3760635.68	0.13188	(20082524)
467201.85	3760635.68	0.13655	(20081503)	467221.85	3760635.68	0.13832	(21061003)
467241.85	3760635.68	0.13820	(23071204)	467261.85	3760635.68	0.12874	(23071204)
467281.85	3760635.68	0.11641	(20082602)	467301.85	3760635.68	0.11335	(19082402)
467321.85	3760635.68	0.10923	(19082402)	467341.85	3760635.68	0.10257	(22062201)
467361.85	3760635.68	0.09901	(23082201)	467381.85	3760635.68	0.09661	(23082201)
466821.85	3760655.68	0.10668	(20081306)	466841.85	3760655.68	0.11048	(23082304)
466861.85	3760655.68	0.11610	(21091124)	466881.85	3760655.68	0.12043	(23072503)
466901.85	3760655.68	0.12536	(23072505)	466921.85	3760655.68	0.13131	(23071304)
466941.85	3760655.68	0.13484	(23083106)	466961.85	3760655.68	0.15150	(20111805)
466981.85	3760655.68	0.16125	(20081406)	467001.85	3760655.68	0.16709	(20070623)
467021.85	3760655.68	0.17053	(22072104)	467041.85	3760655.68	0.16186	(20082704)
467061.85	3760655.68	0.15964	(19042323)	467081.85	3760655.68	0.15085	(22080802)
467101.85	3760655.68	0.14727	(20071902)	467121.85	3760655.68	0.14490	(20070905)
467141.85	3760655.68	0.14190	(21080806)	467161.85	3760655.68	0.13948	(22082505)
467181.85	3760655.68	0.13926	(23042803)	467201.85	3760655.68	0.14423	(20081503)
467221.85	3760655.68	0.14631	(23071204)	467241.85	3760655.68	0.13952	(23071204)
467261.85	3760655.68	0.12504	(22100802)	467281.85	3760655.68	0.11952	(19082402)
467301.85	3760655.68	0.11509	(19082402)	467321.85	3760655.68	0.10785	(22062201)
467341.85	3760655.68	0.10432	(23082201)	467361.85	3760655.68	0.10132	(23082201)
467381.85	3760655.68	0.09828	(20052624)	466821.85	3760675.68	0.11084	(20081306)
466841.85	3760675.68	0.11324	(20081306)	466861.85	3760675.68	0.11512	(23082304)
466881.85	3760675.68	0.12147	(21091124)	466901.85	3760675.68	0.12680	(23072503)
466921.85	3760675.68	0.13192	(23072505)	466941.85	3760675.68	0.13889	(23071304)
466961.85	3760675.68	0.14663	(20111805)	466981.85	3760675.68	0.16329	(20111805)
467001.85	3760675.68	0.17287	(20081406)	467021.85	3760675.68	0.17944	(20070623)
467041.85	3760675.68	0.17885	(22072104)	467061.85			

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    467081.85   3760675.68        0.15877  (22080101)                467101.85
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    467121.85   3760675.68        0.15221  (20070905)                467141.85
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    467161.85   3760675.68        0.14373  (22082505)                467181.85
3760675.68        0.15021  (20081503)
    467201.85   3760675.68        0.15400  (21061003)                467221.85
3760675.68        0.15090  (23071204)
    467241.85   3760675.68        0.13699  (23071204)                467261.85
3760675.68        0.12675  (19082402)
    467281.85   3760675.68        0.12194  (19082402)                467301.85
3760675.68        0.11403  (22062201)
    467321.85   3760675.68        0.11026  (23082201)                467341.85
3760675.68        0.10644  (23082201)
    467361.85   3760675.68        0.10317  (20052624)                467381.85
3760675.68        0.10155  (19091123)
    466821.85   3760695.68        0.11052  (22080102)                466841.85
3760695.68        0.11621  (20081306)
    466861.85   3760695.68        0.11994  (20081306)                466881.85
3760695.68        0.12161  (20081306)
    466901.85   3760695.68        0.12742  (21091124)                466921.85
3760695.68        0.13385  (23072503)
    466941.85   3760695.68        0.13934  (23072505)                466961.85
3760695.68        0.14746  (23083106)
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                         *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES
FOR SOURCE GROUP:  ALL      ***
                            INCLUDING SOURCE(S):     A0000023    , A0000024    ,
A0000025    , A0000026    , A0000027    ,
             A0000028    , A0000029    , A0000030    , A0000031    , A0000032    ,
A0000033    , A0000034    , A0000035    ,
             A0000036    , A0000037    , A0000038    , EMGEN       , FIREPUMP    ,
A0000016    , A0000017    , A0000018    ,
             A0000019    , A0000020    , A0000021    , A0000022    , ID11        ,
ID12        , ID13        ,  . . .      ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

  X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)  Y-
COORD (M)        CONC     (YYMMDDHH)
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466981.85 3760695.68 0.16173 (20111805) 467001.85
3760695.68 0.17727 (19111201)
467021.85 3760695.68 0.20469 (20081406) 467041.85
3760695.68 0.19058 (20082704)
467061.85 3760695.68 0.16552 (20082704) 467081.85
3760695.68 0.15784 (19042323)
467101.85 3760695.68 0.15128 (22011721) 467121.85
3760695.68 0.17985 (20070905)
467141.85 3760695.68 0.18008 (22120216) 467161.85
3760695.68 0.17458 (20082524)
467181.85 3760695.68 0.18202 (21061003) 467201.85
3760695.68 0.16348 (23071204)
467221.85 3760695.68 0.15117 (23071204) 467241.85
3760695.68 0.13572 (19082402)
467261.85 3760695.68 0.13035 (19082402) 467281.85
3760695.68 0.12170 (22062201)
467301.85 3760695.68 0.11754 (23082201) 467321.85
3760695.68 0.11295 (20052624)
467341.85 3760695.68 0.11032 (19091123) 467361.85
3760695.68 0.10861 (19091123)
467381.85 3760695.68 0.10370 (21100901) 466821.85
3760715.68 0.11019 (19110818)
466841.85 3760715.68 0.11171 (21110224) 466861.85
3760715.68 0.12043 (22080102)
466881.85 3760715.68 0.12699 (20081306) 466901.85
3760715.68 0.13007 (20081306)
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466961.85 3760715.68 0.14792 (23072505) 466981.85
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467241.85 3760715.68 0.14260 (19082402) 467261.85
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467281.85 3760715.68 0.12845 (23082201) 467301.85
3760715.68 0.12316 (20052624)
467321.85 3760715.68 0.12176 (19091123) 467341.85
3760715.68 0.11849 (19091123)
467361.85 3760715.68 0.11374 (21100901) 467381.85
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466821.85 3760735.68 0.11061 (22080905) 466841.85
3760735.68 0.11603 (19110818)
466861.85 3760735.68 0.11898 (19110818) 466881.85
3760735.68 0.12233 (22080102)
466901.85 3760735.68 0.13377 (20081306) 466921.85

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3760735.68        0.13956  (20081306)
    466941.85   3760735.68        0.14155  (20081306)                466961.85
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    466981.85   3760735.68        0.17689  (23072505)                467001.85
3760735.68        0.20005  (23083106)
    467201.85   3760735.68        0.17883  (23082506)                467221.85
3760735.68        0.16613  (22042903)
    467241.85   3760735.68        0.14043  (23082201)                467261.85
3760735.68        0.13467  (23082201)
    467281.85   3760735.68        0.13283  (19091123)                467301.85
3760735.68        0.12939  (19091123)
    467321.85   3760735.68        0.12396  (21100901)                467341.85
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    467361.85   3760735.68        0.10932  (21100901)                467381.85
3760735.68        0.10339  (21100901)
    466821.85   3760755.68        0.10383  (22080905)                466841.85
3760755.68        0.10855  (22080905)
    466861.85   3760755.68        0.11987  (22080905)                466881.85
3760755.68        0.12586  (19110818)
    466901.85   3760755.68        0.12905  (19091124)                466921.85
3760755.68        0.14099  (22080102)
    466941.85   3760755.68        0.14929  (20081306)                466961.85
3760755.68        0.15302  (20081306)
    466981.85   3760755.68        0.17084  (23071802)                467001.85
3760755.68        0.19049  (23083103)
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*** AERMOD - VERSION 24142 *** *** Massachusetts Avenue ***
02/05/25
*** AERMET - VERSION 22112 *** *** Period Average DPM Project Operations ***
10:37:26
PAGE 48
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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                          *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES
FOR SOURCE GROUP:  ALL      ***
                             INCLUDING SOURCE(S):     A0000023    , A0000024    ,
A0000025    , A0000026    , A0000027    ,
             A0000028    , A0000029    , A0000030    , A0000031    , A0000032    ,
A0000033    , A0000034    , A0000035    ,
             A0000036    , A0000037    , A0000038    , EMGEN       , FIREPUMP    ,
A0000016    , A0000017    , A0000018    ,
             A0000019    , A0000020    , A0000021    , A0000022    , ID11        ,
ID12        , ID13        ,  . . .      ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

  X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)  Y-
COORD (M)        CONC     (YYMMDDHH)
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467201.85	3760755.68	0.16538	(23082506)	467221.85	3760755.68	0.15218 (20090403)
467241.85	3760755.68	0.13507	(20052624)	467261.85	3760755.68	0.13095 (19091123)
467281.85	3760755.68	0.12358	(21100901)	467301.85	3760755.68	0.11845 (21100901)
467321.85	3760755.68	0.10675	(21100901)	467341.85	3760755.68	0.09985 (21100901)
467361.85	3760755.68	0.09180	(21100901)	467381.85	3760755.68	0.08328 (21100901)
466821.85	3760775.68	0.10400	(22090803)	466841.85	3760775.68	0.10794 (22090803)
466861.85	3760775.68	0.11177	(22080905)	466881.85	3760775.68	0.11819 (22080905)
466901.85	3760775.68	0.12844	(22080905)	466921.85	3760775.68	0.13735 (19110818)
466941.85	3760775.68	0.14293	(21110224)	466961.85	3760775.68	0.15884 (22080102)
466981.85	3760775.68	0.17078	(20081306)	467001.85	3760775.68	0.18517 (19080206)
467201.85	3760775.68	0.16338	(20090403)	467221.85	3760775.68	0.15184 (19091123)
467241.85	3760775.68	0.14044	(19091123)	467261.85	3760775.68	0.13012 (21100901)
467281.85	3760775.68	0.11573	(21100901)	467301.85	3760775.68	0.10727 (21100901)
467321.85	3760775.68	0.09737	(21100901)	467341.85	3760775.68	0.08729 (21100901)
467361.85	3760775.68	0.08550	(19061021)	467381.85	3760775.68	0.08175 (21080224)
466821.85	3760795.68	0.10305	(20082103)	466841.85	3760795.68	0.10861 (20082103)
466861.85	3760795.68	0.11314	(20082103)	466881.85	3760795.68	0.11824 (22090803)
466901.85	3760795.68	0.12364	(22090803)	466921.85	3760795.68	0.12919 (22070703)
466941.85	3760795.68	0.13850	(21072906)	466961.85	3760795.68	0.15819 (21072906)
466981.85	3760795.68	0.16871	(21072906)	467001.85	3760795.68	0.18759 (20081306)
467201.85	3760795.68	0.16764	(19090903)	467221.85	3760795.68	0.15067 (21100901)
467241.85	3760795.68	0.12908	(21100901)	467261.85	3760795.68	0.11785 (21100901)
467281.85	3760795.68	0.10532	(21100901)	467301.85	3760795.68	0.09328 (19061021)
467321.85	3760795.68	0.08927	(19061021)	467341.85	3760795.68	0.08770 (19061021)
467361.85	3760795.68	0.08574	(19061021)	467381.85	3760795.68	0.08338 (19061021)
466821.85	3760815.68	0.09823	(20092905)	466841.85	3760815.68	0.10428 (20092905)
466861.85	3760815.68	0.10924	(20092905)	466881.85	3760815.68	0.11632 (20082103)
466901.85	3760815.68	0.12401	(20082103)	466921.85		

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3760815.68        0.12996  (20082103)
    466941.85   3760815.68        0.13698  (22090803)                466961.85
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    466981.85   3760815.68        0.15861  (21072906)                467001.85
3760815.68        0.20927  (21072906)
    467201.85   3760815.68        0.15998  (21100901)                467221.85
3760815.68        0.13394  (21100901)
    467241.85   3760815.68        0.11563  (21100901)                467261.85
3760815.68        0.10306  (19061021)
    467281.85   3760815.68        0.09917  (19061021)                467301.85
3760815.68        0.09511  (19061021)
    467321.85   3760815.68        0.09093  (19061021)                467341.85
3760815.68        0.08665  (19061021)
    467361.85   3760815.68        0.08235  (19061021)                467381.85
3760815.68        0.07800  (19061021)
    466821.85   3760835.68        0.09078  (22083105)                466841.85
3760835.68        0.09500  (22083105)
    466861.85   3760835.68        0.10089  (20092905)                466881.85
3760835.68        0.10819  (20092905)
    466901.85   3760835.68        0.11563  (20092905)                466921.85
3760835.68        0.12450  (22081405)
    466941.85   3760835.68        0.13380  (22081405)                466961.85
3760835.68        0.14265  (22081405)
    466981.85   3760835.68        0.15974  (22081405)                467001.85
3760835.68        0.20807  (19090624)
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*** AERMOD - VERSION 24142 *** *** Massachusetts Avenue *** 02/05/25
*** AERMET - VERSION 22112 *** *** Period Average DPM Project Operations *** 10:37:26
PAGE 49
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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                          *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES
FOR SOURCE GROUP:  ALL      ***
                             INCLUDING SOURCE(S):     A0000023    , A0000024    ,
A0000025    , A0000026    , A0000027    ,
             A0000028    , A0000029    , A0000030    , A0000031    , A0000032    ,
A0000033    , A0000034    , A0000035    ,
             A0000036    , A0000037    , A0000038    , EMGEN       , FIREPUMP    ,
A0000016    , A0000017    , A0000018    ,
             A0000019    , A0000020    , A0000021    , A0000022    , ID11        ,
ID12        , ID13        ,  . . .      ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

  X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)  Y-
COORD (M)        CONC     (YYMMDDHH)
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467201.85	3760835.68	0.14621	(20020824)	467221.85	3760835.68
0.11967	(19061021)				
467241.85	3760835.68	0.11045	(19061021)	467261.85	3760835.68
0.10231	(19061021)				
467281.85	3760835.68	0.09485	(19061021)	467301.85	3760835.68
0.08815	(19061021)				
467321.85	3760835.68	0.08207	(19061021)	467341.85	3760835.68
0.07649	(19061021)				
467361.85	3760835.68	0.07135	(19061021)	467381.85	3760835.68
0.06657	(19061021)				
466821.85	3760855.68	0.09052	(23111617)	466841.85	3760855.68
0.09453	(23111617)				
466861.85	3760855.68	0.09846	(20070703)	466881.85	3760855.68
0.10253	(20070703)				
466901.85	3760855.68	0.10683	(19090401)	466921.85	3760855.68
0.11363	(19090401)				
466941.85	3760855.68	0.12028	(23102402)	466961.85	3760855.68
0.13019	(22081405)				
466981.85	3760855.68	0.16992	(22081405)	467001.85	3760855.68
0.16761	(22061904)				
467201.85	3760855.68	0.12350	(20082101)	467221.85	3760855.68
0.11417	(19061021)				
467241.85	3760855.68	0.09681	(19061021)	467261.85	3760855.68
0.08900	(23090923)				
467281.85	3760855.68	0.08419	(23090923)	467301.85	3760855.68
0.07998	(23090923)				
467321.85	3760855.68	0.07626	(23090923)	467341.85	3760855.68
0.07295	(23090923)				
467361.85	3760855.68	0.06993	(23090923)	467381.85	3760855.68
0.06716	(23090923)				
466821.85	3760875.68	0.09003	(23072506)	466841.85	3760875.68
0.09359	(23072506)				
466861.85	3760875.68	0.09811	(23072506)	466881.85	3760875.68
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466901.85	3760875.68	0.10654	(23072506)	466921.85	3760875.68
0.11192	(23072506)				
466941.85	3760875.68	0.11717	(23111617)	466961.85	3760875.68
0.12267	(23111617)				
466981.85	3760875.68	0.16313	(20073102)	467001.85	3760875.68
0.15273	(20072006)				
467201.85	3760875.68	0.12146	(20082024)	467221.85	3760875.68
0.10831	(20082024)				
467241.85	3760875.68	0.09853	(20082024)	467261.85	3760875.68
0.08547	(19072906)				
467281.85	3760875.68	0.08284	(19072906)	467301.85	3760875.68
0.08060	(19072906)				
467321.85	3760875.68	0.07829	(19072906)	467341.85	3760875.68
0.07568	(19072906)				
467361.85	3760875.68	0.07305	(22011622)	467381.85	3760875.68
0.07050	(22011622)				
466821.85	3760895.68	0.08192	(23072506)	466841.85	3760895.68
0.08594	(23072506)				
466861.85	3760895.68	0.09000	(23072506)	466881.85	3760895.68
0.09447	(23072506)				
466901.85	3760895.68	0.09925	(23072506)	466921.85	

