Appendix B2: Construction HRA

Appendices

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October 2024 | Construction Health Risk Assessment

GREENBRIAR RESIDENTIAL DEVELOPMENT

City of Brea

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1. Introduction

The project proponent (Lennar Homes of California, Inc.) is proposing a residential community on the former 9.7-acre Mercury Insurance site in the City of Brea, unincorporated Orange County, California. The project site is developed with a 164,908-square-foot office building that is currently vacant. The proposed Project would involve demolition of the existing office building, parking structure, and parking lot and subsequent construction of 179 attached residential units.

The nearest air quality receptors to the project site include single-family residences immediately north of Greenbriar Lane and to the east, across the Fullerton Creek drainage channel. Guidance from the California Environmental Protection Agency (CalEPA), Office of Environmental Health Hazard Assessment (OEHHA), California Air Pollution Control Officers Association (CAPCOA), and the South Coast Air Quality Management District (South Coast AQMD) were used to complete the HRA.

The proposed Project is anticipated to be constructed over an approximately 31-month period from April 2026 to October 2028. While construction is anticipated to be complete in October 2028, the emissions modeling prepared for this analysis conservatively assumes construction would not end until December 2028 based on detailed scheduling information provided by the applicant for individual construction activities. Nearby receptors could be potentially impacted from the proposed construction activities. Therefore, the health risk impacts from construction activities were determined for all nearby receptors.

This report presents the results of a construction health risk assessment for the proposed Project. This HRA considers the health impact to receptors from diesel particulate matter (DPM) generated from diesel-fueled hauling trucks (mobile source or off-site emissions) and off-road construction equipment (on-site emissions). Health impacts were based on conservative (i.e., health protective) assumptions. The United States Environmental Protection Agency (USEPA, 2005) and OEHHA (2015) note that conservative assumptions used in a risk assessment are intended to ensure that the estimated risks do not underestimate the actual risks. Therefore, the estimated risks do not necessarily represent actual risks experienced by populations near a site. The use of conservative assumptions tends to produce upper-bound estimates of risk and usually overestimate exposure and thus risk.

For residential receptors, the following conservative assumptions were used:

- It was assumed that maximum exposed children and adults stood outside at the site for 24 hours per day, 350 days per year. In reality, California residents typically spend, on average, 2 hours per day outdoors at their residences (USEPA, 2011). This would result in lower estimated risk values.
- The calculated risk for infants from third trimester to age 2 years is multiplied by a factor of 10 and for children from 2 to 16 years is multiplied by a factor of 3 to account for early life exposure and uncertainty in child versus adult exposure impacts (OEHHA, 2015).

2. Construction Emissions Inventory

As stated in the air quality evaluation for the project, construction modeling is based on a conservative scenario to provide a conservative analysis of the overall impacts of the proposed Project. As previously stated, the proposed Project is anticipated to be constructed over an approximately 31-month period from April 2026 to October 2028. While construction is anticipated to be complete in October 2028, the emissions modeling prepared for this analysis assumes construction would not end until December 2028 based on detailed scheduling information provided for individual construction activities. Construction air pollutant emissions are based on the preliminary information provided by the applicant, including the construction equipment mix and specifications and number of workdays per construction phase.

Construction emissions were calculated as average daily emissions in pounds per day, using the proposed construction schedule and the latest version of California Emissions Estimation Model, known as CalEEMod Version 2022.1 (CAPCOA 2022). Construction modeling separately considered years 2026 through 2028 for construction activities, including demolition, site preparation, grading, infrastructure, paving, architectural coating, and building construction. DPM emissions were based on the CalEEMod construction runs, using annual exhaust PM_{10} construction emissions presented in pounds (lbs.) per day.

Construction modeling was prepared specifically for use in the HRA that is separate from that used in the mass emissions analysis in the EIR. The construction modeling for the HRA is identical to that used in the mass emissions analysis in the EIR with respect to equipment type, quantity of equipment, horsepower, load factor, and activity durations; however, the construction modeling for the HRA normalizes the average daily hours of operation for each piece of equipment to better capture annual average emission rates when not all construction equipment is operating each workday in a given activity. For instance, the Demolition and Site Remediation activity would involve the use of excavators and skid steer loaders for up to 6.5 hours per day of operation; however, this activity is anticipated to last 176 workdays while the excavators and skid steer loaders are anticipated to only operate a total of 80 workdays during the overall schedule for Demolition and Site Remediation. Therefore, to capture the average daily DPM emissions during the Demolition and Site Remediation activity that informs average annual pollutant concentrations used in the risk calculations, the construction modeling normalizes the average hours of operation per day to account for the reduced average annual DPM emissions associated with this equipment only operating 80 workdays out of a 176-workday schedule (see Attachment A for detailed calculations). Construction was modeled to occur between April 2026 and December 2028. The average daily emission rates for the HRA from equipment used during construction of the proposed Project were determined by dividing the annual average emissions for each construction year by the number of construction workdays per year for each calendar year of construction.

The average daily emission rates from construction equipment used during the proposed Project were determined by dividing the annual average emissions for each construction year by the number of construction workdays per year for each calendar year of construction (i.e., 2026, 2027 and 2028). The off-site hauling emission rates were adjusted to evaluate DPM emissions from the 0.5-mile haul route along Greenbriar Lane,

Associated Road, and Imperial Highway from the project site to the nearest highway (HWY 57). The CalEEMod construction emissions output and emission rate calculations used in the HRA are provided in Attachment A.

3. Air Dispersion Modeling

Air dispersion modeling was performed using the AERMOD atmospheric dispersion model (Lakes AERMOD View, version 11.2). The model is a steady-state Gaussian plume model and is approved by South Coast AQMD for estimating ground-level impacts from emission sources in simple and complex terrain. The on-site construction emissions for the project were modeled as area sources, and the haul route emissions were modeled as adjacent line volume sources. The proposed Project was modeled in AERMOD to identify the annual average DPM concentration at the maximally exposed receptor (MER) of each receptor type (e.g., resident, daycare patron, preschool student, park visitor, worker).

The model requires additional input parameters, including local meteorology and terrain. AERMOD-ready meteorological (met) data was obtained from South Coast AQMD for the nearest representative met station with the five latest available years of record (Fullerton Airport 2012–2016) to represent local weather conditions and prevailing winds. The prevailing wind direction at the Lake Elsinore meteorological data station is northeastly (i.e., blowing from the northeast), and the wind rose is provided in Attachment B.

The modeling also considered the spatial distribution and elevation of each emitting source in relation to the sensitive receptors. Digital elevation model data for the project site and surrounding area were obtained and included in the model runs to account for complex terrain. An emissions release height of 4.15 meters was used as representative of the stack exhaust height for off-road construction equipment and diesel truck traffic, and an initial vertical dispersion parameter of 1.93 meters was used, per CARB guidance (CARB 2000).

To determine contaminant impacts during construction hours, the model's Hour-By-Day-of-Week (HRDOW) scalar option was invoked to predict ground-level concentrations for emissions generated between the hours of 7:00 AM and 4:00 PM, with a 1-hour lunch break, Monday to Friday. In addition, a scalar factor was applied to the risk calculations to account for the number of days receptors are present and exposed to construction emissions per year, consistent with the description provided under Section 1.

A unit emission rate of 1 gram per second was used for the construction model. The unit emission rates were proportioned over the area sources for on-site sources and line sources for the off-site truck routes and off-site roadway and utility improvements. The maximum AERMOD concentrations from the output files were then multiplied by the emission rates calculated in Section 3 (provided in Attachment A) to obtain the maximum ground-level concentrations at the MER of each receptor type. The AERMOD model output for the emission sources is presented in Attachment B for the construction model run. The model output DPM concentrations for the construction sources are provided in Attachment A.

4. Risk Methodology

4.1 CARCINOGENIC CHEMICAL RISK

Carcinogenic compounds do not have threshold levels (i.e., dose levels below which there are no risks). Therefore, any exposure will have some associated risk. The South Coast AQMD has established a maximum incremental cancer risk of 10 in a million (1 x 10^{-5} or 10 x 10^{-6}) for California Environmental Quality Act (CEQA) projects, and the OEHHA also sets a typical risk management level as 10 in a million (OEHHA 2015).

Health risks associated with exposure to carcinogenic compounds can be defined in terms of the probability of developing cancer as a result of exposure to a chemical at a given concentration. The cancer risk probability is determined by multiplying the chemical's annual concentration by its cancer potency factor (CPF), a measure of the carcinogenic potential of a chemical when a dose is received through the inhalation pathway. It is an upper-limit estimate of the probability of contracting cancer as a result of continuous exposure to an ambient concentration of one microgram per cubic meter ($\mu g/m^3$) averaged over a lifetime of 30 years.

Recent guidance from OEHHA recommends a refinement to the standard point estimate approach with the use of age-specific breathing rates and age sensitivity factors (ASF) to assess risk for susceptible subpopulations such as children. For the inhalation pathway, the procedure requires the incorporation of several discrete variates to effectively quantify dose for each age group. Once determined, contaminant dose is multiplied by the cancer potency factor in units of inverse dose expressed in milligrams per kilogram per day $(mg/kg/day)^{-1}$ to derive the cancer risk estimate. Therefore, the following dose algorithm was used to accommodate the unique exposures associated with each receptor type.

$$\text{Dose}_{\text{AIR,per age group}} = \left(C_{air} \times EF \times \left[\frac{BR}{BW}\right] \times A \times CF\right)$$

where:

Dose_{AIR}	=	dose by inhalation (mg/kg/day), per age group
C_{air}	=	concentration of contaminant in air ($\mu g/m^3$)
EF	=	exposure frequency (number of days/365 days)
BR/BW	=	daily breathing rate normalized to body weight (L/kg/day)
A	=	inhalation absorption factor (default = 1)
CF	=	conversion factor ($1x10^{-6}$, µg to mg, L to m^3)

The inhalation absorption factor (A) is a unitless factor that is only used if the cancer potency factor included a correction for absorption across the lung. The default value of 1 was used for this assessment. For residential receptors, the exposure frequency (EF) of 0.96 is used to represent 350 days per year to allow for a two-week period away from home each year (OEHHA 2015). This timeline is considered appropriate for potential

5. Risk Methodology

workplace exposures established by OEHHA. The daily breathing rates (BR/BW), exposure duration (ED), age sensitivity factors (ASF), and fraction of time at home (FAH) for the various age groups follow:

Age Groups	24-Hour BR/BW (L/kg-day)	ED	ASF	FAH
Third trimester	361	0.25	10	0.85
0–2 age group	1,090	1.43	10	0.85
2–9 age group	861	1.43	3	0.72
2–16 age group	745	1.43	3	0.72
16–30 age group	335	1.43	1	0.73
Age Groups	8-Hour BR/BW (L/kg-day)	ED	ASF	FAH
Third trimester	240	0.25	10	-
0–2 age group	1,200	1.43	10	-
2–9 age group	640	1.43	3	-
2–16 age group	520	1.43	3	-
16–30 age group	240	1.43	1	-

For construction analysis, the exposure duration spans the length of construction (i.e., 2026 to 2028). To calculate the overall cancer risk, the risk for each appropriate age group is calculated per the following equation:

$$\text{Cancer Risk}_{\text{AIR}} = \text{Dose}_{\text{AIR}} \times \text{CPF} \times \text{ASF} \times \text{FAH} \times \frac{\text{ED}}{AT}$$

where:

Dose_{AIR} = dose by inhalation (mg/kg/day), per age group
CPF = cancer potency factor, chemical-specific $(\text{mg/kg/day})^{-1}$
ASF = age sensitivity factor, per age group
FAH = fraction of time at home, per age group (for residential receptors only)
ED = exposure duration (years)
AT = averaging time period over which exposure duration is averaged (always 70 years)

The final step converts the cancer risk in scientific notation to a whole number that expresses the cancer risk in "chances per million" by multiplying the cancer risk by a factor of $1x10^6$ (i.e., 1 million).

Incremental cancer risk (expressed in chances per million) was calculated for the MER of each receptor type. The assessment was based on reasonable maximum exposure, defined as the "highest exposure that is reasonably expected to occur" for each receptor type, assuming all source generated emissions concurrently. The calculated results are provided in Attachment A.