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    466981.85   3760895.68        0.14516  (20080306)                467001.85
3760895.68        0.15201  (23080801)
    467201.85   3760895.68        0.12509  (19072703)                467221.85
3760895.68        0.11572  (20082024)
    467241.85   3760895.68        0.10487  (23072806)                467261.85
3760895.68        0.09334  (20082024)
    467281.85   3760895.68        0.08840  (19061104)                467301.85
3760895.68        0.08378  (19061104)
    467321.85   3760895.68        0.07961  (20081624)                467341.85
3760895.68        0.07749  (22081903)
    467361.85   3760895.68        0.07518  (22081903)                467381.85
3760895.68        0.07312  (22120108)
    466821.85   3760915.68        0.08231  (19091301)                466841.85
3760915.68        0.08637  (19091301)
    466861.85   3760915.68        0.09179  (20080306)                466881.85
3760915.68        0.09848  (20080306)
    466901.85   3760915.68        0.10431  (20080306)                466921.85
3760915.68        0.11094  (20080306)
    466941.85   3760915.68        0.11865  (20080306)                466961.85
3760915.68        0.13942  (22071906)
    466981.85   3760915.68        0.16251  (23080801)                467001.85
3760915.68        0.14789  (22081105)
```



```
                          *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES
FOR SOURCE GROUP:  ALL      ***
                             INCLUDING SOURCE(S):     A0000023    , A0000024    ,
A0000025    , A0000026    , A0000027    ,
             A0000028    , A0000029    , A0000030    , A0000031    , A0000032    ,
A0000033    , A0000034    , A0000035    ,
             A0000036    , A0000037    , A0000038    , EMGEN       , FIREPUMP    ,
A0000016    , A0000017    , A0000018    ,
             A0000019    , A0000020    , A0000021    , A0000022    , ID11        ,
ID12        , ID13        ,  . . .      ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

  X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)  Y-
COORD (M)        CONC     (YYMMDDHH)
```

```
    467201.85   3760915.68        0.12963  (22071606)                 467221.85
3760915.68        0.12462  (23072622)
    467241.85   3760915.68        0.11440  (23072622)                 467261.85
3760915.68        0.09556  (23072622)
    467281.85   3760915.68        0.09292  (19061104)                 467301.85
3760915.68        0.09041  (23072806)
    467321.85   3760915.68        0.08773  (19061104)                 467341.85
3760915.68        0.08520  (19061104)
    467361.85   3760915.68        0.08097  (19061104)                 467381.85
3760915.68        0.07738  (19061104)
    466821.85   3760935.68        0.08976  (20080306)                 466841.85
3760935.68        0.09386  (20080306)
    466861.85   3760935.68        0.09967  (20080306)                 466881.85
3760935.68        0.10588  (20080306)
    466901.85   3760935.68        0.11204  (20080306)                 466921.85
3760935.68        0.11666  (20080306)
    466941.85   3760935.68        0.12098  (20080306)                 466961.85
3760935.68        0.13918  (22071906)
    466981.85   3760935.68        0.17555  (21061403)                 467001.85
3760935.68        0.12890  (20082205)
    467201.85   3760935.68        0.21499  (23101814)                 467221.85
3760935.68        0.12731  (22070106)
    467241.85   3760935.68        0.11395  (23072622)                 467261.85
3760935.68        0.10301  (23072622)
    467281.85   3760935.68        0.09836  (23072622)                 467301.85
3760935.68        0.09526  (23072806)
    467321.85   3760935.68        0.09143  (19061104)                 467341.85
3760935.68        0.08816  (19061104)
    467361.85   3760935.68        0.08506  (23072806)                 467381.85
3760935.68        0.08216  (23080724)
    466821.85   3760955.68        0.09536  (20080306)                 466841.85
3760955.68        0.10029  (20080306)
    466861.85   3760955.68        0.10397  (20080306)                 466881.85
3760955.68        0.10754  (20080306)
    466901.85   3760955.68        0.11062  (21100921)                 466921.85
3760955.68        0.11556  (22071906)
    466941.85   3760955.68        0.11895  (20081502)                 466961.85
3760955.68        0.12525  (21082701)
    466981.85   3760955.68        0.16412  (19082102)                 467001.85
3760955.68        0.11734  (23031307)
    467201.85   3760955.68        0.28371  (23061711)                 467221.85
3760955.68        0.14334  (20012513)
    467241.85   3760955.68        0.10582  (22071606)                 467261.85
3760955.68        0.10377  (21061624)
    467281.85   3760955.68        0.10433  (23072622)                 467301.85
3760955.68        0.09983  (23072622)
    467321.85   3760955.68        0.09297  (23072622)                 467341.85
3760955.68        0.09033  (23072806)
    467361.85   3760955.68        0.08838  (23072806)                 467381.85
3760955.68        0.08557  (19061104)
    466821.85   3760975.68        0.09599  (20080306)                 466841.85
3760975.68        0.09817  (20080306)
    466861.85   3760975.68        0.10200  (20081502)                 466881.85
3760975.68        0.10619  (20081502)
    466901.85   3760975.68        0.10933  (20072906)                 466921.85
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3760975.68        0.11299  (22071906)
    466941.85   3760975.68        0.11670  (22081105)                466961.85
3760975.68        0.11877  (21082701)
    466981.85   3760975.68        0.14040  (19082102)                467001.85
3760975.68        0.11156  (23031307)
    467201.85   3760975.68        0.16176  (19101810)                467221.85
3760975.68        0.11713  (21022012)
    467241.85   3760975.68        0.10490  (19081501)                467261.85
3760975.68        0.10764  (19081501)
    467281.85   3760975.68        0.10473  (19081306)                467301.85
3760975.68        0.09870  (21061624)
    467321.85   3760975.68        0.09694  (23072622)                467341.85
3760975.68        0.09264  (23072622)
    467361.85   3760975.68        0.08881  (20082505)                467381.85
3760975.68        0.08595  (23072806)
    466821.85   3760995.68        0.09446  (20081502)                466841.85
3760995.68        0.09752  (22071906)
    466861.85   3760995.68        0.10013  (20072906)                466881.85
3760995.68        0.10385  (22071906)
    466901.85   3760995.68        0.10676  (21082701)                466921.85
3760995.68        0.11002  (20070503)
    466941.85   3760995.68        0.11234  (22081105)                466961.85
3760995.68        0.11261  (20091501)
    466981.85   3760995.68        0.11214  (20091501)                467001.85
3760995.68        0.12637  (21061403)
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                          *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES
FOR SOURCE GROUP:  ALL      ***
                             INCLUDING SOURCE(S):     A0000023    , A0000024    ,
A0000025    , A0000026    , A0000027    ,
             A0000028    , A0000029    , A0000030    , A0000031    , A0000032    ,
A0000033    , A0000034    , A0000035    ,
             A0000036    , A0000037    , A0000038    , EMGEN       , FIREPUMP    ,
A0000016    , A0000017    , A0000018    ,
             A0000019    , A0000020    , A0000021    , A0000022    , ID11        ,
ID12        , ID13        ,  . . .      ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

  X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)  Y-
COORD (M)        CONC     (YYMMDDHH)
```

467021.85	3760995.68	0.11499	(21061403)	467041.85	3760995.68	0.10224 (21061403)
467061.85	3760995.68	0.08064	(21061403)	467081.85	3760995.68	0.08068 (21061403)
467101.85	3760995.68	0.08194	(23031307)	467121.85	3760995.68	0.08267 (22060103)
467141.85	3760995.68	0.08255	(21091301)	467161.85	3760995.68	0.08333 (23071103)
467181.85	3760995.68	0.09602	(19020111)	467201.85	3760995.68	0.09551 (23082008)
467221.85	3760995.68	0.09090	(22092522)	467241.85	3760995.68	0.09722 (19100904)
467261.85	3760995.68	0.10326	(19100904)	467281.85	3760995.68	0.10366 (19100904)
467301.85	3760995.68	0.10180	(22071606)	467321.85	3760995.68	0.09739 (22071606)
467341.85	3760995.68	0.09136	(19080901)	467361.85	3760995.68	0.09097 (23072622)
467381.85	3760995.68	0.08751	(23072622)	466821.85	3761015.68	0.09263 (22071906)
466841.85	3761015.68	0.09583	(22071906)	466861.85	3761015.68	0.09801 (22071906)
466881.85	3761015.68	0.10198	(22081105)	466901.85	3761015.68	0.10435 (20091501)
466921.85	3761015.68	0.10601	(22081105)	466941.85	3761015.68	0.10633 (20091501)
466961.85	3761015.68	0.10236	(20091501)	466981.85	3761015.68	0.09541 (20091501)
467001.85	3761015.68	0.09678	(19082904)	467021.85	3761015.68	0.11314 (23060104)
467041.85	3761015.68	0.10217	(22060103)	467061.85	3761015.68	0.09994 (21091301)
467081.85	3761015.68	0.10151	(21091301)	467101.85	3761015.68	0.09030 (19110623)
467121.85	3761015.68	0.09098	(22081002)	467141.85	3761015.68	0.08468 (22062606)
467161.85	3761015.68	0.07329	(20092206)	467181.85	3761015.68	0.06325 (19020111)
467201.85	3761015.68	0.07841	(23092507)	467221.85	3761015.68	0.08767 (23092507)
467241.85	3761015.68	0.09159	(21052606)	467261.85	3761015.68	0.09324 (21052606)
467281.85	3761015.68	0.09667	(19100904)	467301.85	3761015.68	0.09736 (22071606)
467321.85	3761015.68	0.09758	(22091503)	467341.85	3761015.68	0.09594 (22071606)
467361.85	3761015.68	0.09176	(22071606)	467381.85	3761015.68	0.08658 (19080901)
466821.85	3761035.68	0.09101	(22071906)	466841.85	3761035.68	0.09431 (21082701)
466861.85	3761035.68	0.09701	(22081606)	466881.85	3761035.68	0.09874 (22081105)
466901.85	3761035.68	0.10002	(20091501)	466921.85	3761035.68	0.09968 (20091501)
466941.85	3761035.68	0.09560	(20091501)	466961.85		

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3761035.68        0.08961  (19081405)
    466981.85   3761035.68        0.08886  (19082904)                467001.85
3761035.68        0.08764  (19082904)
    467021.85   3761035.68        0.08765  (19082904)                467041.85
3761035.68        0.10184  (20092224)
    467061.85   3761035.68        0.10223  (23102405)                467081.85
3761035.68        0.09631  (23102405)
    467101.85   3761035.68        0.08949  (19111424)                467121.85
3761035.68        0.08377  (19111424)
    467141.85   3761035.68        0.07955  (22062606)                467161.85
3761035.68        0.06582  (20092206)
    467181.85   3761035.68        0.05546  (21100907)                467201.85
3761035.68        0.06633  (23092507)
    467221.85   3761035.68        0.07862  (23092507)                467241.85
3761035.68        0.08094  (22080106)
    467261.85   3761035.68        0.08880  (21052606)                467281.85
3761035.68        0.09027  (21052606)
    467301.85   3761035.68        0.09048  (19100904)                467321.85
3761035.68        0.09197  (19100904)
    467341.85   3761035.68        0.09363  (19100904)                467361.85
3761035.68        0.09306  (22071606)
    467381.85   3761035.68        0.08953  (22071606)                466821.85
3761055.68        0.09038  (22081105)
    466841.85   3761055.68        0.09237  (20091501)                466861.85
3761055.68        0.09375  (22081105)
```



```
                          *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES
FOR SOURCE GROUP:  ALL      ***
                             INCLUDING SOURCE(S):     A0000023    , A0000024    ,
A0000025    , A0000026    , A0000027    ,
             A0000028    , A0000029    , A0000030    , A0000031    , A0000032    ,
A0000033    , A0000034    , A0000035    ,
             A0000036    , A0000037    , A0000038    , EMGEN       , FIREPUMP    ,
A0000016    , A0000017    , A0000018    ,
             A0000019    , A0000020    , A0000021    , A0000022    , ID11        ,
ID12        , ID13        ,  . . .      ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

  X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)  Y-
COORD (M)        CONC     (YYMMDDHH)
```

466881.85 3761055.68 0.09520 (20091501) 466901.85
3761055.68 0.09326 (20091501)
466921.85 3761055.68 0.08844 (20091501) 466941.85
3761055.68 0.08559 (19081405)
466961.85 3761055.68 0.08511 (19082904) 466981.85
3761055.68 0.08372 (19082904)
467001.85 3761055.68 0.07986 (19082904) 467021.85
3761055.68 0.07453 (20092224)
467041.85 3761055.68 0.07658 (23102405) 467061.85
3761055.68 0.07901 (23102405)
467081.85 3761055.68 0.08313 (23102405) 467101.85
3761055.68 0.07646 (19111424)
467121.85 3761055.68 0.07509 (19111424) 467141.85
3761055.68 0.06533 (20092206)
467161.85 3761055.68 0.05742 (20092206) 467181.85
3761055.68 0.05099 (21100907)
467201.85 3761055.68 0.05706 (20102105) 467221.85
3761055.68 0.06752 (20102105)
467241.85 3761055.68 0.07524 (22080106) 467261.85
3761055.68 0.07874 (21052606)
467281.85 3761055.68 0.08704 (21052606) 467301.85
3761055.68 0.08713 (21052606)
467321.85 3761055.68 0.08345 (19100904) 467341.85
3761055.68 0.08705 (19100904)
467361.85 3761055.68 0.08770 (22071606) 467381.85
3761055.68 0.08757 (22091503)
466821.85 3761075.68 0.08829 (20091501) 466841.85
3761075.68 0.08907 (20091501)
466861.85 3761075.68 0.08954 (20091501) 466881.85
3761075.68 0.08732 (20091501)
466901.85 3761075.68 0.08264 (20091501) 466921.85
3761075.68 0.08203 (19081405)
466941.85 3761075.68 0.08063 (19082904) 466961.85
3761075.68 0.07960 (19082904)
466981.85 3761075.68 0.07638 (19082904) 467001.85
3761075.68 0.07216 (19050306)
467021.85 3761075.68 0.07304 (23102405) 467041.85
3761075.68 0.07221 (23102405)
467061.85 3761075.68 0.06876 (23102405) 467081.85
3761075.68 0.06539 (19111424)
467101.85 3761075.68 0.06436 (19111424) 467121.85
3761075.68 0.06378 (22042902)
467141.85 3761075.68 0.06005 (20092206) 467161.85
3761075.68 0.04870 (23013019)
467181.85 3761075.68 0.04774 (19122605) 467201.85
3761075.68 0.05076 (23070206)
467221.85 3761075.68 0.06058 (23070206) 467241.85
3761075.68 0.06744 (20102105)
467261.85 3761075.68 0.07292 (22080106) 467281.85
3761075.68 0.07627 (21052606)
467301.85 3761075.68 0.08225 (21052606) 467321.85
3761075.68 0.08213 (21052606)
467341.85 3761075.68 0.07941 (20071306) 467361.85
3761075.68 0.08126 (19100904)
467381.85 3761075.68 0.08182 (19100904) 466821.85