4.2 NONCARCINOGENIC HAZARDS

An evaluation was also conducted of the potential noncancer effects of chronic DPM exposure. Adverse health effects are evaluated by comparing the annual ground-level concentration of DPM from project construction or operation with the appropriate reference exposure limit (REL). Examples of noncancer adverse health effects are asthma, chronic obstructive pulmonary disease, and local effects from chemical exposure to specific organs such as the eyes, kidneys, and reproductive system.

The hazard index approach was used to quantify noncarcinogenic impacts. The hazard index assumes that chronic subthreshold exposures adversely affect a specific organ or organ system (toxicological endpoint). For DPM, the target organ determined by OEHHA is the respiratory system. To calculate the hazard index, the DPM concentration is divided by the DPM's chronic REL. A hazard index of 1 or lower means air toxics are unlikely to cause adverse noncancer health effects, such as asthma, over a lifetime of exposure. The chronic hazard analysis for DPM is provided in Attachment A.

5. Results and Conclusions

5.1 MAXIMUM EXPOSED RECEPTOR LOCATIONS

The following section summarizes the results and conclusion for this HRA report. The MER of each receptor type were identified as the following:

- Residential Receptor: Single-family residence adjacent to the northern boundary of the project site, located at 33.91440°N -117.88101°E.
- Worker Receptor: Employees adjacent to the southern boundary of the project site, located at 33.91297°N -117.88109°E.
- Park Receptor: Greenbriar Park visitor receptors adjacent to the northeastern boundary of the project site, located at 33.91459°N -117.87953°E.

5.2 CONSTRUCTION HEALTH RISKS

The calculated health risk values are based on the modeled receptor concentration over the construction exposure period for the MER of each receptor type, averaged over a 30-year lifetime. Unmitigated results of the health risk assessment shown in Table 1 indicate that the maximum incremental cancer risk during the construction phase of the project at the residential MER would exceed the South Coast AQMD threshold of 10 in one million. As shown, the residential MER would experience a cancer risk of approximately 30 in one million. None of the identified MERs would exceed the South Coast AQMD's chronic hazard threshold of 1.0. However, since the incremental cancer risks exceed the South Coast AQMD threshold, this impact would be potentially significant before mitigation.

Table 1 Unmitigated Construction Health Risk Summary

Receptor	Cancer Risk (per million)	Chronic Hazards
Residential MER	30.19	0.01
Worker MER	0.11	<0.01
Park MER	1.64	<0.01
South Coast AQMD Threshold	10	1.0
Exceeds Threshold?	Yes	No

Note: MER = Maximally Exposed Receptor.

As discussed in Chapter 5-2, *Air Quality*, of the EIR, the proposed Project would be required to implement Mitigation Measure (MM) AQ-2, which stipulates the use of Tier 4 Final equipment for all off-road construction equipment used during project construction that is greater than 50 horsepower, except for Telebelts. MM AQ-2 is listed below, and the mitigated health risk results that incorporate the use of Tier 4 Final

equipment consistent with MM AQ-2 are shown in Table 2, which reflects mitigated results for the Residential MER because that was the only MER type which exceeded the significance threshold.

MM AQ-2 The construction contractor(s) shall, at minimum, use equipment that meets the United States Environmental Protection Agency's (EPA) Tier 4 (Final) emissions standards for off-road diesel-powered construction equipment with more than 50 horsepower, except for the telebelts anticipated for use during Project construction. Any emissions control device used by the contractor shall achieve emissions reductions that are no less than what could be achieved by Tier 4 Final emissions standards for a similarly sized engine, as defined by the California Air Resources Board's regulations. Prior to construction, the project engineer shall ensure that all plans clearly show the requirement for EPA Tier 4 Final emissions standards for construction equipment over 50 horsepower except for the telebelts used for Project construction, Tier 4 Final models of which could not be verified as commercially available for purposes of this measure. During construction, the construction contractor shall maintain a list of all operating equipment associated with building demolition in use on the site for verification by the City. The construction equipment list shall state the makes, models, and numbers of construction equipment onsite. Equipment shall be properly serviced and maintained in accordance with the manufacturer's recommendations.

Table 2 Mitigated Construction Health Risk Summary

Receptor	Cancer Risk (per million)	Chronic Hazards
Residential MER	5.73	<0.01
South Coast AQMD Threshold	10	1.0
Exceeds Threshold?	No	No

Note: Includes Mitigation Measure AQ-2, which requires all off-road construction equipment to be fitted with engines that meet the USEPA Tier 4 Final emissions standards except for telebelts anticipated for use during Project construction. MER = Maximally Exposed Receptor.

With the implementation of MM AQ-2, the cancer risk at the residential MER during project construction would be reduced to approximately 6 in one million after mitigation. As such, the incorporation of MM AQ-2 would reduce impacts to below the South Coast AQMD's significance threshold of 10 in one million. This impact would be less than significant after mitigation.

For non-carcinogenic effects, the chronic hazard indices identified for each toxicological endpoint totaled less than one for each MER for both the unmitigated and mitigated scenarios. Thus, chronic non-carcinogenic hazards are below the significance threshold.

6. References

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Attachments

Attachment A. Emission and Risk Calculations

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CalEEMod Inputs - Greenbriar Residential, Construction

Name:	Greenbriar Residential Project
Project Number:	BREA-05
Project Location:	1700 Greenbriar Lane, Brea, CA
County/Air Basin:	Orange County
Climate Zone:	8
Land Use Setting:	Urban
Operational Year:	2022
Utility Company:	Southern California Edison
Air Basin:	South Coast Air Basin
Air District:	SCAQMD
SRA:	16

Proiect Site Acreage	9.7
Disturbed Site Acreage	9.70

Demolition	***Cubic Yards***	***Tons***					
Concrete (Building, Parking Structure)	130,000	17,000.00					
Asphalt	14,074	3,800.00					
Project Components	**SQFT**	**Footprint**	**Acres**	**Units**	**Notes**		
New Construction							
Residences	505,265	143,258	3.29	179.00			
Private Landscaped Open Space	7,569	7,569	0.17				
Hardscape	35,423	35,423	0.81				
Planting/Landscaping	104,785	104,785	2.41				
Asphalt (Roads)	131,359	131,359	3.02		396 total parking stalls (4 on-street)		
Total New Construction	**784,401**	**422,394.00**	**9.70**				

CalEEMod Inputs							
Land Use	**Land Use Type**	**Land Use Subtype**	**Unit Amount**	**Size Metric**	**Lot Acreage**	**Landscaped Square Feet**	**Land Use Square Feet**
Residences	Residential	Condo/Townhouse High Rise	179	Dwelling Unit	5.87	112,354	505,265
Hardscape	Parking	Other Non-Asphalt Surfaces	35.423	1000 sqft	0.81		35,423
Asphalt (Roads)[1]	Parking	Other Asphalt Surfaces	131.359	1000 sqft	3.02		131,359
Total					9.70	**112,354**	**784,401**

Notes

[1] Asphalt surfaces calculated by subtracting the building, hardscape, and landscaping square footage from the total project area square footage

Demolition

Component	**Amount to be Demolished (Tons)**	**Haul Truck Capacity (tons)[2]**	**Haul Distance (miles)2**	**Total Trip Ends**	**Duration (days)**	**Trip Ends/day**
Concrete Demolition[1]	17,000	20	35	1,700	80	22
Asphalt (Roads)	3,800	20	35	380	80	5
Total	20,800			2,080		27

Notes

[1] Includes existing building and all additional concrete onsite

[2] Based on applicant input

Soil Haul [1]

Construction Activities	Export Volume (CY)[1]	Haul Truck Capacity (cy)[1]	Haul Distance (miles)1	Total Trip Ends	Duration (days)	Trip Ends/day
Rough Grading	7,921	20	35	793	90	9
Site Remediation	1,000	20	35	100	30	4
Total	8,921			893		13

Notes

[1] Based on data provided by the applicant

[2] CalEEMod Default

Architectural Coating

Percentage of Buildings' Interior Painted: 100%

Percentage of Buildings' Exterior Painted: 100%

SCAQMD Rule 1113

Res Interior Paint VOC content: 50 grams per liter

Res Exterior Paint VOC content: 50 grams per liter

Mitigation

Res Interior Paint VOC content: 10 grams per liter

Res Exterior Paint VOC content: 10 grams per liter

Land Use	Land Use SQFT	CalEEMod Factor[2]	Total Paintable Surface Area	Paintable Interior Area[1]	Paintable Exterior Area[1]
Residential Buildings					
Condo/Townhouse High Rise	505,265	2.7	1,364,216	1,023,162	341,054
Asphalt Surfaces					
Other Non-Asphalt Surfaces	35,423	0.06	2,125	-	2,125
Other Asphalt Surfaces	131,359	0.06	7,882		7,882
					10,007

Notes

[1] CalEEMod methodology calculates the paintable interior and exterior areas by multiplying the total paintable surface area by 75 and 25 percent, respectively.

[2] The program assumes the total surface for painting equals 2.7 times the floor square footage for residential and 2 times that for nonresidential square footage defined by the user. Architectural coatings for the parking lot is based on CalEEMod methodology applied to a surface parking lot (i.e., striping), in which 6% of surface area is

Southern California Edison Carbon Intensity Factors (2028)

	Forecasted Factors 2028[1]	
CO_2:	346.196	pounds per megawatt hour
CH_4:	0.033	pound per megawatt hour
N_2O:	0.004	pound per megawatt hour

Notes

[1] CalEEMod defaults used.

Construction Mitigation

Enhanced Fugitive Dust Mitigation

SCAQMD Rule 403

Replace Ground Cover	PM10:	5	% Reduction
	PM25:	5	% Reduction
Water Exposed Area	Frequency:	2	per day
	PM10:	61	% Reduction
	PM25:	61	% Reduction
Unpaved Roads	Vehicle Speed:	15	mph

SCAQMD Rule 1186

	Clean Paved Road	9	% PM Reduction

Construction Activities and Schedule Assumptions

* based on schedule provided by Applicant

Applicant-Provided Construction Schedule[1]		
Construction Activities	Phase Type	CalEEMod Duration (Workday)
Demolition (Building & Asphalt)	Demolition	80
Abatement (Site Remediation)	Site Preparation	30
Turnsite	Site Preparation	22
Underground Storage Tank Removal	Site Preparation	44
Rough Grading	Grading	90
Building Construction (including Arch Coating, Paving, and Landscaping)	Building Construction	310
Infrastructure	Trenching	132
	Total Days	708

Construction Schedule Adjusted for Overlapping Phases				
Construction Activities	Phase Type	Start Date	End Date	CalEEMod Duration (Workday)
Demolition & Site Remediation[2]	Demolition	4/1/2026	12/2/2026	176
Demolition Debris Haul	Demolition	10/14/2026	7/21/2026	80
Site Remediation Soil Haul	Site Preparation	10/22/2026	12/2/2026	30
Rough Grading	Grading	12/3/2026	4/7/2027	90
Infrastructure	Trenching	4/8/2027	10/8/2027	132
Building Construction	Building Construction	10/9/2027	12/15/2028	310
Asphalt Paving[1]	Paving	10/4/2028	12/15/2028	20
Architectural Coating[1]	Architectural Coating	10/4/2028	12/15/2028	20
			Total Days	708

Notes

[1] Workdays for architectural coating and paving phases based on CalEEMod defaults

[2] Demolition, Abatement, Turnsite, and Underground Storage Tank Removal phases modeled as one phases due overlap in equipment use.

CalEEMod Construction Off-Road Equipment Inputs - Average Daily Construction Activity

The equipment and its specifications were provided by applicant. CalEEMod defaults were used for generating worker trips.

[1]The average hours per day for equipment during the demolition/site remediation, grading, building construction, and infrastructure phases were normalized to account for the actual days of operation for each piece of equipment for use in the HRA.

Construction Equipment Details							
Model	**CalEEMod Equipment**	**# of Equipment**	**Total Days of Operation**	**hr/day**	**Normalized Hours of Operation/Day [1]**	**hp**	**total trips per day**
Demolition/Abatement/Turnsite/UST							
Volvo 350 Track Excavator	Excavator	2	80	6.5	2.96	308	
Volvo 250 Track Excavator	Excavator	1	80	6.5	2.96	215	
Cat 236 Skid Steer	Skid Steer Loaders	2	80	6.5	2.96	65	
Worker Trips							13
Vendor Trips							0
Hauling Trips							0
Water Trucks (Onsite Trucks)		Acres Disturbed:[1]		3.06			16
		Onsite Travel (mi/day):		2.53			
Notes: [1] To account for water truck usage, all Volvo Excavators in this activity are assumed result in daily site disturbance equivalent to Tractors, and Skid Steer Loaders are assumed to result in daily site disturbance equivalent to Scrapers.							
Demolition Debris Haul							
Hauling Trips							27
Notes: No additional equipment is needed for the demolition debris haul phase.							
Soil Remediation Haul							
Hauling Trips							4
Notes: No additional equipment is needed for the site remediation soil haul phase.							
Grading							
657 Scraper	Scrapers	4	40	7	3.12	447	
D-8 Dozer	Rubber Tired Dozers	1	40	7	3.12	347	
824 Dozer	Rubber Tired Dozers	1	40	7	3.12	405	
Grader	Grader	1	40	7	3.12	647.5	
Worker Trips							18
Vendor Trips							0
Hauling Trips							9
Water Trucks		Acres Disturbed:[1]		4.81			26
		Onsite Travel (mi/day):		3.97			
Building Construction							
Wheel Trencher	Trenchers	2	88	6	1.71	367	
Boom Pumps	Pumps	2	88	6	1.71	82	
Skiploader Tractor	Tractor/Loader/Backhoe	2	88	6	1.71	84	
Telebelt	Other Material Handling Equipment	2	88	6	1.71	93	
Worker Trips							129
Vendor Trips							19
Hauling Trips							0
Water Trucks							0
Paving							
Paver (AP1000)	Pavers	1	20	8	8.00	225	
Asphalt Roller	Roller	3	20	8	8.00	100	
Tractor Loader	Rubber Tired Loaders	1	20	8	8.00	100	
Worker Trips							13
Vendor Trips							0
Hauling Trips							0
Water Trucks							0

CalEEMod Construction Off-Road Equipment Inputs - Average Daily Construction Activity

The equipment and its specifications were provided by applicant. CalEEMod defaults were used for generating worker trips.

[1]The average hours per day for equipment during the demolition/site remediation, grading, building construction, and infrastructure phases were normalized to account for the actual days of operation for each piece of equipment for use in the HRA.

Construction Equipment Details							
Model	CalEEMod Equipment	# of Equipment	Total Days of Operation	hr/day	Normalized Hours of Operation/Day [1]	hp	total trips per day
Demolition/Abatement/Turnsite/UST							
Volvo 350 Track Excavator	Excavator	2	80	6.5	2.96	308	
Volvo 250 Track Excavator	Excavator	1	80	6.5	2.96	215	
Cat 236 Skid Steer	Skid Steer Loaders	2	80	6.5	2.96	65	
Worker Trips							13
Vendor Trips							0
Architectural Coating							
Cement Mixer	Cement and Mortar Mixers	1	20	8	8.00	10	
Predator V-600 Pump	Pumps	1	20	8	8.00	37	
Worker Trips							26
Vendor Trips							0
Hauling Trips							0
Water Trucks							0
Infrastructure							
Cat 335 Excavator	Excavator	1	58	7	3.08	273	
Cat 330 Excavator	Excavator	1	43	7	2.28	273	
Cat 950 Wheel Loader	Rubber Tired Loaders	1	58	7	3.08	249	
Cat 430 Backhoe	Tractor/Loader/Backhoe	1	22	7	1.17	107	
Worker Trips							10
Vendor Trips							0
Hauling Trips							0
Water Trucks							0

Water Truck Vendor Trip Calculation

Amount of Water (gal/acre/day)[1]			Water Truck Capacity (gallons)[2]
10,000			4,000

Notes:

[1] Based on data provided in Guidance for Application for Dust Control Permit

Maricopa County Air Quality Department. 2005, June. Guidance for Application of Dust Control Permit. https://www.epa.gov/sites/default/files/2019-04/documents/mr_guidanceforapplicationfordustcontrolpermit.pdf)

[2] Based on standard water truck capacity:
McLellan Industries. 2022, January (access). Water Trucks. https://www.mclellanindustries.com/trucks/water-trucks/

[3]

Assumes that dozers, tractors/loaders/backhoes, and graders can disturb 0.50 acres per day and scrapers can disturb 1 acre per day.

Construction Calcs

RECALCULATE

Daily (Unmitigated) | Annual (Unmitigated) | Daily (Mitigated) | Annual (Mitigated)

Pounds | Tons | Metric Tons

Off-Road Equipment

Year	Construction Phase	TOG	ROG	NOx	CO	SO_2	PM10E	PM2.5E	PM10D	PM2.5D	CO_2	CH_4	N_2O	HFC	R	CO_2e
2026	Demolition & Site Remediation	60.65	50.96	377.2	577.7	2.059	12.48	11.48			222,855	9.040	1.808			223,619
2026	Rough Grading	49.48	41.57	378.4	299.2	0.849	15.30	14.07			91,986	3.731	0.746			92,301
2027	Rough Grading	164.8	138.5	1,234	986.8	2.839	49.91	45.92			307,398	12.47	2.494			308,453
2027	Building Construction	26.09	21.88	208.1	267.7	0.612	7.641	7.029			64,615	2.621	0.524			64,837
2027	Infrastructure	42.01	35.30	233.7	311.8	1.246	8.203	7.547			134,869	5.471	1.094			135,332
2028	Asphalt Paving	12.25	10.29	74.03	193.4	0.421	3.039	2.796			45,530	1.847	0.369			45,686
2028	Building Construction	105.9	88.86	848.3	1,115	2.550	30.58	28.13			269,055	10.91	2.183			269,978
2028	Architectural Coating	3.769	3.115	28.58	30.59	0.063	0.678	0.624			4,687	0.190	0.038			4,703

Mobile Exhaust

Year	Construction Phase	TOG	ROG	NOx	CO	SO_2	PM10E	PM2.5E	PM10D	PM2.5D	CO_2	CH_4	N_2O	HFC	R	CO_2e
Total																
2026	Demolition & Site Remediation	14.80	9.293	106.2	151.9	0.648	0.656	0.656	6.984	1.945	117,962	5.048	13.82	0.100	143.2	122,351
2026	Demolition Debris Haul	14.43	2.143	185.1	78.48	1.000	1.905	1.905	10.48	3.810	148,041	11.24	23.43	0.090	129.2	155,433
2026	Site Remediation Soil Haul	0.835	0.124	10.71	4.542	0.058	0.110	0.110	0.606	0.220	8,567	0.650	1.356	0.005	7.480	8,995
2026	Rough Grading	3.143	1.573	26.07	28.22	0.144	0.223	0.223	1.663	0.502	25,376	1.454	3.334	0.019	27.14	26,433
2027	Rough Grading	10.07	4.632	84.32	89.66	0.482	0.746	0.746	5.561	1.680	83,298	4.802	10.96	0.058	82.71	86,768
2027	Building Construction	28.37	22.65	63.65	360.6	0.258	0.258	0.258	8.373	0.775	130,857	2.965	8.490	0.120	172.2	133,634
2027	Infrastructure	4.365	3.739	4.554	58.54	0.000	0.000	0.000	1.077	0.000	16,303	0.204	0.626	0.016	23.17	16,518
2028	Asphalt Paving	0.810	0.692	0.755	10.47	0.000	0.000	0.000	0.204	0.000	3,033	0.039	0.118	0.003	3.922	3,073
2028	Building Construction	114.9	92.23	244.4	1,421	1.076	1.076	1.076	34.89	3.227	534,754	12.35	35.37	0.449	642.4	546,247
2028	Architectural Coating	1.671	1.426	1.557	21.59	0.000	0.000	0.000	0.421	0.000	6,254	0.080	0.244	0.006	8.088	6,337

Construction Calcs

RECALCULATE

Daily (Unmitigated) | Annual (Unmitigated) | Daily (Mitigated) | **Annual (Mitigated)**

Pounds | Tons | Metric Tons

Off-Road Equipment

Year	Construction Phase	TOG	ROG	NOx	CO	SO_2	PM10E	PM2.5E	PM10D	PM2.5D	CO_2	CH_4	N_2O	HFC	R	CO_2e
2026	Demolition & Site Remediation	23.51	23.51	257.9	1,164	2.059	4.224	4.224			222,855	9.040	1.808			223,619
2026	Rough Grading	8.698	8.698	45.23	452.3	0.849	1.740	1.740			91,986	3.731	0.746			92,301
2027	Rough Grading	29.09	29.09	151.3	1,513	2.839	5.818	5.818			307,398	12.47	2.494			308,453
2027	Building Construction	8.751	8.187	58.35	353.5	0.558	1.981	1.907			60,398	2.450	0.490			60,606
2027	Infrastructure	12.78	12.78	66.47	679.5	1.246	2.556	2.556			134,869	5.471	1.094			135,332
2028	Asphalt Paving	4.312	4.312	22.42	282.4	0.421	0.862	0.862			45,530	1.847	0.369			45,686
2028	Building Construction	36.28	33.96	238.7	1,474	2.323	7.844	7.565			251,486	10.20	2.040			252,349
2028	Architectural Coating	3.769	3.115	28.58	30.59	0.063	0.678	0.624			4,687	0.190	0.038			4,703

Mobile Exhaust

Year	Construction Phase	TOG	ROG	NOx	CO	SO_2	PM10E	PM2.5E	PM10D	PM2.5D	CO_2	CH_4	N_2O	HFC	R	CO_2e
Total																
2026	Demolition & Site Remediation	14.80	9.293	106.2	151.9	0.648	0.656	0.656	6.984	1.945	117,962	5.048	13.82	0.100	143.2	122,351
2026	Demolition Debris Haul	14.43	2.143	185.1	78.48	1.000	1.905	1.905	10.48	3.810	148,041	11.24	23.43	0.090	129.2	155,433
2026	Site Remediation Soil Haul	0.835	0.124	10.71	4.542	0.058	0.110	0.110	0.606	0.220	8,567	0.650	1.356	0.005	7.480	8,995
2026	Rough Grading	3.143	1.573	26.07	28.22	0.144	0.223	0.223	1.663	0.502	25,376	1.454	3.334	0.019	27.14	26,433
2027	Rough Grading	10.07	4.632	84.32	89.66	0.482	0.746	0.746	5.561	1.680	83,298	4.802	10.96	0.058	82.71	86,768
2027	Building Construction	28.37	22.65	63.65	360.6	0.258	0.258	0.258	8.373	0.775	130,857	2.965	8.490	0.120	172.2	133,634
2027	Infrastructure	4.365	3.739	4.554	58.54	0.000	0.000	0.000	1.077	0.000	16,303	0.204	0.626	0.016	23.17	16,518
2028	Asphalt Paving	0.810	0.692	0.755	10.47	0.000	0.000	0.000	0.204	0.000	3,033	0.039	0.118	0.003	3.922	3,073
2028	Building Construction	114.9	92.23	244.4	1,421	1.076	1.076	1.076	34.89	3.227	534,754	12.35	35.37	0.449	642.4	546,247
2028	Architectural Coating	1.671	1.426	1.557	21.59	0.000	0.000	0.000	0.421	0.000	6,254	0.080	0.244	0.006	8.088	6,337

BREA-05_Construction v2 Custom Report

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1.1. Basic Project Information

Data Field	Value
Project Name	BREA-05_Construction v2
Construction Start Date	4/1/2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	1.80
Precipitation (days)	21.2
Location	Greenbriar Ln, Brea, CA 92821, USA
County	Orange
City	Brea
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5781
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.28

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
Condo/Townhouse High Rise	179	Dwelling Unit	5.87	505,265	112,354	—	505	—

Other Non-Asphalt Surfaces	35.4	1000sqft	0.81	0.00	0.00	—	—	—
Other Asphalt Surfaces	131	1000sqft	3.02	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers
Construction	C-13	Use Low-VOC Paints for Construction

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.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.52	2.07	19.0	15.6	0.05	0.73	7.36	7.46	0.67	1.35	2.02	—	5,647	5,647	0.25	0.38	5.94	5,714
Mit.	0.61	0.50	4.25	23.2	0.05	0.09	7.36	7.41	0.09	1.35	1.44	—	5,647	5,647	0.25	0.38	5.94	5,714
% Reduced	76%	76%	78%	-49%	—	87%	—	1%	86%	—	29%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	163	162	19.5	22.6	0.05	0.75	4.36	5.11	0.69	1.35	2.04	—	6,163	6,163	0.25	0.20	0.19	6,225
Mit.	35.5	35.3	4.60	28.5	0.05	0.11	4.36	4.46	0.11	1.35	1.44	—	6,093	6,093	0.25	0.20	0.19	6,154
% Reduced	78%	78%	76%	-26%	—	85%	—	13%	84%	—	29%	—	1%	1%	—	—	—	1%