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3761095.68        0.08527  (20091501)
    466841.85   3761095.68        0.08456  (20091501)                466861.85
3761095.68        0.08137  (20091501)
    466881.85   3761095.68        0.07830  (20090702)                466901.85
3761095.68        0.07921  (19081405)
    466921.85   3761095.68        0.07716  (19102624)                466941.85
3761095.68        0.07589  (19082904)
    466961.85   3761095.68        0.07254  (19082904)                466981.85
3761095.68        0.07065  (23102022)
    467001.85   3761095.68        0.07012  (23102405)                467021.85
3761095.68        0.06981  (23102405)
    467041.85   3761095.68        0.06666  (23102405)                467061.85
3761095.68        0.06186  (20080806)
    467081.85   3761095.68        0.06275  (22092902)                467101.85
3761095.68        0.06013  (22090504)
    467121.85   3761095.68        0.06030  (22090605)                467141.85
3761095.68        0.05468  (20092206)
    467161.85   3761095.68        0.04821  (23013019)                467181.85
3761095.68        0.04645  (22022319)
    467201.85   3761095.68        0.04725  (21122805)                467221.85
3761095.68        0.05320  (23070206)
    467241.85   3761095.68        0.06124  (23070206)                467261.85
3761095.68        0.06612  (22080106)
    467281.85   3761095.68        0.07057  (22080106)                467301.85
3761095.68        0.07272  (21052606)
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*** AERMOD - VERSION 24142 *** *** Massachusetts Avenue *** 02/05/25
*** AERMET - VERSION 22112 *** *** Period Average DPM Project Operations *** 10:37:26
PAGE 53
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

```
                          *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES
FOR SOURCE GROUP:  ALL      ***
                             INCLUDING SOURCE(S):     A0000023    , A0000024    ,
A0000025    , A0000026    , A0000027    ,
             A0000028    , A0000029    , A0000030    , A0000031    , A0000032    ,
A0000033    , A0000034    , A0000035    ,
             A0000036    , A0000037    , A0000038    , EMGEN       , FIREPUMP    ,
A0000016    , A0000017    , A0000018    ,
             A0000019    , A0000020    , A0000021    , A0000022    , ID11        ,
ID12        , ID13        ,  . . .      ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

  X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)  Y-
COORD (M)        CONC     (YYMMDDHH)
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467321.85	3761095.68	0.07798	(21052606)	467341.85	3761095.68
0.07849	(21052606)				
467361.85	3761095.68	0.07528	(21052606)	467381.85	3761095.68
0.07507	(19100904)				
466821.85	3761115.68	0.07992	(20091501)	466841.85	3761115.68
0.07637	(20091501)				
466861.85	3761115.68	0.07509	(20090702)	466881.85	3761115.68
0.07581	(19081405)				
466901.85	3761115.68	0.07448	(19102624)	466921.85	3761115.68
0.07312	(19102624)				
466941.85	3761115.68	0.06960	(19082904)	466961.85	3761115.68
0.06781	(22080604)				
466981.85	3761115.68	0.06779	(19050306)	467001.85	3761115.68
0.06758	(23102405)				
467021.85	3761115.68	0.06517	(23102405)	467041.85	3761115.68
0.06055	(23102405)				
467061.85	3761115.68	0.06019	(22092902)	467081.85	3761115.68
0.05909	(22092902)				
467101.85	3761115.68	0.05850	(19022522)	467121.85	3761115.68
0.05671	(22090605)				
467141.85	3761115.68	0.05216	(23013019)	467161.85	3761115.68
0.04693	(23013019)				
467181.85	3761115.68	0.04336	(22022319)	467201.85	3761115.68
0.04495	(19122605)				
467221.85	3761115.68	0.04672	(23070206)	467241.85	3761115.68
0.05489	(23070206)				
467261.85	3761115.68	0.06061	(23070206)	467281.85	3761115.68
0.06469	(22080106)				
467301.85	3761115.68	0.06727	(22080106)	467321.85	3761115.68
0.06961	(21052606)				
467341.85	3761115.68	0.07393	(21052606)	467361.85	3761115.68
0.07420	(21052606)				
467381.85	3761115.68	0.07155	(21052606)	466821.85	3761135.68
0.07120	(20091501)				
466841.85	3761135.68	0.07243	(20090702)	466861.85	3761135.68
0.07278	(19081405)				
466881.85	3761135.68	0.07131	(19102624)	466901.85	3761135.68
0.07078	(19102624)				
466921.85	3761135.68	0.06730	(19102624)	466941.85	3761135.68
0.06589	(23083102)				
466961.85	3761135.68	0.06584	(23102022)	466981.85	3761135.68
0.06697	(23102405)				
467001.85	3761135.68	0.06833	(23102405)	467021.85	3761135.68
0.06433	(23102405)				
467041.85	3761135.68	0.06071	(20080806)	467061.85	3761135.68
0.06100	(22092902)				
467081.85	3761135.68	0.05833	(19052106)	467101.85	3761135.68
0.05949	(22090605)				
467121.85	3761135.68	0.05637	(22090605)	467141.85	3761135.68
0.05195	(23013019)				
467161.85	3761135.68	0.04756	(23013019)	467181.85	3761135.68
0.04315	(23072206)				
467201.85	3761135.68	0.04324	(19122605)	467221.85	3761135.68
0.04443	(21122805)				
467241.85	3761135.68	0.04761	(23070206)	467261.85	

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3761135.68        0.05416  (23070206)
    467281.85   3761135.68        0.05851  (23070206)                467301.85
3761135.68        0.06229  (22080106)
    467321.85   3761135.68        0.06380  (22080106)                467341.85
3761135.68        0.06608  (21052606)
    467361.85   3761135.68        0.07045  (21052606)                467381.85
3761135.68        0.07073  (21052606)
    466821.85   3761155.68        0.06936  (20090702)                466841.85
3761155.68        0.07026  (19081405)
    466861.85   3761155.68        0.06875  (19081405)                466881.85
3761155.68        0.06820  (19102624)
    466901.85   3761155.68        0.06553  (19102624)                466921.85
3761155.68        0.06419  (23083102)
    466941.85   3761155.68        0.06599  (23102022)                466961.85
3761155.68        0.06791  (23102022)
    466981.85   3761155.68        0.06615  (23102405)                467001.85
3761155.68        0.06185  (23102405)
    467021.85   3761155.68        0.05809  (22092902)                467041.85
3761155.68        0.05881  (22092902)
    467061.85   3761155.68        0.05696  (22092902)                467081.85
3761155.68        0.05581  (19022522)
    467101.85   3761155.68        0.05673  (22090605)                467121.85
3761155.68        0.05229  (22090605)
    467141.85   3761155.68        0.05058  (21121401)                467161.85
3761155.68        0.04713  (21121401)
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*** AERMOD - VERSION 24142 *** *** Massachusetts Avenue *** 02/05/25
*** AERMET - VERSION 22112 *** *** Period Average DPM Project Operations *** 10:37:26
PAGE 54
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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                          *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES
FOR SOURCE GROUP:  ALL      ***
                             INCLUDING SOURCE(S):     A0000023    , A0000024    ,
A0000025    , A0000026    , A0000027    ,
             A0000028    , A0000029    , A0000030    , A0000031    , A0000032    ,
A0000033    , A0000034    , A0000035    ,
             A0000036    , A0000037    , A0000038    , EMGEN       , FIREPUMP    ,
A0000016    , A0000017    , A0000018    ,
             A0000019    , A0000020    , A0000021    , A0000022    , ID11        ,
ID12        , ID13        ,  . . .      ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

  X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)  Y-
COORD (M)        CONC     (YYMMDDHH)
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467181.85	3761155.68	0.04050	(23090104)	467201.85	3761155.68
0.04130	(19011708)				
467221.85	3761155.68	0.04223	(21122805)	467241.85	3761155.68
0.04246	(21012422)				
467261.85	3761155.68	0.04761	(23070206)	467281.85	3761155.68
0.05374	(23070206)				
467301.85	3761155.68	0.05682	(23070206)	467321.85	3761155.68
0.06011	(22080106)				
467341.85	3761155.68	0.06061	(22080106)	467361.85	3761155.68
0.06329	(21052606)				
467381.85	3761155.68	0.06719	(21052606)	466821.85	3761175.68
0.06762	(19081405)				
466841.85	3761175.68	0.06626	(19081405)	466861.85	3761175.68
0.06625	(19102624)				
466881.85	3761175.68	0.06405	(19102624)	466901.85	3761175.68
0.06319	(23083102)				
466921.85	3761175.68	0.06763	(22080604)	466941.85	3761175.68
0.06597	(23102022)				
466961.85	3761175.68	0.06352	(23102022)	466981.85	3761175.68
0.05947	(23102405)				
467001.85	3761175.68	0.05517	(22050606)	467021.85	3761175.68
0.05573	(22092902)				
467041.85	3761175.68	0.05565	(22092902)	467061.85	3761175.68
0.05346	(19052106)				
467081.85	3761175.68	0.05410	(19022522)	467101.85	3761175.68
0.05282	(22090605)				
467121.85	3761175.68	0.04870	(23010419)	467141.85	3761175.68
0.04867	(21121401)				
467161.85	3761175.68	0.04576	(21121401)	467181.85	3761175.68
0.03949	(23090104)				
467201.85	3761175.68	0.03926	(19011708)	467221.85	3761175.68
0.03910	(21122805)				
467241.85	3761175.68	0.04059	(21122805)	467261.85	3761175.68
0.04255	(23070206)				
467281.85	3761175.68	0.04893	(23070206)	467301.85	3761175.68
0.05320	(23070206)				
467321.85	3761175.68	0.05550	(22080106)	467341.85	3761175.68
0.05798	(22080106)				
467361.85	3761175.68	0.05765	(22080106)	467381.85	3761175.68
0.06049	(21052606)				
466771.85	3760235.68	0.06028	(23010905)	466821.85	3760235.68
0.06309	(21021220)				
466871.85	3760235.68	0.06520	(23101920)	466921.85	3760235.68
0.06657	(20031920)				
466971.85	3760235.68	0.06700	(23090502)	467021.85	3760235.68
0.06896	(23102307)				
467071.85	3760235.68	0.07275	(21090902)	467121.85	3760235.68
0.07362	(20081424)				
467171.85	3760235.68	0.07143	(21062704)	467221.85	3760235.68
0.06588	(20081701)				
467271.85	3760235.68	0.06456	(20101005)	467321.85	3760235.68
0.06131	(22081505)				
467371.85	3760235.68	0.05868	(23042803)	467421.85	3760235.68
0.05763	(20081503)				
467471.85	3760235.68	0.05327	(19082122)	467521.85	

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3760235.68        0.05010  (22100802)
    467571.85   3760235.68        0.04163  (19092302)                467621.85
3760235.68        0.03856  (20082602)
    467671.85   3760235.68        0.03500  (20101724)                466771.85
3760285.68        0.06843  (20081406)
    466821.85   3760285.68        0.07223  (19062903)                466871.85
3760285.68        0.07283  (20102307)
    466921.85   3760285.68        0.07709  (20082704)                466971.85
3760285.68        0.07595  (22062204)
    467021.85   3760285.68        0.07696  (22080802)                467071.85
3760285.68        0.08166  (20071902)
    467121.85   3760285.68        0.08211  (20081424)                467171.85
3760285.68        0.07895  (21062704)
    467221.85   3760285.68        0.07231  (20010919)                467271.85
3760285.68        0.07101  (20091019)
    467321.85   3760285.68        0.06827  (19071502)                467371.85
3760285.68        0.06665  (19091724)
    467421.85   3760285.68        0.06389  (19082122)                467471.85
3760285.68        0.06047  (23071204)
    467521.85   3760285.68        0.05224  (22100802)                467571.85
3760285.68        0.04689  (20082602)
    467621.85   3760285.68        0.04247  (20101724)                467671.85
3760285.68        0.03793  (19082402)
    466771.85   3760335.68        0.07566  (20090501)                466821.85
3760335.68        0.07966  (19052503)
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                          *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES
FOR SOURCE GROUP:  ALL      ***
                             INCLUDING SOURCE(S):     A0000023    , A0000024    ,
A0000025    , A0000026    , A0000027    ,
             A0000028    , A0000029    , A0000030    , A0000031    , A0000032    ,
A0000033    , A0000034    , A0000035    ,
             A0000036    , A0000037    , A0000038    , EMGEN       , FIREPUMP    ,
A0000016    , A0000017    , A0000018    ,
             A0000019    , A0000020    , A0000021    , A0000022    , ID11        ,
ID12        , ID13        ,  . . .      ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

  X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)  Y-
COORD (M)        CONC     (YYMMDDHH)
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466871.85 3760335.68 0.08310 (22072104) 466921.85
3760335.68 0.08441 (20082704)
466971.85 3760335.68 0.08715 (19042323) 467021.85
3760335.68 0.08671 (22081024)
467071.85 3760335.68 0.09081 (20071902) 467121.85
3760335.68 0.09068 (20081424)
467171.85 3760335.68 0.08608 (21062704) 467221.85
3760335.68 0.08110 (19091522)
467271.85 3760335.68 0.07897 (20091019) 467321.85
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467371.85 3760335.68 0.07492 (20081503) 467421.85
3760335.68 0.07125 (23071204)
467471.85 3760335.68 0.06454 (22100802) 467521.85
3760335.68 0.05615 (20082602)
467571.85 3760335.68 0.05098 (20101724) 467621.85
3760335.68 0.04604 (19082402)
467671.85 3760335.68 0.03966 (23072801) 466771.85
3760385.68 0.08020 (20111805)
466821.85 3760385.68 0.08998 (20081406) 466871.85
3760385.68 0.09345 (20070623)
466921.85 3760385.68 0.09248 (21032605) 466971.85
3760385.68 0.09562 (19042323)
467021.85 3760385.68 0.09565 (22081024) 467071.85
3760385.68 0.09936 (20071902)
467121.85 3760385.68 0.09889 (20081424) 467171.85
3760385.68 0.09318 (20081705)
467221.85 3760385.68 0.08957 (19091522) 467271.85
3760385.68 0.08539 (19071502)
467321.85 3760385.68 0.08384 (19091724) 467371.85
3760385.68 0.08176 (19082122)
467421.85 3760385.68 0.07761 (22100802) 467471.85
3760385.68 0.06585 (20082602)
467521.85 3760385.68 0.06063 (23082506) 467571.85
3760385.68 0.05524 (19082402)
467621.85 3760385.68 0.04767 (23072801) 467671.85
3760385.68 0.04280 (23082201)
466771.85 3760435.68 0.08185 (20110124) 466821.85
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467471.85 3760435.68 0.07135 (23082506) 467521.85
3760435.68 0.06534 (19082402)
467571.85 3760435.68 0.05657 (23072801) 467621.85
3760435.68 0.05140 (23082201)
467671.85 3760435.68 0.04748 (20090422) 466771.85

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3760485.68        0.08869  (23083106)
    466821.85   3760485.68        0.09441  (20061304)                466871.85
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    466921.85   3760485.68        0.11674  (20070623)                466971.85
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    467021.85   3760485.68        0.11477  (19042323)                467071.85
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    467121.85   3760485.68        0.11490  (20081424)                467171.85
3760485.68        0.10858  (19072501)
    467221.85   3760485.68        0.10370  (20091019)                467271.85
3760485.68        0.10096  (23042803)
    467321.85   3760485.68        0.10114  (21061003)                467371.85
3760485.68        0.09225  (22100802)
    467421.85   3760485.68        0.08222  (23082506)                467471.85
3760485.68        0.07612  (19082402)
    467521.85   3760485.68        0.06623  (22100801)                467571.85
3760485.68        0.06062  (23082201)
    467621.85   3760485.68        0.05598  (20090422)                467671.85
3760485.68        0.04799  (19091123)
    466771.85   3760535.68        0.09170  (23072505)                467421.85
3760535.68        0.08691  (19082402)
    467471.85   3760535.68        0.07647  (23082201)                467521.85
3760535.68        0.07130  (20090422)
    467571.85   3760535.68        0.06435  (20090422)                467621.85
3760535.68        0.05725  (19091123)
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                         *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES
FOR SOURCE GROUP:  ALL      ***
                            INCLUDING SOURCE(S):     A0000023    , A0000024    ,
A0000025    , A0000026    , A0000027    ,
             A0000028    , A0000029    , A0000030    , A0000031    , A0000032    ,
A0000033    , A0000034    , A0000035    ,
             A0000036    , A0000037    , A0000038    , EMGEN       , FIREPUMP    ,
A0000016    , A0000017    , A0000018    ,
             A0000019    , A0000020    , A0000021    , A0000022    , ID11        ,
ID12        , ID13        ,  . . .      ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

  X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)  Y-
COORD (M)        CONC     (YYMMDDHH)
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467671.85	3760535.68	0.05216	(22082506)	466771.85	3760585.68
0.09536	(21091124)				
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0.08167	(20090422)				
467521.85	3760585.68	0.07412	(19091123)	467571.85	3760585.68
0.06742	(22082506)				
467621.85	3760585.68	0.06006	(19081424)	467671.85	3760585.68
0.05387	(22070904)				
466771.85	3760635.68	0.09849	(20081306)	467421.85	3760635.68
0.09076	(20052624)				
467471.85	3760635.68	0.08493	(19091123)	467521.85	3760635.68
0.07527	(19081424)				
467571.85	3760635.68	0.06823	(22070904)	467621.85	3760635.68
0.05694	(22070904)				
467671.85	3760635.68	0.05109	(19083001)	466771.85	3760685.68
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467421.85	3760685.68	0.09686	(21100901)	467471.85	3760685.68
0.08371	(22070904)				
467521.85	3760685.68	0.07156	(22070904)	467571.85	3760685.68
0.06524	(19062902)				
467621.85	3760685.68	0.06024	(19061021)	467671.85	3760685.68
0.05662	(19061021)				
466771.85	3760735.68	0.09417	(21082601)	467421.85	3760735.68
0.08939	(21090304)				
467471.85	3760735.68	0.08646	(19061021)	467521.85	3760735.68
0.08167	(21080224)				
467571.85	3760735.68	0.07739	(19061021)	467621.85	3760735.68
0.07113	(19061021)				
467671.85	3760735.68	0.06448	(21080224)	466771.85	3760785.68
0.09254	(20092905)				
467421.85	3760785.68	0.07920	(19061021)	467471.85	3760785.68
0.07176	(19061021)				
467521.85	3760785.68	0.06321	(21080224)	467571.85	3760785.68
0.05465	(21080224)				
467621.85	3760785.68	0.04661	(21073123)	467671.85	3760785.68
0.04289	(21073123)				
466771.85	3760835.68	0.08189	(21082602)	467421.85	3760835.68
0.06305	(23090923)				
467471.85	3760835.68	0.05923	(23090923)	467521.85	3760835.68
0.05529	(23090923)				
467571.85	3760835.68	0.05078	(23090923)	467621.85	3760835.68
0.04626	(22071624)				
467671.85	3760835.68	0.04234	(22071624)	466771.85	3760885.68
0.07794	(23072506)				
467421.85	3760885.68	0.06646	(22120108)	467471.85	3760885.68
0.06112	(22120108)				
467521.85	3760885.68	0.05591	(22120108)	467571.85	3760885.68
0.05077	(22120108)				
467621.85	3760885.68	0.04601	(22120108)	467671.85	3760885.68
0.04179	(22120108)				
466771.85	3760935.68	0.07751	(20082206)	467421.85	3760935.68
0.07652	(19061104)				
467471.85	3760935.68	0.06763	(19061104)	467521.85	3760935.68
0.06075	(19050606)				
467571.85	3760935.68	0.05511	(23040823)	467621.85	

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    467671.85   3760935.68        0.04444  (23040823)                466771.85
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3760985.68        0.07440  (23072806)
    467521.85   3760985.68        0.06791  (23072806)                467571.85
3760985.68        0.06168  (19061104)
    467621.85   3760985.68        0.05443  (19061104)                467671.85
3760985.68        0.04729  (19061104)
    466771.85   3761035.68        0.08621  (22071906)                467421.85
3761035.68        0.08068  (19080901)
    467471.85   3761035.68        0.07480  (19010708)                467521.85
3761035.68        0.06683  (20082505)
    467571.85   3761035.68        0.06149  (23072806)                467621.85
3761035.68        0.05635  (23072806)
    467671.85   3761035.68        0.05128  (23072806)                466771.85
3761085.68        0.08125  (22081105)
    467421.85   3761085.68        0.07979  (22091503)                467471.85
3761085.68        0.07430  (23052806)
    467521.85   3761085.68        0.06710  (19010708)                467571.85
3761085.68        0.06314  (19010708)
    467621.85   3761085.68        0.05419  (20092706)                467671.85
3761085.68        0.04921  (20082505)
    466771.85   3761135.68        0.07600  (20091501)                467421.85
3761135.68        0.06698  (20071306)
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                          *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES
FOR SOURCE GROUP:  ALL      ***
                             INCLUDING SOURCE(S):     A0000023    , A0000024    ,
A0000025    , A0000026    , A0000027    ,
             A0000028    , A0000029    , A0000030    , A0000031    , A0000032    ,
A0000033    , A0000034    , A0000035    ,
             A0000036    , A0000037    , A0000038    , EMGEN       , FIREPUMP    ,
A0000016    , A0000017    , A0000018    ,
             A0000019    , A0000020    , A0000021    , A0000022    , ID11        ,
ID12        , ID13        ,  . . .      ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

  X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)  Y-
COORD (M)        CONC     (YYMMDDHH)
```

```
    467471.85   3761135.68        0.06763  (19100904)                 467521.85
3761135.68        0.06731  (22071606)
    467571.85   3761135.68        0.06156  (23052806)                 467621.85
3761135.68        0.05550  (19010708)
    467671.85   3761135.68        0.05127  (19010708)                 466771.85
3761185.68        0.06373  (20090702)
    466821.85   3761185.68        0.06554  (19081405)                 466871.85
3761185.68        0.06331  (19102624)
    466921.85   3761185.68        0.06690  (23102022)                 466971.85
3761185.68        0.05892  (23102022)
    467021.85   3761185.68        0.05496  (22092902)                 467071.85
3761185.68        0.05289  (22122219)
    467121.85   3761185.68        0.04822  (23010419)                 467171.85
3761185.68        0.04253  (21121401)
    467221.85   3761185.68        0.03763  (19122605)                 467271.85
3761185.68        0.04312  (23070206)
    467321.85   3761185.68        0.05416  (23070206)                 467371.85
3761185.68        0.05640  (22080106)
    467421.85   3761185.68        0.06352  (21052606)                 467471.85
3761185.68        0.06025  (20071306)
    467521.85   3761185.68        0.05803  (19100904)                 467571.85
3761185.68        0.05638  (22091503)
    467621.85   3761185.68        0.05093  (22071606)                 467671.85
3761185.68        0.04770  (23052806)
    466771.85   3761235.68        0.05964  (19081405)                 466821.85
3761235.68        0.05811  (19081405)
    466871.85   3761235.68        0.05846  (23083102)                 466921.85
3761235.68        0.05663  (23102022)
    466971.85   3761235.68        0.04924  (23072624)                 467021.85
3761235.68        0.04882  (22092902)
    467071.85   3761235.68        0.04892  (22090605)                 467121.85
3761235.68        0.04566  (23010419)
    467171.85   3761235.68        0.04147  (21121401)                 467221.85
3761235.68        0.03496  (19011708)
    467271.85   3761235.68        0.03872  (21012422)                 467321.85
3761235.68        0.04579  (23070206)
    467371.85   3761235.68        0.05272  (22080106)                 467421.85
3761235.68        0.05339  (22080106)
    467471.85   3761235.68        0.05674  (21052606)                 467521.85
3761235.68        0.04871  (22091403)
    467571.85   3761235.68        0.04555  (20071306)                 467621.85
3761235.68        0.04636  (22072006)
    467671.85   3761235.68        0.04390  (22072006)                 466771.85
3761285.68        0.05049  (19081405)
    466821.85   3761285.68        0.05143  (23083102)                 466871.85
3761285.68        0.05177  (23102022)
    466921.85   3761285.68        0.04526  (23102022)                 466971.85
3761285.68        0.04549  (22092902)
    467021.85   3761285.68        0.04378  (19052106)                 467071.85
3761285.68        0.04312  (22090605)
    467121.85   3761285.68        0.04097  (23010419)                 467171.85
3761285.68        0.03886  (21121401)
    467221.85   3761285.68        0.03304  (21122017)                 467271.85
3761285.68        0.03707  (21122805)
    467321.85   3761285.68        0.03746  (21012422)                 467371.85
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3761285.68        0.04469  (23070206)
    467421.85   3761285.68        0.04758  (22080106)                467471.85
3761285.68        0.04482  (21052606)
    467521.85   3761285.68        0.04550  (21052606)                467571.85
3761285.68        0.04194  (20071201)
    467621.85   3761285.68        0.03886  (20091521)                467671.85
3761285.68        0.03952  (22072006)
    467721.85   3760235.68        0.03105  (21060504)                467821.85
3760235.68        0.02450  (23072801)
    467921.85   3760235.68        0.02239  (20090422)                468021.85
3760235.68        0.01920  (20090422)
    468121.85   3760235.68        0.01788  (22092102)                468221.85
3760235.68        0.01747  (19122918)
    467721.85   3760335.68        0.03517  (21070605)                467821.85
3760335.68        0.04652  (20052624)
    467921.85   3760335.68        0.03609  (19091123)                468021.85
3760335.68        0.03350  (22071604)
    468121.85   3760335.68        0.03150  (19081424)                468221.85
3760335.68        0.03069  (23071701)
    467721.85   3760435.68        0.04141  (20090422)                467821.85
3760435.68        0.04602  (21100901)
    467921.85   3760435.68        0.03010  (19122918)                468021.85
3760435.68        0.02374  (20021321)
    468121.85   3760435.68        0.01915  (22011623)                468221.85
3760435.68        0.01645  (23122118)
```



```
                          *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES
FOR SOURCE GROUP:  ALL      ***
                             INCLUDING SOURCE(S):     A0000023    , A0000024    ,
A0000025    , A0000026    , A0000027    ,
             A0000028    , A0000029    , A0000030    , A0000031    , A0000032    ,
A0000033    , A0000034    , A0000035    ,
             A0000036    , A0000037    , A0000038    , EMGEN       , FIREPUMP    ,
A0000016    , A0000017    , A0000018    ,
             A0000019    , A0000020    , A0000021    , A0000022    , ID11        ,
ID12        , ID13        ,  . . .      ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

  X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)  Y-
COORD (M)        CONC     (YYMMDDHH)
```