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.47	9.35	5.01	7.65	0.01	0.18	2.19	2.27	0.17	0.37	0.50	—	2,365	2,365	0.09	0.12	1.79	2,400
Mit.	2.32	2.25	1.73	8.88	0.01	0.03	2.19	2.21	0.03	0.37	0.40	—	2,317	2,317	0.09	0.12	1.79	2,352
% Reduced	75%	76%	65%	-16%	—	83%	—	3%	82%	—	21%	—	2%	2%	—	—	—	2%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.73	1.71	0.91	1.40	< 0.005	0.03	0.40	0.42	0.03	0.07	0.09	—	392	392	0.01	0.02	0.30	397
Mit.	0.42	0.41	0.32	1.62	< 0.005	0.01	0.40	0.40	0.01	0.07	0.07	—	384	384	0.01	0.02	0.30	389
% Reduced	75%	76%	65%	-16%	1%	83%	—	3%	82%	—	21%	—	2%	2%	—	—	—	2%

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.61	0.37	4.93	5.19	0.03	0.10	7.36	7.46	0.09	1.15	1.25	—	3,792	3,792	0.22	0.38	5.63	3,917
2027	2.52	2.07	19.0	15.6	0.05	0.73	4.36	5.09	0.67	1.35	2.02	—	5,647	5,647	0.25	0.19	2.77	5,714
2028	0.88	0.72	4.29	10.8	0.01	0.13	1.85	1.97	0.12	0.44	0.56	—	3,272	3,272	0.09	0.10	5.94	3,309
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	2.54	2.08	19.5	15.8	0.05	0.75	4.36	5.11	0.69	1.35	2.04	—	5,663	5,663	0.25	0.20	0.08	5,728
2027	2.52	2.06	19.0	15.5	0.05	0.73	4.36	5.09	0.67	1.35	2.02	—	5,636	5,636	0.25	0.19	0.17	5,700
2028	163	162	9.62	22.6	0.04	0.31	2.35	2.66	0.29	0.56	0.85	—	6,163	6,163	0.20	0.19	0.19	6,225
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.39	0.29	2.97	3.12	0.01	0.08	2.19	2.27	0.08	0.37	0.45	—	1,684	1,684	0.09	0.12	0.84	1,724

2027	0.76	0.62	5.01	5.69	0.01	0.18	1.16	1.34	0.17	0.34	0.50	—	2,020	2,020	0.08	0.07	0.76	2,043
2028	9.47	9.35	3.28	7.65	0.01	0.10	1.28	1.37	0.09	0.30	0.39	—	2,365	2,365	0.07	0.11	1.79	2,400
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.07	0.05	0.54	0.57	< 0.005	0.02	0.40	0.42	0.01	0.07	0.08	—	279	279	0.01	0.02	0.14	285
2027	0.14	0.11	0.91	1.04	< 0.005	0.03	0.21	0.25	0.03	0.06	0.09	—	334	334	0.01	0.01	0.13	338
2028	1.73	1.71	0.60	1.40	< 0.005	0.02	0.23	0.25	0.02	0.06	0.07	—	392	392	0.01	0.02	0.30	397

2.3. Construction Emissions by Year, Mitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.40	0.22	4.25	8.52	0.03	0.05	7.36	7.41	0.05	1.15	1.20	—	3,792	3,792	0.22	0.38	5.63	3,917
2027	0.57	0.49	3.34	23.2	0.05	0.09	4.36	4.46	0.09	1.35	1.44	—	5,647	5,647	0.25	0.19	2.77	5,714
2028	0.61	0.50	1.85	12.2	0.01	0.04	1.85	1.88	0.03	0.44	0.47	—	3,202	3,202	0.09	0.10	5.94	3,239
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.57	0.50	3.43	23.2	0.05	0.09	4.36	4.46	0.09	1.35	1.44	—	5,663	5,663	0.25	0.20	0.08	5,728
2027	0.62	0.51	3.39	23.1	0.05	0.09	4.36	4.46	0.09	1.35	1.44	—	5,636	5,636	0.25	0.19	0.17	5,700
2028	35.5	35.3	4.60	28.5	0.04	0.11	2.35	2.46	0.11	0.56	0.67	—	6,093	6,093	0.20	0.19	0.19	6,154
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.18	0.12	1.73	5.15	0.01	0.02	2.19	2.21	0.02	0.37	0.40	—	1,684	1,684	0.09	0.12	0.84	1,724
2027	0.26	0.22	1.17	8.37	0.01	0.03	1.16	1.19	0.03	0.34	0.37	—	2,009	2,009	0.08	0.07	0.76	2,031
2028	2.32	2.25	1.47	8.88	0.01	0.03	1.28	1.30	0.03	0.30	0.33	—	2,317	2,317	0.07	0.10	1.79	2,352
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.03	0.02	0.32	0.94	< 0.005	< 0.005	0.40	0.40	< 0.005	0.07	0.07	—	279	279	0.01	0.02	0.14	285
2027	0.05	0.04	0.21	1.53	< 0.005	0.01	0.21	0.22	0.01	0.06	0.07	—	333	333	0.01	0.01	0.13	336

2028	0.42	0.41	0.27	1.62	< 0.005	0.01	0.23	0.24	0.01	0.06	0.06	—	384	384	0.01	0.02	0.30	389

3. Construction Emissions Details

3.1. Demolition & Site Remediation (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	0.29	2.14	3.28	0.01	0.07	—	0.07	0.07	—	0.07	—	1,266	1,266	0.05	0.01	—	1,271
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	1.07	1.07	< 0.005	0.11	0.11	—	11.3	11.3	< 0.005	< 0.005	0.02	11.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	0.29	2.14	3.28	0.01	0.07	—	0.07	0.07	—	0.07	—	1,266	1,266	0.05	0.01	—	1,271
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	1.07	1.07	< 0.005	0.11	0.11	—	11.3	11.3	< 0.005	< 0.005	< 0.005	11.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.17	0.14	1.03	1.58	0.01	0.03	—	0.03	0.03	—	0.03	—	611	611	0.02	< 0.005	—	613
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.49	0.49	< 0.005	0.05	0.05	—	5.44	5.44	< 0.005	< 0.005	< 0.005	5.72
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.19	0.29	< 0.005	0.01	—	0.01	0.01	—	0.01	—	101	101	< 0.005	< 0.005	—	101
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.09	0.09	< 0.005	0.01	0.01	—	0.90	0.90	< 0.005	< 0.005	< 0.005	0.95
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.66	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	163	163	< 0.005	0.01	0.57	165
Vendor	0.04	0.01	0.51	0.26	< 0.005	< 0.005	0.14	0.14	< 0.005	0.04	0.04	—	502	502	0.03	0.07	1.30	525
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.57	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	155	155	< 0.005	0.01	0.01	157
Vendor	0.04	0.01	0.53	0.26	< 0.005	< 0.005	0.14	0.14	< 0.005	0.04	0.04	—	502	502	0.03	0.07	0.03	524
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.28	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	75.7	75.7	< 0.005	< 0.005	0.12	76.7
Vendor	0.02	< 0.005	0.26	0.12	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	242	242	0.01	0.03	0.27	253
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.5	12.5	< 0.005	< 0.005	0.02	12.7
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	40.1	40.1	< 0.005	0.01	0.04	41.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.2. Demolition & Site Remediation (2026) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.13	1.47	6.61	0.01	0.02	—	0.02	0.02	—	0.02	—	1,266	1,266	0.05	0.01	—	1,271
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	1.07	1.07	< 0.005	0.11	0.11	—	11.3	11.3	< 0.005	< 0.005	0.02	11.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.13	1.47	6.61	0.01	0.02	—	0.02	0.02	—	0.02	—	1,266	1,266	0.05	0.01	—	1,271
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	1.07	1.07	< 0.005	0.11	0.11	—	11.3	11.3	< 0.005	< 0.005	< 0.005	11.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.06	0.06	0.71	3.19	0.01	0.01	—	0.01	0.01	—	0.01	—	611	611	0.02	< 0.005	—	613
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.49	0.49	< 0.005	0.05	0.05	—	5.44	5.44	< 0.005	< 0.005	< 0.005	5.72
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.13	0.58	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	101	101	< 0.005	< 0.005	—	101
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.09	0.09	< 0.005	0.01	0.01	—	0.90	0.90	< 0.005	< 0.005	< 0.005	0.95
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.66	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	163	163	< 0.005	0.01	0.57	165
Vendor	0.04	0.01	0.51	0.26	< 0.005	< 0.005	0.14	0.14	< 0.005	0.04	0.04	—	502	502	0.03	0.07	1.30	525
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.57	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	155	155	< 0.005	0.01	0.01	157
Vendor	0.04	0.01	0.53	0.26	< 0.005	< 0.005	0.14	0.14	< 0.005	0.04	0.04	—	502	502	0.03	0.07	0.03	524
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.28	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	75.7	75.7	< 0.005	< 0.005	0.12	76.7
Vendor	0.02	< 0.005	0.26	0.12	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	242	242	0.01	0.03	0.27	253
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.5	12.5	< 0.005	< 0.005	0.02	12.7
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	40.1	40.1	< 0.005	0.01	0.04	41.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Demolition Debris Haul (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Demolition	—	—	—	—	—	—	5.50	5.50	—	0.83	0.83	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Demolition	—	—	—	—	—	—	1.20	1.20	—	0.18	0.18	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Demolition	—	—	—	—	—	—	0.22	0.22	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.18	0.03	2.21	0.98	0.01	0.02	0.49	0.51	0.02	0.14	0.16	—	1,850	1,850	0.14	0.29	3.75	1,945
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.04	0.01	0.51	0.22	< 0.005	0.01	0.11	0.11	0.01	0.03	0.03	—	406	406	0.03	0.06	0.35	426
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	67.2	67.2	0.01	0.01	0.06	70.5

3.4. Demolition Debris Haul (2026) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Demolition	—	—	—	—	—	—	5.50	5.50	—	0.83	0.83	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Demolition	—	—	—	—	—	—	1.20	1.20	—	0.18	0.18	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Demolition	—	—	—	—	—	—	0.22	0.22	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.18	0.03	2.21	0.98	0.01	0.02	0.49	0.51	0.02	0.14	0.16	—	1,850	1,850	0.14	0.29	3.75	1,945
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.04	0.01	0.51	0.22	< 0.005	0.01	0.11	0.11	0.01	0.03	0.03	—	406	406	0.03	0.06	0.35	426
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	67.2	67.2	0.01	0.01	0.06	70.5

3.5. Site Remediation Soil Haul (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	< 0.005	0.34	0.15	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	286	286	0.02	0.05	0.58	300
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	< 0.005	0.35	0.15	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	286	286	0.02	0.05	0.01	300
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	23.5	23.5	< 0.005	< 0.005	0.02	24.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.89	3.89	< 0.005	< 0.005	< 0.005	4.08

3.6. Site Remediation Soil Haul (2026) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	< 0.005	0.34	0.15	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	286	286	0.02	0.05	0.58	300
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	< 0.005	0.35	0.15	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	286	286	0.02	0.05	0.01	300
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	23.5	23.5	< 0.005	< 0.005	0.02	24.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.89	3.89	< 0.005	< 0.005	< 0.005	4.08