467721.85	3760535.68	0.04669	(19081424)	467821.85	3760535.68
0.04683	(23071701)				
467921.85	3760535.68	0.03137	(19082924)	468021.85	3760535.68
0.02519	(22010806)				
468121.85	3760535.68	0.02087	(21120718)	468221.85	3760535.68
0.01751	(19120517)				
467721.85	3760635.68	0.04725	(20081924)	467821.85	3760635.68
0.05103	(19061021)				
467921.85	3760635.68	0.03402	(23010919)	468021.85	3760635.68
0.02623	(23010919)				
468121.85	3760635.68	0.01998	(23010919)	468221.85	3760635.68
0.01678	(21011017)				
467721.85	3760735.68	0.05798	(21080224)	467821.85	3760735.68
0.04394	(21073123)				
467921.85	3760735.68	0.02899	(19120806)	468021.85	3760735.68
0.02298	(19011818)				
468121.85	3760735.68	0.01910	(19011818)	468221.85	3760735.68
0.01617	(19011818)				
467721.85	3760835.68	0.03833	(22071624)	467821.85	3760835.68
0.03076	(22071624)				
467921.85	3760835.68	0.02460	(22071624)	468021.85	3760835.68
0.02104	(22120108)				
468121.85	3760835.68	0.01899	(22120108)	468221.85	3760835.68
0.01726	(22120108)				
467721.85	3760935.68	0.03997	(23040823)	467821.85	3760935.68
0.03299	(19120622)				
467921.85	3760935.68	0.02788	(22121518)	468021.85	3760935.68
0.02388	(22121518)				
468121.85	3760935.68	0.02059	(22120208)	468221.85	3760935.68
0.01841	(22120208)				
467721.85	3761035.68	0.04492	(23072806)	467821.85	3761035.68
0.03587	(20092001)				
467921.85	3761035.68	0.02808	(22011808)	468021.85	3761035.68
0.02446	(22011808)				
468121.85	3761035.68	0.02120	(22011808)	468221.85	3761035.68
0.01846	(22011808)				
467721.85	3761135.68	0.04376	(19010708)	467821.85	3761135.68
0.03521	(22080903)				
467921.85	3761135.68	0.02984	(19011620)	468021.85	3761135.68
0.02521	(23010823)				
468121.85	3761135.68	0.02187	(23010823)	468221.85	3761135.68
0.01835	(23010823)				
467721.85	3761235.68	0.04120	(23052806)	467821.85	3761235.68
0.03434	(19010708)				
467921.85	3761235.68	0.02844	(20010720)	468021.85	3761235.68
0.02388	(20121321)				
468121.85	3761235.68	0.02089	(21020722)	468221.85	3761235.68
0.01795	(21122304)				
467299.51	3761159.70	0.05591	(23070206)	467829.63	3760661.47
0.04907	(19061021)				
467826.42	3760642.38	0.05005	(19061021)	467826.75	3760623.29
0.04839	(19061021)				
467867.23	3760685.18	0.04097	(23010919)	467870.69	3760660.39
0.04060	(23010919)				
467873.57	3760638.77	0.04010	(21080224)	467875.48	

```
3760611.64        0.03823  (20081924)
    467890.19   3760591.75        0.03664  (20081924)                467902.58
3760574.16        0.03433  (20081924)
    467852.27   3760310.02        0.03586  (20090422)                467887.79
3760311.22        0.03469  (20090422)
    467919.71   3760310.42        0.03163  (22123022)                467957.21
3760309.62        0.02956  (19020322)
    468003.50   3760309.62        0.02885  (21040322)                468051.38
3760311.62        0.02873  (21040322)
    468086.49   3760312.82        0.02850  (19122918)                468125.99
3760311.22        0.02730  (19122918)
    468154.32   3760312.42        0.02674  (19122918)                467934.74
3760865.52        0.02498  (22120108)
    467954.70   3760841.58        0.02306  (22120108)                467977.04
3760812.05        0.02328  (20020902)
    467995.00   3760788.10        0.02320  (20020902)                468017.75
3760766.55        0.02261  (19011818)
    468178.09   3760581.76        0.01892  (19120517)                468258.14
3760499.02        0.01626  (21120718)
    467788.67   3760754.43        0.03744  (21073123)                467866.38
3760800.22        0.02948  (19090602)
    467880.77   3760783.56        0.02929  (19090602)                467903.93
3760761.63        0.02861  (23090923)
```



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                                    *** THE SUMMARY OF MAXIMUM PERIOD ( 43824 HRS)
RESULTS ***


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


NETWORK
```

GROUP ID AVERAGE CONC RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID

ALL 1ST HIGHEST VALUE IS 0.03103 AT (467201.85, 3760835.68, 274.00, 592.00, 0.00) DC
2ND HIGHEST VALUE IS 0.03065 AT (467201.85, 3760855.68, 273.72, 592.00, 0.00) DC
3RD HIGHEST VALUE IS 0.02747 AT (467201.85, 3760875.68, 273.11, 592.00, 0.00) DC
4TH HIGHEST VALUE IS 0.02550 AT (467221.85, 3760855.68, 273.92, 592.00, 0.00) DC
5TH HIGHEST VALUE IS 0.02496 AT (467201.85, 3760815.68, 274.00, 592.00, 0.00) DC
6TH HIGHEST VALUE IS 0.02468 AT (467221.85, 3760835.68, 274.00, 592.00, 0.00) DC
7TH HIGHEST VALUE IS 0.02391 AT (467201.85, 3760935.68, 273.00, 592.00, 0.00) DC
8TH HIGHEST VALUE IS 0.02383 AT (467221.85, 3760875.68, 273.75, 592.00, 0.00) DC

9TH HIGHEST VALUE IS 0.02317 AT (467201.85, 3760955.68, 272.41, 592.00, 0.00) DC
10TH HIGHEST VALUE IS 0.02268 AT (467201.85, 3760895.68, 273.03, 592.00, 0.00) DC

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

*** AERMOD - VERSION 24142 *** *** Massachusetts Avenue *** 02/05/25
*** AERMET - VERSION 22112 *** *** Period Average DPM Project Operations *** 10:37:26
PAGE 60
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

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

DATE NETWORK

GROUP ID AVERAGE CONC (YYMMDDHH) RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID

ALL HIGH 1ST HIGH VALUE IS 0.28371 ON 23061711: AT (467201.85, 3760955.68, 272.41, 592.00, 0.00) DC

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

*** AERMOD - VERSION 24142 *** *** Massachusetts Avenue *** 02/05/25
*** AERMET - VERSION 22112 *** *** Period Average DPM Project Operations *** 10:37:26
PAGE 61
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

A Total of 0 Fatal Error Message(s)
A Total of 22 Warning Message(s)
A Total of 1829 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 852 Calm Hours Identified

A Total of 977 Missing Hours Identified (2.23 Percent)

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


********   WARNING MESSAGES   ********
```

SO W320	282	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	283	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	284	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	285	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	286	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	287	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	288	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	289	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	290	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	291	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	292	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	293	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	294	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	295	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	296	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	297	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	298	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	299	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	300	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	301	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
ME W186	1130	MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used	0.50
ME W187	1130	MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET	