3.7. Rough Grading (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	2.39	2.01	18.3	14.4	0.04	0.74	—	0.74	0.68	—	0.68	—	4,441	4,441	0.18	0.04	—	4,456
Dust From Material Movement	—	—	—	—	—	—	2.72	2.72	—	1.10	1.10	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	1.15	1.15	< 0.005	0.11	0.11	—	12.0	12.0	< 0.005	< 0.005	< 0.005	12.6
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	1.04	0.82	< 0.005	0.04	—	0.04	0.04	—	0.04	—	252	252	0.01	< 0.005	—	253
Dust From Material Movement	—	—	—	—	—	—	0.15	0.15	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.06	0.06	< 0.005	0.01	0.01	—	0.68	0.68	< 0.005	< 0.005	< 0.005	0.71
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.19	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	41.7	41.7	< 0.005	< 0.005	—	41.9
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.11	0.11	< 0.005	< 0.005	< 0.005	0.12
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.06	0.80	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	217	217	< 0.005	0.01	0.02	219
Vendor	0.03	0.01	0.40	0.20	< 0.005	< 0.005	0.10	0.11	< 0.005	0.03	0.03	—	377	377	0.02	0.05	0.03	393
Hauling	0.06	0.01	0.76	0.33	< 0.005	0.01	0.16	0.17	0.01	0.05	0.05	—	617	617	0.05	0.10	0.03	647
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.5	12.5	< 0.005	< 0.005	0.02	12.6
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21.4	21.4	< 0.005	< 0.005	0.02	22.3
Hauling	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	35.0	35.0	< 0.005	0.01	0.03	36.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.07	2.07	< 0.005	< 0.005	< 0.005	2.09
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.54	3.54	< 0.005	< 0.005	< 0.005	3.69
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.80	5.80	< 0.005	< 0.005	0.01	6.09

3.8. Rough Grading (2026) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	0.42	2.18	21.8	0.04	0.08	—	0.08	0.08	—	0.08	—	4,441	4,441	0.18	0.04	—	4,456

Dust From Material Movement	—	—	—	—	—	—	2.72	2.72	—	1.10	1.10	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	1.15	1.15	< 0.005	0.11	0.11	—	12.0	12.0	< 0.005	< 0.005	< 0.005	12.6
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.12	1.24	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	252	252	0.01	< 0.005	—	253
Dust From Material Movement	—	—	—	—	—	—	0.15	0.15	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.06	0.06	< 0.005	0.01	0.01	—	0.68	0.68	< 0.005	< 0.005	< 0.005	0.71
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.23	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	41.7	41.7	< 0.005	< 0.005	—	41.9
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.11	0.11	< 0.005	< 0.005	< 0.005	0.12
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.06	0.80	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	217	217	< 0.005	0.01	0.02	219

Vendor	0.03	0.01	0.40	0.20	< 0.005	< 0.005	0.10	0.11	< 0.005	0.03	0.03	—	377	377	0.02	0.05	0.03	393
Hauling	0.06	0.01	0.76	0.33	< 0.005	0.01	0.16	0.17	0.01	0.05	0.05	—	617	617	0.05	0.10	0.03	647
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.5	12.5	< 0.005	< 0.005	0.02	12.6
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21.4	21.4	< 0.005	< 0.005	0.02	22.3
Hauling	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	35.0	35.0	< 0.005	0.01	0.03	36.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.07	2.07	< 0.005	< 0.005	< 0.005	2.09
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.54	3.54	< 0.005	< 0.005	< 0.005	3.69
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.80	5.80	< 0.005	< 0.005	0.01	6.09

3.9. Rough Grading (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.38	2.00	17.8	14.2	0.04	0.72	—	0.72	0.66	—	0.66	—	4,437	4,437	0.18	0.04	—	4,452
Dust From Material Movement	—	—	—	—	—	—	2.72	2.72	—	1.10	1.10	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	1.15	1.15	< 0.005	0.11	0.11	—	11.7	11.7	< 0.005	< 0.005	0.02	12.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	2.38	2.00	17.8	14.2	0.04	0.72	—	0.72	0.66	—	0.66	—	4,437	4,437	0.18	0.04	—	4,452
Dust From Material Movement	—	—	—	—	—	—	2.72	2.72	—	1.10	1.10	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	1.15	1.15	< 0.005	0.11	0.11	—	11.7	11.7	< 0.005	< 0.005	< 0.005	12.3
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.45	0.38	3.38	2.70	0.01	0.14	—	0.14	0.13	—	0.13	—	842	842	0.03	0.01	—	845
Dust From Material Movement	—	—	—	—	—	—	0.52	0.52	—	0.21	0.21	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.21	0.21	< 0.005	0.02	0.02	—	2.23	2.23	< 0.005	< 0.005	< 0.005	2.34
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.08	0.07	0.62	0.49	< 0.005	0.02	—	0.02	0.02	—	0.02	—	139	139	0.01	< 0.005	—	140
Dust From Material Movement	—	—	—	—	—	—	0.09	0.09	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	—	0.37	0.37	< 0.005	< 0.005	< 0.005	0.39
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.87	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	224	224	< 0.005	0.01	0.71	227
Vendor	0.03	0.01	0.37	0.18	< 0.005	< 0.005	0.10	0.11	< 0.005	0.03	0.03	—	369	369	0.02	0.05	0.88	386

Hauling	0.06	0.01	0.71	0.32	< 0.005	0.01	0.16	0.17	0.01	0.05	0.05	—	605	605	0.05	0.10	1.15	636
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.74	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	213	213	< 0.005	0.01	0.02	216
Vendor	0.03	0.01	0.38	0.19	< 0.005	< 0.005	0.10	0.11	< 0.005	0.03	0.03	—	370	370	0.02	0.05	0.02	385
Hauling	0.06	0.01	0.74	0.32	< 0.005	0.01	0.16	0.17	0.01	0.05	0.05	—	605	605	0.05	0.10	0.03	635
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	41.0	41.0	< 0.005	< 0.005	0.06	41.6
Vendor	0.01	< 0.005	0.07	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	70.1	70.1	< 0.005	0.01	0.07	73.2
Hauling	0.01	< 0.005	0.14	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	115	115	0.01	0.02	0.09	121
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.79	6.79	< 0.005	< 0.005	0.01	6.88
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.6	11.6	< 0.005	< 0.005	0.01	12.1
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19.0	19.0	< 0.005	< 0.005	0.02	20.0

3.10. Rough Grading (2027) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	0.42	2.18	21.8	0.04	0.08	—	0.08	0.08	—	0.08	—	4,437	4,437	0.18	0.04	—	4,452
Dust From Material Movement	—	—	—	—	—	—	2.72	2.72	—	1.10	1.10	—	—	—	—	—	—	—

Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	1.15	1.15	< 0.005	0.11	0.11	—	11.7	11.7	< 0.005	< 0.005	0.02	12.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	0.42	2.18	21.8	0.04	0.08	—	0.08	0.08	—	0.08	—	4,437	4,437	0.18	0.04	—	4,452
Dust From Material Movement	—	—	—	—	—	—	2.72	2.72	—	1.10	1.10	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	1.15	1.15	< 0.005	0.11	0.11	—	11.7	11.7	< 0.005	< 0.005	< 0.005	12.3
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.08	0.41	4.14	0.01	0.02	—	0.02	0.02	—	0.02	—	842	842	0.03	0.01	—	845
Dust From Material Movement	—	—	—	—	—	—	0.52	0.52	—	0.21	0.21	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.21	0.21	< 0.005	0.02	0.02	—	2.23	2.23	< 0.005	< 0.005	< 0.005	2.34
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.76	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	139	139	0.01	< 0.005	—	140
Dust From Material Movement	—	—	—	—	—	—	0.09	0.09	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	—	0.37	0.37	< 0.005	< 0.005	< 0.005	0.39

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.87	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	224	224	< 0.005	0.01	0.71	227
Vendor	0.03	0.01	0.37	0.18	< 0.005	< 0.005	0.10	0.11	< 0.005	0.03	0.03	—	369	369	0.02	0.05	0.88	386
Hauling	0.06	0.01	0.71	0.32	< 0.005	0.01	0.16	0.17	0.01	0.05	0.05	—	605	605	0.05	0.10	1.15	636
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.74	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	213	213	< 0.005	0.01	0.02	216
Vendor	0.03	0.01	0.38	0.19	< 0.005	< 0.005	0.10	0.11	< 0.005	0.03	0.03	—	370	370	0.02	0.05	0.02	385
Hauling	0.06	0.01	0.74	0.32	< 0.005	0.01	0.16	0.17	0.01	0.05	0.05	—	605	605	0.05	0.10	0.03	635
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	41.0	41.0	< 0.005	< 0.005	0.06	41.6
Vendor	0.01	< 0.005	0.07	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	70.1	70.1	< 0.005	0.01	0.07	73.2
Hauling	0.01	< 0.005	0.14	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	115	115	0.01	0.02	0.09	121
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.79	6.79	< 0.005	< 0.005	0.01	6.88
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.6	11.6	< 0.005	< 0.005	0.01	12.1
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19.0	19.0	< 0.005	< 0.005	0.02	20.0

3.11. 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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	0.36	3.47	4.46	0.01	0.13	—	0.13	0.12	—	0.12	—	1,077	1,077	0.04	0.01	—	1,081
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.57	0.73	< 0.005	0.02	—	0.02	0.02	—	0.02	—	177	177	0.01	< 0.005	—	178
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	29.3	29.3	< 0.005	< 0.005	—	29.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.43	0.37	0.39	5.48	0.00	0.00	1.68	1.68	0.00	0.39	0.39	—	1,570	1,570	0.02	0.06	0.14	1,589
Vendor	0.05	0.01	0.61	0.30	< 0.005	< 0.005	0.16	0.17	< 0.005	0.05	0.05	—	589	589	0.03	0.08	0.04	614
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.07	0.06	0.07	0.94	0.00	0.00	0.27	0.27	0.00	0.06	0.06	—	262	262	< 0.005	0.01	0.37	265
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	96.9	96.9	< 0.005	0.01	0.10	101
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.17	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	43.3	43.3	< 0.005	< 0.005	0.06	43.9
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	16.0	16.0	< 0.005	< 0.005	0.02	16.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Building Construction (2027) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.14	0.97	5.89	0.01	0.03	—	0.03	0.03	—	0.03	—	1,007	1,007	0.04	0.01	—	1,010
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.16	0.97	< 0.005	0.01	—	0.01	0.01	—	0.01	—	165	165	0.01	< 0.005	—	166
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	< 0.005	< 0.005	0.03	0.18	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	27.4	27.4	< 0.005	< 0.005	—	27.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.43	0.37	0.39	5.48	0.00	0.00	1.68	1.68	0.00	0.39	0.39	—	1,570	1,570	0.02	0.06	0.14	1,589
Vendor	0.05	0.01	0.61	0.30	< 0.005	< 0.005	0.16	0.17	< 0.005	0.05	0.05	—	589	589	0.03	0.08	0.04	614
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	0.94	0.00	0.00	0.27	0.27	0.00	0.06	0.06	—	262	262	< 0.005	0.01	0.37	265
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	96.9	96.9	< 0.005	0.01	0.10	101
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.17	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	43.3	43.3	< 0.005	< 0.005	0.06	43.9
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	16.0	16.0	< 0.005	< 0.005	0.02	16.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Building Construction (2028) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.42	0.36	3.39	4.46	0.01	0.12	—	0.12	0.11	—	0.11	—	1,076	1,076	0.04	0.01	—	1,080
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.42	0.36	3.39	4.46	0.01	0.12	—	0.12	0.11	—	0.11	—	1,076	1,076	0.04	0.01	—	1,080
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.29	0.24	2.32	3.05	0.01	0.08	—	0.08	0.08	—	0.08	—	737	737	0.03	0.01	—	740
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.05	0.04	0.42	0.56	< 0.005	0.02	—	0.02	0.01	—	0.01	—	122	122	< 0.005	< 0.005	—	122
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.42	0.36	0.33	6.01	0.00	0.00	1.68	1.68	0.00	0.39	0.39	—	1,621	1,621	0.02	0.01	4.68	1,628
Vendor	0.04	0.01	0.56	0.28	< 0.005	< 0.005	0.16	0.17	< 0.005	0.05	0.05	—	575	575	0.03	0.08	1.27	601
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.41	0.35	0.39	5.16	0.00	0.00	1.68	1.68	0.00	0.39	0.39	—	1,542	1,542	0.02	0.06	0.12	1,561
Vendor	0.04	0.01	0.59	0.29	< 0.005	< 0.005	0.16	0.17	< 0.005	0.05	0.05	—	576	576	0.03	0.08	0.03	600
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.24	0.27	3.70	0.00	0.00	1.14	1.14	0.00	0.27	0.27	—	1,071	1,071	0.01	0.04	1.38	1,085
Vendor	0.03	0.01	0.40	0.20	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	394	394	0.02	0.06	0.38	412
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.05	0.67	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	177	177	< 0.005	0.01	0.23	180
Vendor	0.01	< 0.005	0.07	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	65.3	65.3	< 0.005	0.01	0.06	68.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Building Construction (2028) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.14	0.95	5.90	0.01	0.03	—	0.03	0.03	—	0.03	—	1,006	1,006	0.04	0.01	—	1,009
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.15	0.14	0.95	5.90	0.01	0.03	—	0.03	0.03	—	0.03	—	1,006	1,006	0.04	0.01	—	1,009
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.10	0.09	0.65	4.04	0.01	0.02	—	0.02	0.02	—	0.02	—	689	689	0.03	0.01	—	691
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.02	0.02	0.12	0.74	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	114	114	< 0.005	< 0.005	—	114
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.42	0.36	0.33	6.01	0.00	0.00	1.68	1.68	0.00	0.39	0.39	—	1,621	1,621	0.02	0.01	4.68	1,628
Vendor	0.04	0.01	0.56	0.28	< 0.005	< 0.005	0.16	0.17	< 0.005	0.05	0.05	—	575	575	0.03	0.08	1.27	601
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.41	0.35	0.39	5.16	0.00	0.00	1.68	1.68	0.00	0.39	0.39	—	1,542	1,542	0.02	0.06	0.12	1,561
Vendor	0.04	0.01	0.59	0.29	< 0.005	< 0.005	0.16	0.17	< 0.005	0.05	0.05	—	576	576	0.03	0.08	0.03	600
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.29	0.24	0.27	3.70	0.00	0.00	1.14	1.14	0.00	0.27	0.27	—	1,071	1,071	0.01	0.04	1.38	1,085
Vendor	0.03	0.01	0.40	0.20	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	394	394	0.02	0.06	0.38	412
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.05	0.67	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	177	177	< 0.005	0.01	0.23	180
Vendor	0.01	< 0.005	0.07	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	65.3	65.3	< 0.005	0.01	0.06	68.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Asphalt Paving (2028) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	0.51	3.70	9.67	0.02	0.15	—	0.15	0.14	—	0.14	—	2,277	2,277	0.09	0.02	—	2,284
Paving	0.40	0.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.20	0.53	< 0.005	0.01	—	0.01	0.01	—	0.01	—	125	125	0.01	< 0.005	—	125
Paving	0.02	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.04	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	20.7	20.7	< 0.005	< 0.005	—	20.7
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.04	0.50	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	150	150	< 0.005	0.01	0.01	151
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.31	8.31	< 0.005	< 0.005	0.01	8.42
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.38	1.38	< 0.005	< 0.005	< 0.005	1.39
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.16. Asphalt Paving (2028) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	1.12	14.1	0.02	0.04	—	0.04	0.04	—	0.04	—	2,277	2,277	0.09	0.02	—	2,284
Paving	0.40	0.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.77	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	125	125	0.01	< 0.005	—	125
Paving	0.02	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	20.7	20.7	< 0.005	< 0.005	—	20.7
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.04	0.50	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	150	150	< 0.005	0.01	0.01	151
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.31	8.31	< 0.005	< 0.005	0.01	8.42
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.38	1.38	< 0.005	< 0.005	< 0.005	1.39
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.17. Architectural Coating (2028) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.19	0.16	1.43	1.53	< 0.005	0.03	—	0.03	0.03	—	0.03	—	234	234	0.01	< 0.005	—	235
Architectural Coatings	160	160	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.8	12.8	< 0.005	< 0.005	—	12.9
Architectural Coatings	8.79	8.79	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.13	2.13	< 0.005	< 0.005	—	2.13
Architectural Coatings	1.60	1.60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.07	0.08	1.03	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	308	308	< 0.005	0.01	0.02	312
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.1	17.1	< 0.005	< 0.005	0.02	17.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.84	2.84	< 0.005	< 0.005	< 0.005	2.87
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.18. Architectural Coating (2028) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.43	1.53	< 0.005	0.03	—	0.03	0.03	—	0.03	—	234	234	0.01	< 0.005	—	235

Architectural Coating	33.9	33.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.8	12.8	< 0.005	< 0.005	—	12.9
Architectural Coatings	1.86	1.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.13	2.13	< 0.005	< 0.005	—	2.13
Architectural Coatings	0.34	0.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.07	0.08	1.03	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	308	308	< 0.005	0.01	0.02	312
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.1	17.1	< 0.005	< 0.005	0.02	17.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.84	2.84	< 0.005	< 0.005	< 0.005	2.87
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.19. Infrastructure (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.27	1.77	2.36	0.01	0.06	—	0.06	0.06	—	0.06	—	1,022	1,022	0.04	0.01	—	1,025
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.27	1.77	2.36	0.01	0.06	—	0.06	0.06	—	0.06	—	1,022	1,022	0.04	0.01	—	1,025
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.64	0.85	< 0.005	0.02	—	0.02	0.02	—	0.02	—	370	370	0.01	< 0.005	—	371
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.12	0.16	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	61.2	61.2	< 0.005	< 0.005	—	61.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.49	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	128	128	< 0.005	< 0.005	0.41	130
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.43	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	122	122	< 0.005	< 0.005	0.01	123
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.16	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	44.7	44.7	< 0.005	< 0.005	0.06	45.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.39	7.39	< 0.005	< 0.005	0.01	7.49
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.20. Infrastructure (2027) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.10	0.50	5.15	0.01	0.02	—	0.02	0.02	—	0.02	—	1,022	1,022	0.04	0.01	—	1,025
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.10	0.50	5.15	0.01	0.02	—	0.02	0.02	—	0.02	—	1,022	1,022	0.04	0.01	—	1,025
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.18	1.86	< 0.005	0.01	—	0.01	0.01	—	0.01	—	370	370	0.01	< 0.005	—	371
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.03	0.34	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	61.2	61.2	< 0.005	< 0.005	—	61.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.49	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	128	128	< 0.005	< 0.005	0.41	130
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.43	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	122	122	< 0.005	< 0.005	0.01	123
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.16	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	44.7	44.7	< 0.005	< 0.005	0.06	45.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.39	7.39	< 0.005	< 0.005	0.01	7.49
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

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 & Site Remediation	Demolition	4/1/2026	12/2/2026	5.00	176	—
Demolition Debris Haul	Demolition	4/1/2026	7/21/2026	5.00	80.0	—
Site Remediation Soil Haul	Site Preparation	7/22/2026	12/2/2026	5.00	30.0	—
Rough Grading	Grading	12/3/2026	4/7/2027	5.00	90.0	—
Building Construction	Building Construction	10/9/2027	12/15/2028	5.00	310	—
Asphalt Paving	Paving	11/18/2028	12/15/2028	5.00	20.0	—
Architectural Coating	Architectural Coating	11/18/2028	12/15/2028	5.00	20.0	—
Infrastructure	Trenching	4/8/2027	10/8/2027	5.00	132	—

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 & Site Remediation	Excavators	Diesel	Average	1.00	2.96	308	0.38
Demolition & Site Remediation	Skid Steer Loaders	Diesel	Average	2.00	2.96	65.0	0.40
Demolition & Site Remediation	Excavators	Diesel	Average	1.00	2.96	215	0.38
Demolition & Site Remediation	Excavators	Diesel	Average	1.00	2.96	308	0.38
Rough Grading	Scrapers	Diesel	Average	4.00	3.12	447	0.37
Rough Grading	Rubber Tired Dozers	Diesel	Average	1.00	3.12	347	0.38
Rough Grading	Rubber Tired Dozers	Diesel	Average	1.00	3.12	405	0.40
Rough Grading	Graders	Diesel	Average	1.00	3.12	648	0.41
Building Construction	Trenchers	Diesel	Average	1.00	1.71	367	0.50

Building Construction	Pumps	Diesel	Average	1.00	1.71	82.0	0.20
Building Construction	Other Material Handling Equipment	Diesel	Average	2.00	1.71	93.0	0.40
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	1.71	84.0	0.37
Building Construction	Trenchers	Diesel	Average	1.00	1.71	367	0.50
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	1.71	84.0	0.37
Building Construction	Pumps	Diesel	Average	1.00	1.71	82.0	0.20
Asphalt Paving	Pavers	Diesel	Average	1.00	8.00	225	0.42
Asphalt Paving	Rubber Tired Loaders	Diesel	Average	1.00	8.00	100	0.36
Asphalt Paving	Rollers	Diesel	Average	3.00	8.00	100	0.38
Architectural Coating	Pumps	Diesel	Average	1.00	8.00	37.0	0.48
Architectural Coating	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Infrastructure	Excavators	Diesel	Average	1.00	3.08	273	0.38
Infrastructure	Excavators	Diesel	Average	1.00	2.28	273	0.38
Infrastructure	Rubber Tired Loaders	Diesel	Average	1.00	3.08	249	0.36
Infrastructure	Tractors/Loaders/Backhoes	Diesel	Average	1.00	1.17	107	0.37

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition & Site Remediation	Excavators	Diesel	Tier 4 Final	1.00	2.96	308	0.38
Demolition & Site Remediation	Skid Steer Loaders	Diesel	Tier 4 Final	2.00	2.96	65.0	0.40
Demolition & Site Remediation	Excavators	Diesel	Tier 4 Final	1.00	2.96	215	0.38
Demolition & Site Remediation	Excavators	Diesel	Tier 4 Final	1.00	2.96	308	0.38

Rough Grading	Scrapers	Diesel	Tier 4 Final	4.00	3.12	447	0.37
Rough Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	3.12	347	0.38
Rough Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	3.12	405	0.40
Rough Grading	Graders	Diesel	Tier 4 Final	1.00	3.12	648	0.41
Building Construction	Trenchers	Diesel	Tier 4 Final	1.00	1.71	367	0.50
Building Construction	Pumps	Diesel	Tier 4 Final	1.00	1.71	82.0	0.20
Building Construction	Other Material Handling Equipment	Diesel	Average	2.00	1.71	93.0	0.40
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	1.71	84.0	0.37
Building Construction	Trenchers	Diesel	Tier 4 Final	1.00	1.71	367	0.50
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	1.71	84.0	0.37
Building Construction	Pumps	Diesel	Tier 4 Final	1.00	1.71	82.0	0.20
Asphalt Paving	Pavers	Diesel	Tier 4 Final	1.00	8.00	225	0.42
Asphalt Paving	Rubber Tired Loaders	Diesel	Tier 4 Final	1.00	8.00	100	0.36
Asphalt Paving	Rollers	Diesel	Tier 4 Final	3.00	8.00	100	0.38
Architectural Coating	Pumps	Diesel	Average	1.00	8.00	37.0	0.48
Architectural Coating	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Infrastructure	Excavators	Diesel	Tier 4 Final	1.00	3.08	273	0.38
Infrastructure	Excavators	Diesel	Tier 4 Final	1.00	2.28	273	0.38
Infrastructure	Rubber Tired Loaders	Diesel	Tier 4 Final	1.00	3.08	249	0.36
Infrastructure	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	1.17	107	0.37

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix

Demolition & Site Remediation	—	—	—	—
Demolition & Site Remediation	Worker	12.5	18.5	LDA,LDT1,LDT2
Demolition & Site Remediation	Vendor	16.0	10.2	HHDT,MHDT
Demolition & Site Remediation	Hauling	0.00	20.0	HHDT
Demolition & Site Remediation	Onsite truck	1.00	2.89	HHDT
Demolition Debris Haul	—	—	—	—
Demolition Debris Haul	Worker	0.00	18.5	LDA,LDT1,LDT2
Demolition Debris Haul	Vendor	—	10.2	HHDT,MHDT
Demolition Debris Haul	Hauling	27.0	20.0	HHDT
Demolition Debris Haul	Onsite truck	—	—	HHDT
Site Remediation Soil Haul	—	—	—	—
Site Remediation Soil Haul	Worker	0.00	18.5	LDA,LDT1,LDT2
Site Remediation Soil Haul	Vendor	—	10.2	HHDT,MHDT
Site Remediation Soil Haul	Hauling	4.17	20.0	HHDT
Site Remediation Soil Haul	Onsite truck	—	—	HHDT
Rough Grading	—	—	—	—
Rough Grading	Worker	17.5	18.5	LDA,LDT1,LDT2
Rough Grading	Vendor	12.0	10.2	HHDT,MHDT
Rough Grading	Hauling	9.00	20.0	HHDT
Rough Grading	Onsite truck	1.00	3.09	HHDT
Asphalt Paving	—	—	—	—
Asphalt Paving	Worker	12.5	18.5	LDA,LDT1,LDT2
Asphalt Paving	Vendor	—	10.2	HHDT,MHDT
Asphalt Paving	Hauling	0.00	20.0	HHDT
Asphalt Paving	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	129	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	19.1	10.2	HHDT,MHDT

Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	25.8	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
Infrastructure	—	—	—	—
Infrastructure	Worker	10.0	18.5	LDA,LDT1,LDT2
Infrastructure	Vendor	—	10.2	HHDT,MHDT
Infrastructure	Hauling	0.00	20.0	HHDT
Infrastructure	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition & Site Remediation	—	—	—	—
Demolition & Site Remediation	Worker	12.5	18.5	LDA,LDT1,LDT2
Demolition & Site Remediation	Vendor	16.0	10.2	HHDT,MHDT
Demolition & Site Remediation	Hauling	0.00	20.0	HHDT
Demolition & Site Remediation	Onsite truck	1.00	2.89	HHDT
Demolition Debris Haul	—	—	—	—
Demolition Debris Haul	Worker	0.00	18.5	LDA,LDT1,LDT2
Demolition Debris Haul	Vendor	—	10.2	HHDT,MHDT
Demolition Debris Haul	Hauling	27.0	20.0	HHDT
Demolition Debris Haul	Onsite truck	—	—	HHDT
Site Remediation Soil Haul	—	—	—	—
Site Remediation Soil Haul	Worker	0.00	18.5	LDA,LDT1,LDT2
Site Remediation Soil Haul	Vendor	—	10.2	HHDT,MHDT

Site Remediation Soil Haul	Hauling	4.17	20.0	HHDT
Site Remediation Soil Haul	Onsite truck	—	—	HHDT
Rough Grading	—	—	—	—
Rough Grading	Worker	17.5	18.5	LDA,LDT1,LDT2
Rough Grading	Vendor	12.0	10.2	HHDT,MHDT
Rough Grading	Hauling	9.00	20.0	HHDT
Rough Grading	Onsite truck	1.00	3.09	HHDT
Asphalt Paving	—	—	—	—
Asphalt Paving	Worker	12.5	18.5	LDA,LDT1,LDT2
Asphalt Paving	Vendor	—	10.2	HHDT,MHDT
Asphalt Paving	Hauling	0.00	20.0	HHDT
Asphalt Paving	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	129	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	19.1	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	25.8	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
Infrastructure	—	—	—	—
Infrastructure	Worker	10.0	18.5	LDA,LDT1,LDT2
Infrastructure	Vendor	—	10.2	HHDT,MHDT
Infrastructure	Hauling	0.00	20.0	HHDT
Infrastructure	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%
Sweep paved roads once per month	9%	9%

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	1,023,162	341,054	0.00	0.00	10,007

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 (sq. ft.)	Acres Paved (acres)
Demolition & Site Remediation	0.00	0.00	0.00	—	—
Demolition Debris Haul	0.00	0.00	0.00	20,800	—
Site Remediation Soil Haul	—	1,000	0.00	0.00	—
Rough Grading	—	7,921	591	0.00	—
Asphalt Paving	0.00	0.00	0.00	0.00	3.83

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Condo/Townhouse High Rise	—	0%
Other Non-Asphalt Surfaces	0.81	0%
Other Asphalt Surfaces	3.02	100%

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	532	0.03	< 0.005
2027	0.00	532	0.03	< 0.005
2028	0.00	532	0.03	< 0.005

8. User Changes to Default Data

Screen	Justification
Land Use	Adjusted to match project description
Construction: Construction Phases	Adjusted based on workdays provided by applicant
Construction: Off-Road Equipment	Adjusted to include applicant-provided equipment
Construction: Trips and VMT	Adjusted to match off-model calculation of demolition debris and soil export haul trips
Construction: Architectural Coatings	Mitigation to reduce VOC coatings
Construction: Dust From Material Movement	Updated based on applicant-provided information

Construction HRA Emissions Worksheet:

Unmitigated scenario

		PM10 Exhaust Lbs/Year	Total Workdays	Lbs/Day
ONSITE				
	2026	2.78E+01	197	1.41E-01
	2027	6.58E+01	261	2.52E-01
	2028	3.43E+01	250	1.37E-01
OFFSITE				
	2026	2.89E+00	197	1.47E-02
	2027	1.00E+00	261	3.85E-03
	2028	1.08E+00	250	4.30E-03

3.1. Demolition & Site Remediation (2026) - Unmitigated

		PM10 Exhaust	
Onsite		Annual (lbs)	Days Per Year
	Off-Road	**12.480**	176.00
Offsite			
	Mobile Exhaust	**0.656**	

3.3. Demolition Debris Haul (2026) - Unmitigated

		PM10 Exhaust	
Onsite			Days Per Year
	Total	**0.00**	80.00
Offsite			
	Mobile Exhaust	**1.905**	

3.5. Site Remediation Soil Haul (2026) - Unmitigated

		PM10 Exhaust	
Onsite			Days Per Year
	Off-Road	**0.00**	30.00
Offsite			
	Mobile Exhaust	**0.110**	

3.7. Rough Grading (2026) - Unmitigated

		PM10 Exhaust	
Onsite			Days Per Year
	Off-Road	**15.300**	21.00
Offsite			
	Mobile Exhaust	**0.223**	

3.9. Rough Grading (2027) - Unmitigated

		PM10 Exhaust	
Onsite			Days Per Year
	Off-Road	**49.91**	69.00
Offsite			
	Mobile Exhaust	**0.746**	

3.11. Building Construction (2027) - Unmitigated

		PM10 Exhaust	
Onsite			Days Per Year
	Off-Road	**7.641**	60.00
Offsite			
	Mobile Exhaust	**0.258**	

3.13. Building Construction (2028) - Unmitigated			
		PM10 Exhaust	
Onsite			Days Per Year
	Off-Road	**30.580**	250.00
Offsite			
	Mobile Exhaust	**1.076**	
3.15. Asphalt Paving (2028) - Unmitigated			
		PM10 Exhaust	
Onsite			Days Per Year
	Off-Road	**3.039**	20.00
Offsite			
	Mobile Exhaust	**0.000**	
3.17. Architectural Coating (2028) - Unmitigated			
		PM10 Exhaust	
Onsite			Days Per Year
	Off-Road	**0.678**	20.00
Offsite			
	Mobile Exhaust	**0.000**	
3.19. Infrastructure (2027) - Unmitigated			
		PM10 Exhaust	
Onsite			Days Per Year
	Off-Road	**8.203**	132.00
Offsite			
	Mobile Exhaust	**0.000**	

Construction HRA Emissions Worksheet:
with MM AQ-2, Tier 4 Final >50hp, except Telebelts

		PM10 Exhaust Lbs/Year	Total Workdays	Lbs/Day
ONSITE				
	2026	5.96E+00	197	3.03E-02
	2027	1.04E+01	261	3.97E-02
	2028	9.09E+00	250	3.64E-02
OFFSITE				
	2026	2.89E+00	197	1.47E-02
	2027	1.00E+00	261	3.85E-03
	2028	1.08E+00	250	4.30E-03

3.2. Demolition & Site Remediation (2026) - Mitigated		
	PM10 Exhaust	
Onsite	Annual (lbs)	Days Per Year
Off-Road	**4.224**	176.00
Offsite		
Mobile Exhaust	**0.656**	

3.4. Demolition Debris Haul (2026) - Mitigated		
	PM10 Exhaust	
Onsite		Days Per Year
Total	**0.00**	80.00
Offsite		
Mobile Exhaust	**1.905**	

3.6. Site Remediation Soil Haul (2026) - Mitigated		
	PM10 Exhaust	
Onsite		Days Per Year
Off-Road	**0.00**	30.00
Offsite		
Mobile Exhaust	**0.110**	

3.8. Rough Grading (2026) - Mitigated		
	PM10 Exhaust	
Onsite		Days Per Year
Off-Road	**1.740**	21.00
Offsite		
Mobile Exhaust	**0.223**	

3.10. Rough Grading (2027) - Mitigated		
	PM10 Exhaust	
Onsite		Days Per Year
Off-Road	**5.818**	69.00
Offsite		
Mobile Exhaust	**0.746**	

3.12. Building Construction (2027) - Mitigated		
	PM10 Exhaust	
Onsite		Days Per Year
Off-Road	**1.981**	60.00
Offsite		
Mobile Exhaust	**0.258**	

3.14. Building Construction (2028) - Mitigated		
	PM10 Exhaust	
Onsite		Days Per Year
Off-Road	**7.844**	250.00
Offsite		
Mobile Exhaust	**1.076**	

3.16. Asphalt Paving (2028) - Mitigated		
	PM10 Exhaust	
Onsite		Days Per Year
Off-Road	**0.862**	20.00
Offsite		
Mobile Exhaust	**0.000**	

3.18. Architectural Coating (2028) - Mitigated		
	PM10 Exhaust	
Onsite		Days Per Year
Off-Road	**0.384**	20.00
Offsite		
Mobile Exhaust	**0.000**	

3.20. Infrastructure (2027) - Mitigated		
	PM10 Exhaust	
Onsite		Days Per Year
Off-Road	**2.556**	132.00
Offsite		
Mobile Exhaust	**0.000**	

Receptor Risl Single Family Residence — Unmitigated Construction

Receptor: R-020, UTM 418557.54, 3753013.99

Receptor Information

HRA Receptor		Receptor Risk Information					
Name	Type	Start Age	Daily Breathing Rate	Fraction of Time at Home	Averaging Time	Inhalation Absorption Factor	Pollutant
Single Family Residence	Residential	0>2 Years	24-Hour	Yes	30 Years	1	Diesel Particulate Matter

Schedule and Duration

Activity Schedule Information							
Year	Start Date	End Date	Workday Duration	Seconds/Day	Construction Workday	Annual Workdays	Annual Duration
2026	4/1/2026	12/31/2026	8 Hours/Day	28,800	197	261	0.75
2027	1/1/2027	12/31/2027	8 Hours/Day	28,800	261	261	1.00
2028	1/1/2028	12/15/2028	8 Hours/Day	28,800	250	260	0.96
						Total	2.72

Assumptions:

Exposure Duration (ED) is derived by dividing project workdays by total annual workdays (261), assuming 5 workdays a week.

Pollutant Emission Rates and Concentrations

Year	Emission Rates		AERMOD Pollutant		Calculated Pollutant Concentration		
	On-site Emission Rate (lbs/day)	Off-site Emission Rate (lbs/day)	On-site Concentration	Off-site Concentration	On-site Concentration	Off-site Concentration	Total Concentration (ug/m3)
2026	1.41E-01	1.47E-02	1.42E+01	6.15E-01	3.14E-02	3.56E-06	3.15E-02
2027	2.52E-01	3.85E-03	1.42E+01	6.15E-01	5.62E-02	9.31E-07	5.62E-02
2028	1.37E-01	4.30E-03	1.42E+01	6.15E-01	3.06E-02	1.04E-06	3.06E-02
Off-site Haul Distance:	0.50	miles			Reference Exposure Limit (REL):		5.0
Default Haul Distance:	20	miles			Hazard Index:		0.011

Exposure Durations

Year	Age-Dependent Exposure Duration						
	Age Bin: 3rd Trimester>0 Years	Age Bin: 0>2 Years	Age Bin: 2>9 Years	Age Bin: 9>16 Years	Age Bin: 16>30 Years	Age Bin: 30>70+ Years	Total Duration
2026	0.25	0.50					0.75
2027	n/a	1.00					1.00
2028		0.50	0.47				0.96
Total	0.25	2.00	0.47				2.72

Daily Breathing Rates

Year	DBR						
	Age Bin: 3rd Trimester>0 Years	Age Bin: 0>2 Years	Age Bin: 2>9 Years	Age Bin: 9>16 Years	Age Bin: 16>30 Years	Age Bin: 30>70+ Years	Total
2026	361	1090					1451
2027	n/a	1090					1090
2028		1090	861				1951

Receptor Risk Results

Year	Risk Per Individual By Age						Calculated Risk
	Age Bin: 3rd Trimester>0 Years	Age Bin: 0>2 Years	Age Bin: 2>9 Years	Age Bin: 9>16 Years	Age Bin: 16>30 Years	Age Bin: 30>70+ Years	Risk/Million
2026	8.48E-07	5.17E-06					6.02
2027	n/a	1.83E-05					18.30
2028		4.94E-06	9.33E-07				5.87
						TOTAL RISK:	30.19

Receptor Risk Nearby Employees

Unmitigated Construction

Receptor: W-076, UTM 418548.56, 3752855.77

Receptor Information

HRA Receptor		Receptor Risk Information					
Name	Type	Start Age	Daily Breathing Rate	Fraction of Time at Home	Averaging Time	Inhalation Absorption Factor	Pollutant
Nearby Employees	Worker	16+	8-Hour	No	70 Years	1	Diesel Particulate Matter

Schedule and Duration

Activity Schedule Information							
Year	Start Date	End Date	Workday Duration	Seconds/Day	Calendar Days	Workdays	Annual Duration
2026	4/1/2026	12/31/2026	8 Hours/Day	28,800	274	197	0.76
2027	1/1/2027	12/31/2027	8 Hours/Day	28,800	364	261	1.00
2028	1/1/2028	12/15/2028	8 Hours/Day	28,800	349	250	0.96

Assumptions:

Exposure Duration (ED) is derived by dividing project workdays by total annual workdays, assuming 5 workdays a week.