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************************************
*** AERMOD Finishes Successfully ***
************************************
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Source: EMFAC2021 (v1.0.2) Emission Rates
Region Type: Sub-Area
Region: Riverside (SC)
Calendar Year: 2027
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, g/mile for RUNEX, PMBW and PMTW, mph for Speed, kWh/mile f

Region	Calendar Y	Vehicle Cat	Model Yea	Speed	Fuel	Total VMT	CVMT	EVMT	
Riverside (S	2027	HHDT	Aggregate	5	Diesel	107.7174	107.7174		0
Riverside (S	2027	LHDT1	Aggregate	5	Diesel	67.2253	67.2253		0
Riverside (S	2027	LHDT2	Aggregate	5	Diesel	30.8389	30.8389		0
Riverside (S	2027	MHDT	Aggregate	5	Diesel	315.7729	315.7729		0
Riverside (S	2027	HHDT	Aggregate	25	Diesel	22311.83	22311.83		0
Riverside (S	2027	LHDT1	Aggregate	25	Diesel	12970.38	12970.38		0
Riverside (S	2027	LHDT2	Aggregate	25	Diesel	5950.025	5950.025		0
Riverside (S	2027	MHDT	Aggregate	25	Diesel	17616.67	17616.67		0

Idking Emissions

Vehicle	Emisisons (g/hr)
LHTT1	0.787613
LHDT2	0.79333
MHDT	0.038346
HHDT	0.01216

APPENDIX C.1 – ESTIMATION OF PROJECT CONSTRUCTION DPM EMISSIONS

MassachusettsAvenue Warehouse Project - Construction DPM Emissions

No Mitigation

Construction DPM Emissions
Data Source: CalEEMod Project Output

Work Schedule 8 hrs/day 5 days per week

Onsite DPM Construction Emissions

Size of the Construction Area: 45459 m2

Construction Schedule

Activity	Start Date	End Date	DPM Emissions lb/day	Work Days	DPM Emissions (lbs)	DPM Emissions (tons)
Demolition	1/1/2026	1/29/2026	**0.84**	**20**	16.800	0.0084
Site Preparation	1/30/2026	2/13/2026	**1.77**	10	17.700	0.0089
Grading	2/14/2026	3/28/2026	**1.38**	30	41.400	0.0207
Building Construction - 2026	3/29/2026	12/31/2026	**0.41**	200	82.000	0.0410
Paving	1/4/2027	1/29/2027	**0.3**	20	6.000	0.0030
Architectural Coating	2/1/2027	3/19/2027	**0.03**	35	1.050	0.0005
			4.73	315	164.950	0.0825

Year	Annual DPM Emissions (tons)	# Construction Work Days	Average Daily DPM Emissions (lb/day)	Average Hourly DPM Emissions (lb/hr)	Average Hourly DPM Emissions (g/sec)	Average Hourly DPM Area Emission (g/m2-sec)
2026 (1/1/2026 to 12/31/2026)	0.0790	260	0.6073	0.0759	0.0096	2.106E-07
2027 (1/4/2027 to 3/19/2027)	0.0035	55	0.1282	0.0160	0.0020	4.445E-08
	0.0825	315			**Weighted Average**	**1.816E-07**
					1/1/2026 to 3/19/2027	

Offsite DPM Construction Emissions

Activity	Start Date	End Date	Work Days	Offsite DPM Haul Truck (lb/day)	Offsite DPM Haul Truck (pounds)	Offsite DPM Haul Truck tons	Offsite DPM Vehdor Truck (lb/day)	Offsite DPM Vendor Truck (pounds)	Offsite DPM Vendor Trucks (tons)	Offsite DPM Worker Vehicles (lb/day)	Offsite DPM Worker Vehicles (pounds)	Offsite DPM Worker Vehicles (tons)	Total (lbs/day)
Demolition	1/1/2026	1/29/2026	20	0.410	8.200	0.004	**0.000**	0.000	0.000	**0.000**	0.000	0.000	0.410
Site Preparation	1/30/2026	2/13/2026	10	0.023	0.233	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000	0.023
Grading	2/14/2026	3/28/2026	30	0.050	1.500	0.001	**0.000**	0.000	0.000	0.000	0.000	0.000	0.050
Building Construction - 2026	3/29/2026	12/31/2026	200	0.000	0.000	0.000	**0.010**	2.000	0.001	0.000	0.000	0.000	0.010
Paving	1/4/2027	1/29/2027	20	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000	0.000
Architectural Coating	2/1/2027	3/19/2027	35	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000	0.000
			315	0.073	1.733	0.001	0.010	2.000	0.001	0.000	0.000	0.000	0.493

2025	0.493334
2026	0

Offsite DPM Emissions (at the CalEEMOd Default Trip Distances)

Year	# of Construction Days	Haul Trucks AnnualEmissions (tons/year)	Haul Trucks Average Daily (lb/day)	Haul Trucks Average Hourly (lb/hr)	Haul Trucks Average Hourly (g/sec)	Vendor Trucks AnnualEmissions (tons/year)	Vendor Trucks Average Daily (lb/day)	Vendor Trucks Average Hourly (lb/hr)	Vendor Trucks Average Hourly (g/sec)	Worker Vehicles AnnualEmissions (tons/year)	Worker Vehicles Average Daily (lb/day)	Worker Vehicles Average Hourly (lb/hr)	Worker Vehicles Average Hourly (g/sec)
2026 (1/1/2026 to 12/31/2026)	260	0.004966669	0.0382	0.0048	0.000602	0.0010	0.0077	0.0010	0.0001	0.0000	0.0000	0.0000	0.0000
2027 (1/4/2027 to 3/19/2027)	55	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

CalEEMod Construction Vehicle Trip Length

Vehicle	Distance (miles)	site prep only
Haul Truck	20	56
Vendor Truck	10.2	
Worker	18.5	

Emission Rate		
Haul Truck - 2026	3.01131E-05	grams/sec/mi
Haul Truck - 2027	0	grams/sec/mi
Vendor Truck - 2026	1.18883E-05	grams/sec/mile
Vendor Truck - 2027	0	grams/sec/mile

Assumed Construction Trip Distances in AERMOD

	Distance (mi)	%Distribution
Route 1: Project Center>Loc12>South and East to I215	1.049	75%
Route 2: Project Center>Loc8 North and East to SR91	0.379	25%

Offsite Scaled DPM Emissions to AERMOD Trip Distance

Year	Haul Trucks (g/sec)	Vendor Trucks (g/sec)	Worker Vehicles (g/sec)	Total (g/sec)	Total (lb/hr)	Total (lb/day)
2026 (1/1/2026 to 12/31/2026)						
2026 (Scaled for Distance and Distribution)						
Route 1	2.370E-05	9.355E-06	0.000E+00	3.305E-05	2.621E-04	2.097E-03
Route 2	2.853E-06	1.126E-06	0.000E+00	3.979E-06	3.155E-05	2.524E-04
2027 (1/4/2027 to 3/19/2027)						
2027 (Scaled for Distance and Distribution)						
Route 1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Route 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Weighted Average Emissions (2/3/2025 to 2/19/2026		
Route 1	**2.728E-05**	**g/sec**
Route 2	**3.284E-06**	**g/sec**

Emission Check

Total Emissions	CalEEMod Daily Emissions (lbs/day) Onsite	Offsite	Total
Demolition	0.840	0.410	1.250
Site Preparation	1.770	0.023	1.793
Grading	1.380	0.050	1.430
Building Construction - 2026	0.410	0.010	0.420
Paving	0.300	0.000	0.300
Architectural Coating	0.030	0.000	0.030
2026-Max			1.793
2027-Max			0.300

APPENDIX C.2 – ESTIMATION OF PROJECT OPERATIONAL DPM EMISSIONS

Massachusetts Avenue Warehouse Project **2027** Revised 2/19/2025
Operational DPM Emissions **DPM** Emissions

1) Vehicle Emissions

(a) Truck and Auto Traffic	EMFAC2021	
(b) Location	Riverside County-SCAQMD	
(c) Truck Mix		
Project Trip Generation Memo		
Assumes all heavy duty trucks are diesel fueled as a conservative assumption		
(d) Vehicle Travel Speed		
Onsite Travel	5	mph
Offsite Travel	25	mph
(e) Truck Idle time:	15	minutes (truck idling) for LHDT, MHDT, and HHDT diesel trucks)
(f) Emission factors for	DPM	emissions
(g) Emissions calculated for	2027	

2) Refrigerated Land Uses

Percentage of Buildings used for Refrigeration (applies to DSL LHDT, MHDT and HHDT)

Building 1	20%	ASSUMPTION based on the % of building space devoted to cold storage
Building 2	20%	ASSUMPTION based on the % of building space devoted to cold storage
TRU Onsite Operating Time	**4**	hours - ASSUMPTION

3) Traffic Allocation

1) Onsite travel emssions generated from vehicles traveling to building loading docks
2) Onsite idling emissions generated only for heavy duty diesel trucks
3) Offsite travel trips allocated in accordance with the Traffic Impact Memorandum

4) Trip Allocation	**Building Size**	**%Total**
Builsing 1 - Total Building Size	**99900**	
Building 1 - Nonrefrigerated	79,920	80%
Building 1 - Refrigerated	19,980	20%
Total	99,900	100%
Building 2 - Nonrefrigerated	79,920	80%
Building 2 - Refrigerated	19,980	20%
Total	99,900	100%
Total - NonRefrigeration	159,840	80%
Total-Refrigeration	39,960	20%
Total - All	199,800	100%

4) Emission Source Configuration

1) Vehicle traffic represented by a line source
2) Onsite idling represented as a series of point sources to accommodate the effects of building downwash

5) Venicle Trip Lengths

Onsite Travel Links

	Travel Distance (m)	**Trip Distance (mi)**	**% Truck Travel**
West Entrance at Loc 10 to Building 1	113	0.070	17.5%
West Entrance at Loc 10 to Building 2	133	0.083	17.5%
Northeast Entrance at Loc 8 to Building 1	222	0.138	12.5%
Northeast Entrance at Loc 8 to Building 2	243	0.151	12.5%
Southeast Entrance at Loc 8 to Building 1	237	0.147	20.0%
Southeast Entrance at Loc 8 to Building 1	217	0.135	20.0%

Off site Travel Links

	Travel Distance (m)	**Travel Distance (mi)**	**% of Truck Travel**
Offsite1: Project>South on Kansas St>East on Mass Ave> South on Chicago Ave>East on 3rd St to I215	1810	1.124	75%
Offsite2:Project>Roberta St>Spruce St>SR91	526	0.327	25%

6) Other Input Parameters

Facility Operations for Warehouses (hr/day):	24
Annual Operations (days/year)	365

Land Use: Area	**Percentage of Trips (%)**	**Trip Rate (trips/TSF)**
Land Use 1: Unrefrigerated Warehousing (159,840 SF)	80	4.87
Land Use 2: Refrigerated Warehousing (39,960 SF)	20	4.87
Land Use 1: Unrefrigerated Warehousing (159,840 SF)		
Fleet Mix	**Percentage of Fleet (%)**	**Vehicle Trips per Day**
Passenger Cars (LDA, LDT1, LDT2, MDV)	64.9	505
2-axle Trucks (LHDT1, LHDT2)	12.18	95
3-axle Trucks (MHDT)	3.86	30
4-axle Trucks (HHDT)	19.09	149
Land Use 1 Total	**100**	**779**
Land Use 2: Refrigerated Warehousing (39,960 SF)		
Fleet Mix	**Percentage of Fleet (%)**	**Vehicle Trips per Day**
Passenger Cars (LDA, LDT1, LDT2, MDV)	64.9	126
2-axle Trucks (LHDT1, LHDT2)	12.18	24
3-axle Trucks (MHDT)	3.86	8
4-axle Trucks (HHDT)	19.09	37
Land Use 2 Total	**100**	**195**
	Total Project Trips	**974**

Massachusetts Avenue Warehouse Project **2027**

(Assumes 20% refrigerated and 80% non-refrigerated, based on the realtive size of buildings)

Building	Building Size Total (sq-ft)	% Total
Building 1 - Nonrefrigerated	79,920	80%
Building 1 - Refrigerated	19,980	20%
Total	99,900	100%
Building 2 - Nonrefrigerated	79,920	80%
Building 2 - Refrigerated	19,980	20%
Total	99,900	100%
Total - Nonrefrigerated	159,840	80%
Total - Refrigerated	39,960	20%
Total - All	199,800	100%

Trip Generation

Trip Generation Rate 4.87 trips/TSF as per Traffic Trip Generation Memorandum

Building	trips/day (Non-PCE)
Building 1 - Nonrefrigerated	389
Building 1 - Refrigerated	97
Total	487
Building 2 - Nonrefrigerated	389
Building 2 - Refrigerated	97
Total	487

	trips/day (Non-PCE)
Total - Nonrefrigeration	778
Total- Refrigerated	195
Total - All	973

Vehicle Fleet Mix from Trip Generation Memo

	Vehicle Distribution	Daily Trips	Building 1 - Nonrefrig	Building 1 - Refrig	Building 2 Non-Refrig	Building 2 Refrig
LDA (Passenger Vehicles)	64.90%	631	253	63	253	63
LHDT (2 axle truck)	12.18%	119	47	12	47	12
MHDT(3 axle truck)	3.86%	38	15	4	15	4
HHDT (4+ axle truck)	19.09%	186	74	19	74	19
	100.0%	973	389	97	389	97

The following emission assessment focuses only on qualifying Diesel Particulate Emissions (PM10 Exhaust) from Heavy Duty Vehicles (2-axle, 3-axle, and 4-axle trucks)

Light Heavy Duty Fleet Mix

	Fleet Mix % LHDT	Daily Trips	Building 1 - Nonrefrig Daily Trips	Building 1 - Refrig Daily Trips	Building-2 NonRefrig Daily Trips	Building 2 - Refrig Daily Trips	%Diesel	Building 1 Non-refrig DSL Daily Trips	Building 1 - Refrig DSL Daily Trips	Building 1 Total DSL Daily Trips	Building 2 Non-refrig DSL Daily Trips	Building 2 - Refrig DSL Daily Trips	Building 2 Total DSL Daily Trips
LHDT1	78%	92	37	9	37	9	100.00%	37	9	46	37	9	46
LHDT2	22%	26	10	3	10	3	100.00%	10	3	13	10	3	13
Total		119	47	12	47	12	**Total**	47	12	**59**	47	12	59

Medium and Heavy Duty Truck Trips

Fleet Mix	Total Trips	Building 1 - Nonrefrig Daily Trips	Building 1 - Refrig Daily Trips	Building 2 - Nonrefrig Daily Trips	Building 2 - Refrig Daily Trips	%Diesel	Building 1 - Nonre DSL Daily Trips	Building 1 - Refrig DSL Daily Trips	Number of Daily Diesel Trips	Building 2 - Nonrefrig DSL Daily Trips	Building 2 - Refrig DSL Daily Trips	Building 2 - Total Daily Diesel Trips
MHDT	38	**15**	4	15	4	100.00%	15	4	19	15	**4**	19
HHDT	186	**74**	19	74	19	100.00%	74	19	93	74	**19**	93

Composite Fleet Mix	Number of DailyTrips DSL Build 1 Non-Refrig	Number of Daily Trips DSL Build 1 Refrig	Total Number of DSL Truck Building 1	Number of DailyTrips DSL Build 2Non-Refrig	Number of Daily Trips DSL Build 2 Refrig	Total Number of DSL Truck Building 2	Total DSL Truck Trips DSL Truck Trips
LHDT1	37	9	46	37	**9**	46	92
LHDT2	10	3	13	10	**3**	13	26
MHDT	15	4	19	15	**4**	19	38
HHDT	74	19	93	74	**19**	93	186
Total	137	34	171	137	**34**	171	342

Massachusetts Avenue Warehouse Project

Pollutant: DPM
Year: 2027

Emission Summary

Onsite Emissions	**Emissions (g/sec)**	**Emissions (lbs/day)**
W10 to Building 1	2.38E-06	4.54E-04
W10 to Building 2	2.80E-06	5.34E-04
NE8 to Building 1	3.34E-06	6.36E-04
NE8 to Building 2	3.66E-06	6.97E-04
SE12 to Building 1	5.71E-06	1.09E-03
SE12 to Building 2	5.23E-06	9.95E-04
Total	2.31E-05	4.40E-03

Onsite Emissions	Emissions (g/sec)	Emissions (lbs/day)
W10 to Building 1	2.38E-06	0.000454
W10 to Building 2	2.8E-06	0.000534
NE8 to Building 1	3.34E-06	0.000636
NE8 to Building 2	3.66E-06	0.000697
SE12 to Building 1	5.71E-06	0.001087
SE12 to Building 2	5.23E-06	0.000995
Total	2.31E-05	0.004403

Idling Emissions		**Emissions (g/sec)**	**Emissions (lbs/day)**	**Number of Idling Sources**	**Emissions per Idling Spource (g/sec)**
IB1	Building 1	1.33E-04	2.53E-02	10	1.33E-05
	Building 2	1.33E-04	2.53E-02	10	1.33E-05
	Total	2.65E-04	5.05E-02		

Idling Emissions		Emissions (g/sec)	Emissions (lbs/day)	Number of Idling Sources	Emissions per Idling Spource (g/sec)
IB1	Building 1	0.000133	0.025256	10	1.33E-05
	Building 2	0.000133	0.025256	10	1.33E-05
	Total	0.000265	0.050513		

Offsite Emissions		**Emissons (g/sec)**	**Emissions (lb/day)**
	Offsite 1	6.35E-05	1.21E-02
	Offsite 2	6.15E-06	1.17E-03
	Total	6.96E-05	1.32E-02

Offsite Emissions		Emissons (g/sec)	Emissions (lb/day)
	Offsite 1	6.35E-05	0.012078
	Offsite 2	6.15E-06	0.00117
	Total	6.96E-05	0.013248

Emergency Generator	**Emissons (g/sec)**	**Emissions (lb/day)**
	3.31E-04	6.29E-02

Emergency Generator	Emissons (g/sec)	Emissions (lb/day)
	0.000331	0.062907

FirePump	**Emissons (g/sec)**	**Emissions (lb/day)**
	8.26E-05	1.57E-02

FirePump	Emissons (g/sec)	Emissions (lb/day)
	8.26E-05	0.015727

Total Emissions		**Emissons (g/sec)**	**Emissions (lb/day)**
	Total	**7.71E-04**	**1.47E-01**

Total Emissions		Emissons (g/sec)	Emissions (lb/day)
	Total	0.000771	0.146798

Massachusetts Avenue Warehouse Project **Year: 2027**
Emissions from Onsite Delivery and TRU Travel
DPM Emissions

Truck Operations

Daily VehicleTrips			
Vehicle Class	Building 1	Building 2	Total
LHDT1	46	46	92
LHDT2	13	13	26
MHDT	19	19	38
HHDT	93	93	186
	171	171	342

Assumption: Number of TRUs = % Cold Storage x Number of DSL LHDT1+LHDT2+MHDT + HHDT

AERMOD ID	On-Site Truck Delivery Emissions	% Daily Travel	Trip Length (mi)	Operations	DSL Daily HHDT Trucks	DSL Daily MHDT Trucks	DSL Daily LHDT1 Trucks	DSL Daily LHDT2 Trucks	DSL Daily TRU	DSL Daily HHDT (g/day)	DSL Daily MHDT (g/day)	DSL Daily LHDT1 (g/day)	DSL Daily LHDT2 (g/day)	DSL Daily Total Trucks (g/day)	DSL Daily TRU (g/day)	DSL Daily Total Truck+TRU (g/day)	DSL Daily Total Truck+TRU (lb/day)	DSL Total Truck+TRU (g/sec)
W10 to Building 1	West Loc 10 Travel Emissions to Building 1	17.5%	0.070	24	33	7	16	5	12	5.45E-02	1.10E-02	1.01E-01	2.64E-02	1.93E-01	1.32E-02	2.06E-01	4.54E-04	2.38E-06
W10 to Building 2	West Loc 10 Travel Emissions to Building 2	17.5%	0.083	24	33	7	16	5	12	6.42E-02	1.30E-02	1.19E-01	3.11E-02	2.27E-01	1.56E-02	2.42E-01	5.34E-04	2.80E-06
NE8 to Building 1	Northeast Loc 8 Travel Emissions to Building 1	12.5%	0.138	24	23	5	12	3	9	7.65E-02	1.55E-02	1.41E-01	3.71E-02	2.70E-01	1.86E-02	2.89E-01	6.36E-04	3.34E-06
NE8 to Building 2	Northeast Loc 8 Travel Emissions to Building 2	12.5%	0.151	24	23	5	12	3	9	8.37E-02	1.69E-02	1.55E-01	4.06E-02	2.96E-01	2.03E-02	3.16E-01	6.97E-04	3.66E-06
SE12 to Building 1	Sosutheast Loc 12 Travel Emissions to Building 1	20.0%	0.147	24	37	8	18	5	14	1.31E-01	2.64E-02	2.41E-01	6.34E-02	4.62E-01	3.18E-02	4.94E-01	1.09E-03	5.71E-06
SE12 to Building 2	Southeast Loc 12 Travel Emissions to Building 2	20.0%	0.135	24	37	8	18	5	14	1.20E-01	2.42E-02	2.21E-01	5.80E-02	4.23E-01	2.91E-02	4.52E-01	9.95E-04	5.23E-06
	total	100.0%			186	38	92	26	68	5.29E-01	1.07E-01	9.78E-01	2.57E-01	1.87E+00	1.29E-01	2.00E+00	4.40E-03	2.31E-05

Operation Days = 365
Delivery Truck Hours (hrs/day) = 24
Delivery Truck Speed (mph) = 5

Daily Truck Emissions = Emission Factor (g/mi) * (Truck trips/day) * (miles/Truck Trip)

Daily TRU Emissions = Emission Rate (g/hr) * (TRU Trips/day /Speed (m/hr) * (miles/TRU Trip)

Diesel Truck Emission Factors (EMFAC2021)
2-Axle (LHDT1) = 0.089
2-axle (LHDT2) 0.083
3-Axle MHDT (g/mi) = 0.024
4-Axle HHD (g/mi) = 0.024
Truck emissions for trucks based on EMFAC 2021 for truck speed of 5 mph Riv (SC) 2027

TRU Emission Factor
Emission Rate (g/hr) 0.20
Load Factor (%) 0.4
TRU Emission Rate[a] (g/hr) = 0.08
TRU run time during travel (hr) = Road Length (mi)/Truck Speed (mph)

Notes:
Emission factor derived from CARB EMFAC2021 model as the fleet average for Riverside (SC) 2027
TRU emission factor from OFFROAD2021 for Riverside (SC) in 2027

Massachusetts Avenue Warehouse Project **2027**
Onsite Truck Delivery Iding and TRU Operational Emissions
DPM Emissions

Daily VehicleTrips			
Vehicle Class	Building 1	Building 2	Total
LHDT1	46	46	92
LHDT2	13	13	26
MHDT	19	19	38
HHDT	93	93	186

Assumption: Number of TRUs = % Cold Storage x Number of DSL LHDT1+LHDT2+MHDT + HHDT

Truck Onsite Idling and TRU Operations

		Average Daily Truck Deliveries															
AERMOD ID	**User/ Location**	**HHDT Trucks**	**MHDT Trucks**	**LHDT1 Trucks**	**LHDT2 Trucks**	**TRU Number**	**Idle Time per Truck (hour/day)**	**HHDTruck Emissions (g/day)**	**MHDTruck Emissions (g/day)**	**LHDTruck1 Emissions (g/day)**	**LHDTruck2 Emissions (g/day)**	**Total Truck (g/day)**	**TRU OP Time (hours/day/TRU)**	**Total TRU Emissions (g/day)**	**Total Emissions (g/day)**	**Emissions Average (lb/day)**	**Emissions Average (g/sec)**
Truck Idling Sources																	
IB11 to IB110	Idling Sources - Building 1	46	9	23	7	17	0.250	1.41E-01	9.00E-02	4.55E+00	1.29E+00	6.07E+00	4.000	5.39E+00	1.15E+01	2.53E-02	1.33E-04
IB21 to B210	Idling Sources - Building 2	46	9	23	7	17	0.250	1.41E-01	9.00E-02	4.55E+00	1.29E+00	6.07E+00	4.000	5.39E+00	1.15E+01	2.53E-02	1.33E-04
Totals		**93**	**19**	**46**	**13**	**34**		**2.82E-01**	**1.80E-01**	**9.10E+00**	**2.59E+00**	**1.21E+01**		**1.08E+01**	**2.29E+01**	**5.05E-02**	**2.65E-04**

Daily Operation =	24	per day
Operation Days =	365	days/year
TRU Emissions		
TRU Emission Rate =	0.20	g/hr
Losd Factor	40%	
OP Emission Tate	0.08	g/hr
TRU Operating Time	4	hour
Diesel Diesel Truck Emission Factors		
LHDT1 Truck Idle Emissions (g/hr)=	0.788	g/hr
LHDT2 Truck Idle Emissions (g/hr)=	0.793	g/hr
MHDT Truck Idle Emissions (g/hr) =	0.038	g/hr
HHD Truck Idle Emissions (g/hr) =	0.012	g,hr
Truck idle time (min) =	15	min

Daily Truck idle emissions = Idle EF (g/hr) * idle time (min)/60 / daily hours (hr)/3600 * No. trucks

Daily TRU emissions = TRU Emission Rate (g/hr) * TRU run time (min)/60 / Daily Hours (hr) * No. TRUs

Notes:
TRU emission factor from OFFROAD2021

Idling emission factor derived from CARB EMFAC2021 model as the fleet average for Riverside (SC) 2027

Massachusetts Avenue Warehouse Project
Emissions from Offsite Vehicle Travel

Year: **2027**

Truck Operations

Daily VehicleTrips			
Vehicle Class	Building 1	Building 2	Total
LHDT1	46	46	92
LHDT2	13	13	26
MHDT	19	19	38
HHDT	93	93	186
	171	171	342

Assumption: Number of TRUs = % Cold Storage x Number of DSL LHDT1+LHDT2+MHDT + HHDT

AERMOD ID	Trip Description	% Daily Trips	Trip Length (mi)	Operations (hr)	Number of HHDT Trips (trips/day)	Number of MHDT (trips/day)	Number of LHDT1 (trips/day)	Number of LHDT2 (trips/day)	Number of TRU Trips (number)	HHDT Emissions (grams/day)	MHDT Emissions (grams/day)	LHDT1 Emissions (grams/day)	LHDT2 Emissions (grams/day)	Truck Emissions (g/day)	Total Emissions TRU Total (grams/day)	Daily Total (lbs/day)	Hourly Ave (grams/sec)
Offsite	Offsite1: Project>South on Kansas St>East on Mass Ave> South on Chicago Ave>East on 3rd St to I215	75%	1.124	24	139	28	69	20	51	9.69E-01	2.01E-01	3.25E+00	8.85E-01	5.30E+00	1.82E-01	1.21E-02	6.35E-05
Offsite2	Offsite2:Project>Roberta St>Spruce St>SR91	25%	0.327	24	46	9	23	7	17	9.38E-02	1.95E-02	3.14E-01	8.57E-02	5.14E-01	1.76E-02	1.17E-03	6.15E-06
Total					**186**	**38**	**92**	**26**	**68**	**1.06E+00**	**2.21E-01**	**3.56E+00**	**9.70E-01**	**5.82E+00**	**1.99E-01**	**1.32E-02**	**6.96E-05**

Operation Days = 365

Delivery Truck Hours (hrs/day) = 24

Delivery Truck Speed (mph) = 25

Daily Truck Emissions = Emission Factor (g/mi) * (Truck trips/day) * (miles/Truck Trip)

Daily TRU Emissions = Emission Rate (g/hr) * (TRU Trips/day /Speed (m/hr) * (miles/TRU Trip)

Diesel Truck Emission Factors (EMFAC2021)

2-axle LHDT1 (g/mi)= 0.042

2-axle LHDT2 (g/mi) = 0.040

3-Axle MHDT (g/mi) = 0.006

4-Axle HHD (g/mi) = 0.006

Truck emissions for trucks based on EMFAC 2021 for truck speed of 25 mph and Riverside County-SCAQMD 2027

TRU Emission Factor

TRU Emission Rate* (g/hr) = 0.20

Load Factor 40%

TRU Oper Emission Rate 0.08

TRU run time during travel (hr) = Road Length (mi)/Truck Speed (mph)

Notes:

TRU emission factor from OFFROAD2017

Massachusetts Avenue Warehouse Project

Emergency Generator Operatinal DPM Emissions

Emissions derived from CalEEMod

Fuel	Diesel	
Horsepower	238	
Load Factor	0.73	
Hours per Year	200	max allowed operaiion under SCAQMD Rule 1
PM10E EF	0.15	g/hp-hr (from CalEEMod)
Number fof Units	2	
PM10 Annual Average Emissions	3.31E-04	grams/sec averaged over the entire year
Stack Parameters	6.29E-02	pounds/day averaged over the entire year

Stack Temp	889	F		
Stack Dia	4.1	in		
Release Ht	7.4	ft		
Exhaust Flow	779	cfm or	0.378523	cm/sec

Source: SBAPCD 2020. Modeling Guidelines for Health Risk Assessments

Massachusetts Avenue Warehouse Project

Fire Pump Operatinal DPM Emissions

Emissions derived from CalEEMod

Fuel	Diesel	
Horsepower	238	
Load Factor	0.73	
Hours per Year	50	max allowed for testing and maintenance und
PM10E EF	0.15	g/hp-hr (from CalEEMod)
Number of Units	2	
PM10 Annual Average Emissions	8.26E-05	grams/sec averaged over the entire year
	1.57E-02	lbs/day averaged over the entire year

Stack Parameters

Stack Temp	889	F		
Stack Dia	4.1	in		
Release Ht	7.4	ft		
Exhaust Flow	779	cfm or	0.378523	cm/sec

Source: SBAPCD 2020. Modeling Guidelines for Health Risk Assessments

Massachusetts Avenue Warehouse Project **Year: 2027**
Emissions from Onsite Delivery and TRU Travel
TRU Emissions -

Truck Operations - Operational TRU Onsite Emissions (Regional Emission Analysis)

Assumption: Number of TRUs = % Cold Storage x Number of DSL LHDT1+LHDT2+MHDT + HHDT

AERMOD ID	On-Site Truck Delivery Emissions	% Daily Travel	Trip Length (mi)	Operations	DSL Daily HHDT Trucks	DSL Daily MHDT Trucks	DSL Daily LHDT1 Trucks	DSL Daily LHDT2 Trucks	DSL Daily TRU	TRU-ROG (lbs/day)	TRU-NOX (lbs/day)	TRU_CO (lbs/day)	TRU-PM10 (lbs/day)	TRU-PM2.5 (lbs/day)	TRU-CO2 (lb/day)
W10 to Building 1	West Loc 10 Travel Emissions to Building 1	17.5%	0.070	24	33	7	16	5	12	6.77E-02	1.01E+00	2.42E+00	1.18E+00	2.77E-01	1.37E+02
W10 to Building 2	West Loc 10 Travel Emissions to Building 2	17.5%	0.083	24	33	7	16	5	12	7.97E-02	1.18E+00	2.85E+00	1.39E+00	3.26E-01	1.61E+02
NE8 to Building 1	Northeast Loc 8 Travel Emissions to Building 1	12.5%	0.138	24	23	5	12	3	9	9.50E-02	1.41E+00	2.43E+00	8.45E-01	1.42E-01	4.99E+01
NE8 to Building 2	Northeast Loc 8 Travel Emissions to Building 2	12.5%	0.151	24	23	5	12	3	9	1.04E-01	1.54E+00	2.66E+00	9.25E-01	1.55E-01	5.46E+01
SE12 to Building 1	Sosutheast Loc 12 Travel Emissions to Building 1	20.0%	0.147	24	37	8	18	5	14	1.62E-01	2.41E+00	6.64E+00	3.69E+00	9.92E-01	5.58E+02
SE12 to Building 2	Southeast Loc 12 Travel Emissions to Building 2	20.0%	0.135	24	37	8	18	5	14	1.49E-01	2.21E+00	6.08E+00	3.38E+00	9.08E-01	5.11E+02
		100.0%			186	38	92	26	68	6.57E-01	9.76E+00	2.31E+01	1.14E+01	2.80E+00	1.47E+03

Operation Days = 365
Delivery Truck Hours (hrs/day) = 24 Daily TRU Emissions = Emission Rate (g/hr) * (TRU Trips/day /Speed (mi/hr) * (miles/TRU Trip)
Delivery Truck Speed (mph) = 5

TRU Emission Factor	ROG	NOx	CO	PM10	PM2.5	CO2
TRU Emission Rate[a] (g/hr) =	1.01	7.74	0.93	0.20	0.18	1348.95
Load Factor (%)	40%	40%	40%	40%	40%	40%
Operational Emission Rate (grams/hr)	0.40	3.09	0.37	0.08	0.07	539.58

TRU run time during travel (hr) = Road Length (mi)/Truck Speed (mph)
TRU emissions per link (g/day) = TRU Emission Rate (g/hr) x TRU run time during travel (hr) x # TRUs

Notes:
TRU emission factor from OFFROAD2017

Massachusetts Avenue Warehouse Project 2027
Onsite Truck TRU Operational Emissions (for Regional Analysis)
Emissions - Operational LST

Daily TRU emissions = TRU Emission Rate (g/hr) * TRU run time (min)/60 / Daily Hours (hr) * No. TRUs

Number of TRUs = % Cold Storage x Number of DSL LHDT1+LHDT2+MHDT + HHDT

Truck Onsite TRU Operations

		Average Daily Truck Deliveries					TRU	TRU	TRU	TRU	TRU	TRU	TRU
AERMOD ID	User/ Location	HHDT Trucks	MHDT Trucks	LHDT1 Trucks	LHDT2 Trucks	TRU Number	OP Time (hours/day)	ROG (lb/day)	NOx (lb/day)	CO (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO (lbs/day)
Truck Idling Sources													
IB11 to IB110	Idling Sources - Building 1	46	9	23	7	17	4.000	6.07E-02	4.66E-01	5.58E-02	1.19E-02	1.09E-02	8.13E+01
IB21 to IB210	Idling Sources - Building 2	46	9	23	7	17	4.000	6.07E-02	4.66E-01	5.58E-02	1.19E-02	1.09E-02	8.13E+01
Totals		**93**	**19**	**46**	**13**	**34**		**1.21E-01**	**9.32E-01**	**1.12E-01**	**2.38E-02**	**2.19E-02**	**1.63E+02**

Daily Operation =	24	per day				
Operation Days =	365	days/year				
TRU Emissions	ROG	NOx	CO	PM10	PM2.5	CO2
TRU Emission Rate =	1.01	7.74	0.93	0.20	0.18	1348.95
Load Factor	40%	40%	40%	40%	40%	40%
Operatonal Emisson Rate (g/hr)	0.40	3.09	0.37	0.08	0.07	539.58

Notes:
TRU emission factor from OFFROAD2017

Massachusetts Avenue Warehouse Project **Year:** **2027**
Emissions from Offsite TRU Travel (for Regional Analysis)

TRU Operations Daily TRU Emissions = Emission Rate (g/hr) * (TRU Trips/day /Speed (m/hr) * (miles/TRU Trip)

Number of TRUs = % Cold Storage x Number of DSL LHDT1+LHDT2+MHDT + HHDT

Off-Site Truck Delivery Emissions

	Trip Description	Trip Length All HDT (mi)	Operations (hr)	Number of HHDT Trips (trips/day)	Number of MHDT (trips/day)	Number of LHDT1 (trips/day)	Number of LHDT2 (trips/day)	Number of TRU Trips (number)	TRU ROG (lbs/day)	TRU NOx (lbs/day)	TRU CO (lbs/day)	TRU PM10 (lbs/day)	TRU PM2.5 (lbs/day)	TRU CO2 (lbs/day)
	All Offsite Travel	40.000	24	186	38	92	26	68	9.71E-02	7.46E-01	8.93E-02	1.90E-02	1.75E-02	1.30E+02

Operation Days =	365
Delivery Truck Hours (hrs/day) =	24
Delivery Truck Speed (mph) =	25

TRU Emission Factor	ROG	NOx	CO	PM10	PM2.5	CO2
TRU Emission Rate[a] (g/hr) =	1.01	7.74	0.93	0.20	0.18	1348.95
Load Factor (%)	40%	40%	40%	40%	40%	40%
Operatonal Emission Factor (g/hr)	0.40	3.09	0.37	0.08	0.07	539.58

Notes:
TRU emission factor from OFFROAD2021

Massachusetts Avenue Warehouse Project

Emissions from Onsite TRU Travel (for LST Analysis)

Onsite	ROG (lbs/day)	NOx (lbs/day)	CO (lbs/day)	PM10 (lbs/day)	PM2.5 (lbs/day)	CO2 (lbs/day)
Total	6.57E-01	9.76E+00	2.31E+01	1.14E+01	2.80E+00	1.47E+03

Idling	ROG (lbs/day)	NOx (lbs/day)	CO (lbs/day)	PM10 (lbs/day)	PM2.5 (lbs/day)	CO2 (lbs/day)
Total	1.21E-01	9.32E-01	1.12E-01	2.38E-02	2.19E-02	1.63E+02

Grand Total	**7.79E-01**	**1.07E+01**	**2.32E+01**	**1.14E+01**	**2.82E+00**	**1.63E+03**

Annual CO2	**2.98E+02**	**tons/year**
Annual CO2e	**2.68E+02**	**MTCO2e**

Model Output: OFFROAD2021 (v1.0.9) Emissions Inventory
Region Type: Sub-Area
Region: Riverside (SC)
Calendar Year: 2027
Scenario: All Adopted Rules - Exhaust
Vehicle Classification: OFFROAD2021 Equipment Types
Units: tons/day for Emissions, gallons/year for Fuel, hours/year for Activity, Horsepower-hours/year for Horsepower-hours

Region	Calendar Y	Vehicle Category	Model Yea	Horsepow	Fuel	HC_tpd	ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2.5_tpd	SOx_tpd	NH3_tpd	Fuel Consu	Total Acti	Total Popu	Horsepower_Hours_hhpy
Riverside (S	2027	Transport Refrigeration Unit - Instate Genset	Aggregate	25	Diesel	0.000908	0.001098	0.001307	0.001009	0.014069	2.250666	0.000356	0.000327	2.13E-05	5.04E-08	73206.9	155523.1	199.05	0
Riverside (S	2027	Transport Refrigeration Unit - Instate Genset	Aggregate	50	Diesel	0.000611	0.00074	0.00088	0.000679	0.005732	1.106546	8.54E-05	7.86E-05	1.05E-05	2.48E-08	35992.36	69647.91	89.1	0
Riverside (S	2027	Transport Refrigeration Unit - Instate Trailer	Aggregate	25	Diesel	0.018175	0.021993	0.026173	0.020213	0.168805	29.43497	0.004302	0.003961	0.000279	6.6E-07	957424.5	1459162	825.55	0
Riverside (S	2027	Transport Refrigeration Unit - Instate Trailer	Aggregate	50	Diesel	0.026131	0.03161	0.037618	0.029031	0.195115	44.11378	0.002608	0.002401	0.000418	9.89E-07	1434879	1921441	1087.12	0
Riverside (S	2027	Transport Refrigeration Unit - Out-Of-State Genset	Aggregate	25	Diesel	0.000819	0.000991	0.001179	0.00091	0.012329	1.973534	0.000318	0.000293	1.87E-05	4.42E-08	64192.69	136373.1	1099.71	0
Riverside (S	2027	Transport Refrigeration Unit - Out-Of-State Genset	Aggregate	50	Diesel	0.000412	0.000498	0.000593	0.000457	0.00397	0.707719	8.59E-05	7.91E-05	6.71E-06	1.59E-08	23019.8	44100.59	355.54	0
Riverside (S	2027	Transport Refrigeration Unit - Out-Of-State Trailer	Aggregate	25	Diesel	0.017652	0.021345	0.025403	0.019609	0.150783	29.15859	0.004415	0.004068	0.000276	6.54E-07	948434.9	1445462	5314.1	0
Riverside (S	2027	Transport Refrigeration Unit - Out-Of-State Trailer	Aggregate	50	Diesel	0.008043	0.009729	0.011578	0.008934	0.06469	11.57949	0.001069	0.000985	0.00011	2.6E-07	376643.4	505316	1857.66	0
Riverside (S	2027	Transport Refrigeration Unit - Railcar TRU	Aggregate	25	Diesel	0.000772	0.000935	0.001113	0.000858	0.008135	1.301417	0.000216	0.000199	1.23E-05	2.92E-08	42330.88	64514.41	197.01	0
Riverside (S	2027	Transport Refrigeration Unit - Railcar TRU	Aggregate	50	Diesel	0.000164	0.000199	0.000236	0.000182	0.001438	0.283968	1.25E-05	1.15E-05	2.69E-06	6.36E-09	9236.55	12540.23	38.31	0

Asssumes 25 horsepower, instate trailer

Emssion Factors	tons/day	grams/hr	Population	Grams/hr/TRU
PM10	0.004302	162.7772	825.55	0.197174
VOC	0.021993	832.0596	825.55	1.007885
Nox	0.168805	6386.437	825.55	7.735978
CO	0.020213	764.7191	825.55	0.926315
Sox	0.000279	10.55937	825.55	0.012791
PM2.5	0.003961	149.8556	825.55	0.181522
CO2	29.43497	1113623	825.55	1348.947

for Energy Consumption, gallon/mile for Fuel Consumption. PHEV calculated based on total VMT.

PM10_RUNEX
0.012345
0.088669
0.082516
0.023886
0.006185
0.041647
0.040236
0.006359

APPENDIX D.1 – ESTIMATION OF CONSTRUCTION HEALTH RISK

MassachusettsAvenue Warehouse Project - Construction DPM Emissions

Exposure Durations During Construction

	Start	End	Days	% Year
Calendar Days	1/1/2026	3/19/2027	442	1.21
3rd Trimester (2026)	1/1/2026	4/1/2026	90	0.25
0-1 year (2026)	4/2/2026	12/31/2026	273	0.75
0-1 year (2027)	1/1/2027	3/19/2027	77	0.21
				1.21

MassachusettsAvenue Warehouse Project - Construction DPM Emissions

No Mitigation

Cancer Risk Calculation - Location of Max Risk 467788.7 3760754

SCAQMD Guidance	**Residential**	**30-year Exposure**	**Total Cancer risk**
			0.54

Maximum Period DPM Concentration **0.00371** ug/m3

Year	Year	Maximum DPM (ug/m3)	CPF (mg/kg-day)^-1	95% DBR (l/kg-day)	ED (years)	EF (days)	AT (years)	TAH (%)	ASF	Operational Risk (risk/million)		
3rd Trimester	2026	0.00371	1.1	361	0.25	350	25550	0.85	10	0.04	1/1/2026	4/1/2026
1	2026	0.00371	1.1	1090	0.75	350	25550	0.85	10	0.39	4/2/2026	12/31/2026
2	2027	0.00371	1.1	1090	0.21	350	25550	0.85	10	0.11	1/1/2027	3/19/2027
3	2028	0.00000								0.00		
4	2029	0.00000								0.00		
5	2030	0.00000								0.00		
6	2031	0.00000								0.00		
7	2032	0.00000								0.00		
8	2033	0.00000								0.00		
9	2034	0.00000								0.00		
10	2035	0.00000								0.00		
11	2036	0.00000								0.00		
12	2037	0.00000								0.00		
13	2038	0.00000								0.00		
14	2039	0.00000								0.00		
15	2040	0.00000								0.00		
16	2041	0.00000								0.00		
17	2042	0.00000								0.00		
18	2043	0.00000								0.00		
19	2044	0.00000								0.00		
20	2045	0.00000								0.00		
21	2046	0.00000								0.00		
22	2047	0.00000								0.00		
23	2048	0.00000								0.00		
24	2049	0.00000								0.00		
25	2050	0.00000								0.00		
26	2051	0.00000								0.00		
27	2052	0.00000								0.00		
28	2053	0.00000								0.00		
29	2054	0.00000								0.00		
30	2055	0.00000								0.00		

MassachusettsAvenue Warehouse Project - Construction DPM Emissions

No Mitigation

Cancer Risk Calculation - Location of Max Risk 467788.7 3760754

SCAQMD Guidance	**Child**	**9-year Exposure**	**Total Cancer risk**
			0.54

Maximum Period DPM Concentration 0.00371 ug/m3

Year	Year	Maximum DPM (ug/m3)	CPF (mg/kg-day)^-1	95% DBR (l/kg-day)	ED (years)	EF (days)	AT (years)	TAH (%)	ASF	Operational Risk (risk/million)
3rd Trimester	2026	0.00371	1.1	361	0.25	350	25550	0.85	10	0.04
1	2026	0.00371	1.1	1090	0.75	350	25550	0.85	10	0.39
2	2027	0.00371	1.1	1090	0.21	350	25550	0.85	10	0.11
3	2028	0.00000								0.00
4	2029	0.00000								0.00
5	2030	0.00000								0.00
6	2031	0.00000								0.00
7	2032	0.00000								0.00
8	2033	0.00000								0.00
9	2034	0.00000								0.00
	2035									
	2036									
	2037									
	2038									
	2039									
	2040									
	2041									
	2042									
	2043									
	2044									
	2045									
	2046									
	2047									
	2048									
	2049									
	2050									
	2051									
	2052									
	2053									
	2054									
	2055									

0

MassachusettsAvenue Warehouse Project - Construction DPM Emissions

No Mitigation

Cancer Risk Calculation - Location of Max Risk 467788.7 3760754

SCAQMD Guidance	**Residential**	**30-year Exposure**	**Adult**	**Total Cancer risk**
				0.01

Maximum Period DPM Concentration 0.00371 ug/m3

Year	Year	Maximum DPM (ug/m3)	CPF (mg/kg-day)^-1	95% DBR (l/kg-day)	ED (years)	EF (days)	AT (years)	TAH (%)	ASF	Operational Risk (risk/million)
1	2026	0.00371	1.1	290	0.99	350	25550	0.73	1	0.01
2	2027	0.00371	1.1	290	0.21	350	25550	0.73	1	0.00
3	2028	0.00000								0.00
4	2029	0.00000								0.00
5	2030	0.00000								0.00
6	2031	0.00000								0.00
7	2032	0.00000								0.00
8	2033	0.00000								0.00
9	2034	0.00000								0.00
10	2035	0.00000								0.00
11	2036	0.00000								0.00
12	2037	0.00000								0.00
13	2038	0.00000								0.00
14	2039	0.00000								0.00
15	2040	0.00000								0.00
16	2041	0.00000								0.00
17	2042	0.00000								0.00
18	2043	0.00000								0.00
19	2044	0.00000								0.00
20	2045	0.00000								0.00
21	2046	0.00000								0.00
22	2047	0.00000								0.00
23	2048	0.00000								0.00
24	2049	0.00000								0.00
25	2050	0.00000								0.00
26	2051	0.00000								0.00
27	2052	0.00000								0.00
28	2053	0.00000								0.00
29	2054	0.00000								0.00
30	2055	0.00000								0.00

MassachusettsAvenue Warehouse Project - Construction DPM Emissions No Mitigation

Cancer Risk Calculation - Location of Max Risk 467201.5 3760876

SCAQMD Guidance **Worker** **25-year Exposure**

Total Cancer risk 0.58

Maximum Period DPM Concentration **0.193** ug/m3

Year	Year	Maximum DPM (ug/m3)	CPF (mg/kg-day)^-1	DBR (l/kg-day)	ED (years)	EF (days)	AT (years)	TAH (%)	ASF	Operational Risk (risk/million)
1	2026	0.19300	1.1	230	1.00	250	25550	1	1	0.48
2	2027	0.19300	1.1	230	0.21	250	25550	1	1	0.10
3	2028									0.00
4	2029									0.00
5	2030									0.00
6	2031									0.00
7	2032									0.00
8	2033									0.00
9	2034									0.00
10	2035									0.00
11	2036									0.00
12	2037									0.00
13	2038									0.00
14	2039									0.00
15	2040									0.00
16	2041									0.00
17	2042									0.00
18	2043									0.00
19	2044									0.00
20	2045									0.00
21	2046									0.00
22	2047									0.00
23	2048									0.00
24	2049									0.00
25	2050									0.00

APPENDIX D.2 – ESTIMATION OF OPERATIONAL HEALTH RISK

Receptor	Cancer Risk (per million)		Exceeds Significance Threshold?
	Maximum Lifetime Proposed Project Risk	Significance Threshold	
Maximum Impacted Sensitive Receptor - Prebirth to 30 years	5.59	10	No
Maximum Impacted Sensitive Receptor - Prebirth to 9 years	3.97	10	No
Maximum Impacted Sensitive Receptor - Adult (30 years)	0.71	10	No
Maximum Impacted Worker Receptor (30 years)	4.04	10	No

Receptor	Chronic Non-Cancer Hazard Index		Exceeds Significance Threshold?
	Maximum Lifetime Proposed Project Risk	Significance Threshold	
Maximum Impacted Sensitive Receptor	0.001292	1	No
Maximum Impacted Worker Receptor	0.007848	1	No

Receptor[1]	Cancer Risk (per million)		Exceeds Significance Threshold?
	Maximum Lifetime Proposed Project Risk	Significance Threshold	
Maximum Impacted Sensitive Receptor -	3.819920666	10	No
Maximum Impacted Worker Receptor (25 years)	3.813461177	10	No

Massachusetts Ave Warehouse Project Operational DPM Cancer Risks

Revised

Cancer Risk Calculation - Location of Nearest Sensitive Receptor **467788.7 3760754**

			Total Cancer risk	Chronic Non-cancer Hazard
SCAQMD Guidance	**Residential**	**30-year Exposure**	5.589	0.001292

Annual DPM Concentration at Max Impacted Sensiive Receptor **0.00646 ug/m3**

Year	Year	Maximum DPM (ug/m3)	CPF (mg/kg-day)^-1	95% DBR (l/kg-day)	ED (years)	EF (days)	AT (years)	TAH (%)	ASF	Operational Risk (risk/million)
3rd Trimester	2027	0.00646	1.1	361	0.25	350	25550	1	10	0.09
1	2027	0.00646	1.1	1090	1	350	25550	1	10	1.06
2	2028	0.00646	1.1	1090	1	350	25550	1	10	1.06
3	2029	0.00646	1.1	745	1	350	25550	1	3	0.22
4	2030	0.00646	1.1	745	1	350	25550	1	3	0.22
5	2031	0.00646	1.1	745	1	350	25550	1	3	0.22
6	2032	0.00646	1.1	745	1	350	25550	1	3	0.22
7	2033	0.00646	1.1	745	1	350	25550	1	3	0.22
8	2034	0.00646	1.1	745	1	350	25550	1	3	0.22
9	2035	0.00646	1.1	745	1	350	25550	1	3	0.22
10	2036	0.00646	1.1	745	1	350	25550	1	3	0.22
11	2037	0.00646	1.1	745	1	350	25550	1	3	0.22
12	2038	0.00646	1.1	745	1	350	25550	1	3	0.22
13	2039	0.00646	1.1	745	1	350	25550	1	3	0.22
14	2040	0.00646	1.1	745	1	350	25550	1	3	0.22
15	2041	0.00646	1.1	745	1	350	25550	1	3	0.22
16	2042	0.00646	1.1	745	1	350	25550	1	3	0.22
17	2043	0.00646	1.1	335	1	350	25550	0.73	1	0.02
18	2044	0.00646	1.1	335	1	350	25550	0.73	1	0.02
19	2045	0.00646	1.1	335	1	350	25550	0.73	1	0.02
20	2046	0.00646	1.1	335	1	350	25550	0.73	1	0.02
21	2047	0.00646	1.1	335	1	350	25550	0.73	1	0.02
22	2048	0.00646	1.1	335	1	350	25550	0.73	1	0.02
23	2049	0.00646	1.1	335	1	350	25550	0.73	1	0.02
24	2050	0.00646	1.1	335	1	350	25550	0.73	1	0.02
25	2051	0.00646	1.1	335	1	350	25550	0.73	1	0.02
26	2052	0.00646	1.1	335	1	350	25550	0.73	1	0.02
27	2053	0.00646	1.1	335	1	350	25550	0.73	1	0.02
28	2054	0.00646	1.1	335	1	350	25550	0.73	1	0.02
29	2055	0.00646	1.1	335	1	350	25550	0.73	1	0.02
30	2056	0.00646	1.1	335	1	350	25550	0.73	1	0.02

Massachusetts Ave Warehouse Project Operational DPM Cancer Risks

Revised

Cancer Risk Calculation - Location of Nearest Sensitive Receptor **467788.7 3760754**

SCAQMD Guidance **Residential** **Child (9 years)**

Total Cancer risk
3.970

Annual DPM Concentration at Max Impacted Sensiive Receptor **0.00646 ug/m3**

Year	Year	Maximum DPM (ug/m3)	CPF (mg/kg-day)^-1	95% DBR (l/kg-day)	ED (years)	EF (days)	AT (years)	TAH (%)	ASF	Operational Risk (risk/million)
3rd Trimester	2027	0.00646	1.1	361	0.25	350	25550	1	10	0.09
1	2027	0.00646	1.1	1090	1	350	25550	1	10	1.06
2	2028	0.00646	1.1	1090	1	350	25550	1	10	1.06
3	2029	0.00646	1.1	861	1	350	25550	1	3	0.25
4	2030	0.00646	1.1	861	1	350	25550	1	3	0.25
5	2031	0.00646	1.1	861	1	350	25550	1	3	0.25
6	2032	0.00646	1.1	861	1	350	25550	1	3	0.25
7	2033	0.00646	1.1	861	1	350	25550	1	3	0.25
8	2034	0.00646	1.1	861	1	350	25550	1	3	0.25
9	2035	0.00646	1.1	861	1	350	25550	1	3	0.25

Massachusetts Ave Warehouse Project Operational DPM Cancer Risks

Revised

Cancer Risk Calculation - Location of Nearest Sensitive Receptor **467788.7 3760754**

SCAQMD Guidance **Residential** **30-year Exposure** **Adult**

Total Cancer risk
0.714

Annual DPM Concentration at Max Impacted Sensiive Receptor **0.00646 ug/m3**

Year	Year	Maximum DPM (ug/m3)	CPF (mg/kg-day)^-1	95% DBR (l/kg-day)	ED (years)	EF (days)	AT (years)	TAH (%)	ASF	Operational Risk (risk/million)
1	2027	0.00646	1.1	335	1	350	25550	0.73	1	0.02
2	2028	0.00646	1.1	335	1	350	25550	0.73	1	0.02
3	2029	0.00646	1.1	335	1	350	25550	0.73	1	0.02
4	2030	0.00646	1.1	335	1	350	25550	0.73	1	0.02
5	2031	0.00646	1.1	335	1	350	25550	0.73	1	0.02
6	2032	0.00646	1.1	335	1	350	25550	0.73	1	0.02
7	2033	0.00646	1.1	335	1	350	25550	0.73	1	0.02
8	2034	0.00646	1.1	335	1	350	25550	0.73	1	0.02
9	2035	0.00646	1.1	335	1	350	25550	0.73	1	0.02
10	2036	0.00646	1.1	335	1	350	25550	0.73	1	0.02
11	2037	0.00646	1.1	335	1	350	25550	0.73	1	0.02
12	2038	0.00646	1.1	335	1	350	25550	0.73	1	0.02
13	2039	0.00646	1.1	335	1	350	25550	0.73	1	0.02
14	2040	0.00646	1.1	335	1	350	25550	0.73	1	0.02
15	2041	0.00646	1.1	335	1	350	25550	0.73	1	0.02
16	2042	0.00646	1.1	335	1	350	25550	0.73	1	0.02
17	2043	0.00646	1.1	335	1	350	25550	0.73	1	0.02
18	2044	0.00646	1.1	335	1	350	25550	0.73	1	0.02
19	2045	0.00646	1.1	335	1	350	25550	0.73	1	0.02
20	2046	0.00646	1.1	335	1	350	25550	0.73	1	0.02
21	2047	0.00646	1.1	335	1	350	25550	0.73	1	0.02
22	2048	0.00646	1.1	335	1	350	25550	0.73	1	0.02
23	2049	0.00646	1.1	335	1	350	25550	0.73	1	0.02
24	2050	0.00646	1.1	335	1	350	25550	0.73	1	0.02
25	2051	0.00646	1.1	335	1	350	25550	0.73	1	0.02
26	2052	0.00646	1.1	335	1	350	25550	0.73	1	0.02
27	2053	0.00646	1.1	335	1	350	25550	0.73	1	0.02
28	2054	0.00646	1.1	335	1	350	25550	0.73	1	0.02
29	2055	0.00646	1.1	335	1	350	25550	0.73	1	0.02
30	2056	0.00646	1.1	335	1	350	25550	0.73	1	0.02

Massachusetts Ave Warehouse Project Operational DPM Cancer Risks

Cancer Risk Calculation - Location of Maximum Impacted Worker Receptor 467201.9 4E+06

			Total Cancer risk	Chronic Non-cancer Hazard
SCAQMD Guidance	**Worker**	**25-year Exposure**	4.039	0.0078

Annuak DPM Concentration at Max Impacted Sensiive Receptor **0.03924 ug/m3**

Year	Year	Maximum DPM (ug/m3)	CPF (mg/kg-day)^-1	DBR (l/kg-day)	ED (years)	EF (days)	AT (years)	ASF	Operational Risk (risk/million)
1	2027	0.03924	1.1	230	0.7	350	25550	1	0.10
2	2028	0.03924	1.1	230	1	350	25550	1	0.14
3	2029	0.03924	1.1	230	1	350	25550	1	0.14
4	2030	0.03924	1.1	230	1	350	25550	1	0.14
5	2031	0.03924	1.1	230	1	350	25550	1	0.14
6	2032	0.03924	1.1	230	1	350	25550	1	0.14
7	2033	0.03924	1.1	230	1	350	25550	1	0.14
8	2034	0.03924	1.1	230	1	350	25550	1	0.14
9	2035	0.03924	1.1	230	1	350	25550	1	0.14
10	2036	0.03924	1.1	230	1	350	25550	1	0.14
11	2037	0.03924	1.1	230	1	350	25550	1	0.14
12	2038	0.03924	1.1	230	1	350	25550	1	0.14
13	2039	0.03924	1.1	230	1	350	25550	1	0.14
14	2040	0.03924	1.1	230	1	350	25550	1	0.14
15	2041	0.03924	1.1	230	1	350	25550	1	0.14
16	2042	0.03924	1.1	230	1	350	25550	1	0.14
17	2043	0.03924	1.1	230	1	350	25550	1	0.14
18	2044	0.03924	1.1	230	1	350	25550	1	0.14
19	2045	0.03924	1.1	230	1	350	25550	1	0.14
20	2046	0.03924	1.1	230	1	350	25550	1	0.14
21	2047	0.03924	1.1	230	1	350	25550	1	0.14
22	2048	0.03924	1.1	230	1	350	25550	1	0.14
23	2049	0.03924	1.1	230	1	350	25550	1	0.14
24	2050	0.03924	1.1	230	1	350	25550	1	0.14
25	2051	0.03924	1.1	230	1	350	25550	1	0.14
26	2052	0.03924	1.1	230	1	350	25550	1	0.14
27	2053	0.03924	1.1	230	1	350	25550	1	0.14
28	2054	0.03924	1.1	230	1	350	25550	1	0.14
29	2055	0.03924	1.1	230	1	350	25550	1	0.14
30	2056	0.03924	1.1	230	1	350	25550	1	0.14

APPENDIX D.3 – ESTIMATION OF COMBINED CONSTRUCTION AND OPERATIONAL HEALTH RISK

Massachusetts Ave Warehouse Project Operational DPM Cancer Risks

Revised

Cancer Risk Calculation - 467788.67 3760754.43

SCAQMD Guidance	**Residential**	**30-year Exposure (Combined Construction and Operation)**	**Total Cancer risk**	**Chronic Non-cancer Hazard**
			3.820	0.000742

Year	**Year**	**Maximum DPM (ug/m3)**	**CPF (mg/kg-day)^-1**	**95% DBR (l/kg-day)**	**ED (years)**	**EF (days)**	**AT (years)**	**TAH (%)**	**ASF**	**Operational Risk (risk/million)**	
3rd Trimester	2026	0.00371	1.1	361	0.25	250	25550	1	10	0.04	Construction
1	2026	0.00371	1.1	1090	0.75	250	25550	1	10	0.33	Construction
2	2027	0.00371	1.1	1090	0.21	250	25550	1	10	0.09	Construction
2	2027	0.00646	1.1	745	0.79	350	25550	1	3	0.17	Operation
3	2028	0.00646	1.1	745	1	350	25550	1	3	0.22	Operation
4	2029	0.00646	1.1	745	1	350	25550	1	3	0.22	Operation
5	2030	0.00646	1.1	745	1	350	25550	1	3	0.22	Operation
6	2031	0.00646	1.1	745	1	350	25550	1	3	0.22	Operation
7	2032	0.00646	1.1	745	1	350	25550	1	3	0.22	Operation
8	2033	0.00646	1.1	745	1	350	25550	1	3	0.22	Operation
9	2034	0.00646	1.1	745	1	350	25550	1	3	0.22	Operation
10	2035	0.00646	1.1	745	1	350	25550	1	3	0.22	Operation
11	2036	0.00646	1.1	745	1	350	25550	1	3	0.22	Operation
12	2037	0.00646	1.1	745	1	350	25550	1	3	0.22	Operation
13	2038	0.00646	1.1	745	1	350	25550	1	3	0.22	Operation
14	2039	0.00646	1.1	745	1	350	25550	1	3	0.22	Operation
15	2040	0.00646	1.1	745	1	350	25550	1	3	0.22	Operation
16	2041	0.00646	1.1	335	1	350	25550	1	1	0.03	Operation
17	2042	0.00646	1.1	335	1	350	25550	0.73	1	0.02	Operation
18	2043	0.00646	1.1	335	1	350	25550	0.73	1	0.02	Operation
19	2044	0.00646	1.1	335	1	350	25550	0.73	1	0.02	Operation
20	2045	0.00646	1.1	335	1	350	25550	0.73	1	0.02	Operation
21	2046	0.00646	1.1	335	1	350	25550	0.73	1	0.02	Operation
22	2047	0.00646	1.1	335	1	350	25550	0.73	1	0.02	Operation
23	2048	0.00646	1.1	335	1	350	25550	0.73	1	0.02	Operation
24	2049	0.00646	1.1	335	1	350	25550	0.73	1	0.02	Operation
25	2050	0.00646	1.1	335	1	350	25550	0.73	1	0.02	Operation
26	2051	0.00646	1.1	335	1	350	25550	0.73	1	0.02	Operation
27	2052	0.00646	1.1	335	1	350	25550	0.73	1	0.02	Operation
28	2053	0.00646	1.1	335	1	350	25550	0.73	1	0.02	Operation
29	2054	0.00646	1.1	335	1	350	25550	0.73	1	0.02	Operation
30	2055	0.00646	1.1	335	1	350	25550	0.73	1	0.02	Operation

Massachusetts Ave Warehouse Project Operational DPM Cancer Risks

Cancer Risk Calculation - Location of Max Risk

				Total	Chronic Non-cancer
SCAQMD Guidance	**Worker**	**25-year Exposure**		**Cancer risk**	**Hazard**
	Construction:	**0.193**		3.813	0.038600
	Operational:	**0.03924**			

Year	Year	Maximum DPM (ug/m3)	CPF (mg/kg-day)^-1	95% DBR (l/kg-day)	ED (years)	EF (days)	AT (years)	ASF	Operational Risk (risk/million)	
1	2026	0.19300	1.1	230	1.00	250	25550	1	0.48	Construction
2	2027	0.19300	1.1	230	0.21	250	25550	1	0.10	
3	2028	0.03924	1.1	230	1	350	25550	1	0.14	
4	2029	0.03924	1.1	230	1	350	25550	1	0.14	
5	2030	0.03924	1.1	230	1	350	25550	1	0.14	
6	2031	0.03924	1.1	230	1	350	25550	1	0.14	
7	2032	0.03924	1.1	230	1	350	25550	1	0.14	
8	2033	0.03924	1.1	230	1	350	25550	1	0.14	
9	2034	0.03924	1.1	230	1	350	25550	1	0.14	
10	2035	0.03924	1.1	230	1	350	25550	1	0.14	
11	2036	0.03924	1.1	230	1	350	25550	1	0.14	
12	2037	0.03924	1.1	230	1	350	25550	1	0.14	
13	2038	0.03924	1.1	230	1	350	25550	1	0.14	
14	2039	0.03924	1.1	230	1	350	25550	1	0.14	Operation
15	2040	0.03924	1.1	230	1	350	25550	1	0.14	
16	2041	0.03924	1.1	230	1	350	25550	1	0.14	
17	2042	0.03924	1.1	230	1	350	25550	1	0.14	
18	2043	0.03924	1.1	230	1	350	25550	1	0.14	
19	2044	0.03924	1.1	230	1	350	25550	1	0.14	
20	2045	0.03924	1.1	230	1	350	25550	1	0.14	
21	2046	0.03924	1.1	230	1	350	25550	1	0.14	
22	2047	0.03924	1.1	230	1	350	25550	1	0.14	
23	2048	0.03924	1.1	230	1	350	25550	1	0.14	
24	2049	0.03924	1.1	230	1	350	25550	1	0.14	
25	2050	0.03924	1.1	230	1	350	25550	1	0.14	
25	2051	0.03924	1.1	230	0.79	350	25550	1	0.11	