Pollutant Emission Rates and Concentrations

Year	Emission Rates		AERMOD Pollutant		Calculated Pollutant Concentration		
	On-site Emission Rate (lbs/day)	Off-site Emission Rate (lbs/day)	On-site Concentration	Off-site Concentration	On-site Concentration	Off-site Concentration	Total Concentration (ug/m3)
2026	1.41E-01	1.47E-02	5.34E+00	1.41E+00	1.19E-02	8.12E-06	1.19E-02
2027	2.52E-01	3.85E-03	5.34E+00	1.41E+00	2.12E-02	2.13E-06	2.12E-02
2028	1.37E-01	4.30E-03	5.34E+00	1.41E+00	1.15E-02	2.38E-06	1.15E-02

Off-site Haul Distance:	0.50	miles	Reference Exposure Limit (REL):	5.0
Default Haul Distance:	20	miles	Hazard Index:	0.000

Exposure Durations

Year	Age-Dependent Exposure Duration						
	Age Bin: 3rd Trimester>0 Years	Age Bin: 0>2 Years	Age Bin: 2>9 Years	Age Bin: 9>16 Years	Age Bin: 16>30 Years	Age Bin: 30>70+ Years	Total Duration
2026	0.00	0.00	0.00	0.00	0.76	0.00	0.76
2027	0.00	0.00	0.00	0.00	1.00	0.00	1.00
2028	0.00	0.00	0.00	0.00	0.96	0.00	0.96

Daily Breathing Rates

Year	DBR						
	Age Bin: 3rd Trimester>0 Years	Age Bin: 0>2 Years	Age Bin: 2>9 Years	Age Bin: 9>16 Years	Age Bin: 16>30 Years	Age Bin: 30>70+ Years	Total
2026					240		240
2027					240		240
2028					240		240.00

Receptor Risk Results

Year	Risk Per Individual By Age						Calculated Risk
	Age Bin: 3rd Trimester>0 Years	Age Bin: 0>2 Years	Age Bin: 2>9 Years	Age Bin: 9>16 Years	Age Bin: 16>30 Years	Age Bin: 30>70+ Years	Risk/Million
2026					2.32E-08		0.02
2027					5.50E-08		0.05
2028					2.87E-08		0.03
							0.00
						TOTAL RISK:	0.11

Receptor Risk Greenbriar Park Visitors

Unmitigated Construction

Receptor: P-001, UTM 418694.5, 3753033.99

Receptor Information

HRA Receptor		Receptor Risk Information					
Name	Type	Start Age	Daily Breathing Rate	Fraction of Time at Home	Averaging Time	Inhalation Absorption Factor	Pollutant
Greenbriar Park	Park	3rd Trimester	8-Hour	No	30 Years	1	Diesel Particulate Matter

Schedule and Duration

Activity Schedule Information							
Year	Start Date	End Date	Workday Duration	Seconds/Day	Calendar Days	Workdays	Annual Duration
2026	4/1/2026	12/31/2026	8 Hours/Day	28,800	274	197	0.76
2027	1/1/2027	12/31/2027	8 Hours/Day	28,800	364	261	1.00
2028	1/1/2028	12/15/2028	8 Hours/Day	28,800	349	250	0.96

Assumptions:

Exposure Duration (ED) is derived by dividing project workdays by total annual workdays, assuming 5 workdays a week.

Pollutant Emission Rates and Concentrations

Year	Emission Rates		AERMOD Pollutant		Calculated Pollutant Concentration		
	On-site Emission Rate (lbs/day)	Off-site Emission Rate (lbs/day)	On-site Concentration	Off-site Concentration	On-site Concentration	Off-site Concentration	Total Concentration (ug/m3)
2026	1.41E-01	1.47E-02	8.45E+00	1.44E+00	1.88E-02	2.50E-05	1.88E-02
2027	2.52E-01	3.85E-03	8.45E+00	1.44E+00	3.35E-02	6.56E-06	3.35E-02
2028	1.37E-01	4.30E-03	8.45E+00	1.44E+00	1.82E-02	7.34E-06	1.83E-02
Off-site Haul Distance:	1.5	miles			Reference Exposure Limit (REL):		5.0
Default Haul Distance:	20	miles			Hazard Index:		0.000

Exposure Durations

Year	Age-Dependent Exposure Duration						
	Age Bin: 3rd Trimester>0 Years	Age Bin: 0>2 Years	Age Bin: 2>9 Years	Age Bin: 9>16 Years	Age Bin: 16>30 Years	Age Bin: 30>70+ Years	Total Duration
2026	0.25	0.51	0.00	0.00	0.00	0.00	0.76
2027	0.00	1.00	0.00	0.00	0.00	0.00	1.00
2028	0.00	0.49	0.47	0.00	0.00	0.00	0.96

Daily Breathing Rates

Year	DBR						
	Age Bin: 3rd Trimester>0 Years	Age Bin: 0>2 Years	Age Bin: 2>9 Years	Age Bin: 9>16 Years	Age Bin: 16>30 Years	Age Bin: 30>70+ Years	Total
2026	240	1200					1440
2027		1200					1200
2028		1200	640				1840

Receptor Risk Results

Year	Risk Per Individual By Age						Calculated Risk
	Age Bin: 3rd Trimester>0 Years	Age Bin: 0>2 Years	Age Bin: 2>9 Years	Age Bin: 9>16 Years	Age Bin: 16>30 Years	Age Bin: 30>70+ Years	Risk/Million
2026	2.83E-08	2.87E-07					0.32
2027		1.01E-06					1.01
2028		2.69E-07	4.16E-08				0.31
						TOTAL RISK:	1.64

Receptor Risk Single Family Residence

Receptor: R-020, UTM 418557.54, 3753013.99

Mitigated Construction

MM AQ-2: Tier 4 Final >50 hp, except Telebelts

Receptor Information

HRA Receptor		Receptor Risk Information					
Name	Type	Start Age	Daily Breathing Rate	Fraction of Time at Home	Averaging Time	Inhalation Absorption Factor	Pollutant
Single Family Residence	Residential	3rd Trimester	24-Hour	Yes	30 Years	1	Diesel Particulate Matter

Schedule and Duration

Activity Schedule Information							
Year	Start Date	End Date	Workday Duration	Seconds/Day	Construction Workday	Annual Workdays	Annual Duration
2026	4/1/2026	12/31/2026	8 Hours/Day	28,800	197	261	0.75
2027	1/1/2027	12/31/2027	8 Hours/Day	28,800	261	261	1.00
2028	1/1/2028	12/15/2028	8 Hours/Day	28,800	250	260	0.96
						Total	2.72

Assumptions:

Exposure Duration (ED) is derived by dividing project workdays by total annual workdays, assuming 5 workdays a week.

Pollutant Emission Rates and Concentrations

Year	Emission Rates		AERMOD Pollutant		Calculated Pollutant Concentration		
	On-site Emission Rate (lbs/day)	Off-site Emission Rate (lbs/day)	On-site Concentration	Off-site Concentration	On-site Concentration	Off-site Concentration	Total Concentration (ug/m3)
2026	3.03E-02	1.47E-02	1.42E+01	6.15E-01	6.75E-03	3.56E-06	6.76E-03
2027	3.97E-02	3.85E-03	1.42E+01	6.15E-01	8.85E-03	9.31E-07	8.85E-03
2028	3.64E-02	4.30E-03	1.42E+01	6.15E-01	8.11E-03	1.04E-06	8.11E-03
Off-site Haul Distance:		0.50	miles			Reference Exposure Limit (REL):	5.0
Default Haul Distance:		20	miles			Hazard Index:	0.002

Exposure Durations

Year	Age-Dependent Exposure Duration						
	Age Bin: 3rd Trimester>0 Years	Age Bin: 0>2 Years	Age Bin: 2>9 Years	Age Bin: 9>16 Years	Age Bin: 16>30 Years	Age Bin: 30>70+ Years	Total Duration
2026	0.25	0.50					0.75
2027	n/a	1.00					1.00
2028		0.50	0.47				0.96
Total	0.25	2.00	0.47				2.72

Daily Breathing Rates

Year	DBR						
	Age Bin: 3rd Trimester>0 Years	Age Bin: 0>2 Years	Age Bin: 2>9 Years	Age Bin: 9>16 Years	Age Bin: 16>30 Years	Age Bin: 30>70+ Years	Total
2026	361	1090					1451
2027	n/a	1090					1090
2028		1090	861				1951

Receptor Risk Results

Year	Risk Per Individual By Age						Calculated Risk
	Age Bin: 3rd Trimester>0 Years	Age Bin: 0>2 Years	Age Bin: 2>9 Years	Age Bin: 9>16 Years	Age Bin: 16>30 Years	Age Bin: 30>70+ Years	Risk/Million
2026	1.82E-07	1.11E-06					1.29
2027	n/a	2.88E-06					2.88
2028		1.31E-06	2.47E-07				1.56
						TOTAL RISK:	5.73

Attachments

Attachment B. Air Dispersion Model Output

Modeling files are available upon request.

Attachments

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Control Pathway

Dispersion Options

Titles

Greenbriar Residential Construction HRA
Brea, CA

Dispersion Options

☑ Regulatory Default ☐ Non-Default Options

Dispersion Coefficient

Urban

Population:
Name (Optional):
Roughness Length:

Output Type

☑ Concentration
☐ Total Deposition (Dry & Wet)
☐ Dry Deposition
☐ Wet Deposition

Plume Depletion

☐ Dry Removal
☐ Wet Removal

Output Warnings

☐ No Output Warnings
☐ Non-fatal Warnings for Non-sequential Met Data

Pollutant / Averaging Time / Terrain Options

Pollutant Type

Averaging Time Options

Hours ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 6 ☐ 8 ☐ 12 ☐ 24

☐ Month ☑ Period ☐ Annual

Exponential Decay

Half-life of 4 hrs will be used

Terrain Height Options

☐ Flat ☑ Elevated

SO: Meters
RE: Meters
TG: Meters

Flagpole Receptors

☐ Yes ☑ No

Default Height = 0.00 m

Control Pathway

Optional Files

Re-Start File	Init File	Multi-Year Analyses	Event Input File	Error Listing File
☐	☐	☐	☐	■

Detailed Error Listing File

Filename: BREA-05 Construction HRA.err

Source Pathway - Source Inputs

Polygon Area Sources

Source Type: AREA POLY

Source: SITE (On-site DPM emissions)

Base Elevation (Optional)	Release Height [m]	Emission Rate [g/ (s-m^2)]	Initial Vertical Dim. [m]	Number of Vertices (or sides)	X Coordinate for Vertices [m]	Y Coordinate for Vertices [m]
107.12	4.15	0.00003	1.93	13	418455.58	3753037.16
		0.00003			418560.04	3752995.27
		0.00003			418596.59	3752983.26
		0.00003			418626.45	3752983.57
		0.00003			418683.88	3752997.78
		0.00003			418710.23	3752997.30
		0.00003			418736.82	3752989.78
		0.00003			418745.52	3752983.89
		0.00003			418755.64	3752964.13
		0.00003			418670.94	3752893.70
		0.00003			418662.94	3752868.52
		0.00003			418582.47	3752864.76
		0.00003			418404.35	3752866.30

Source Pathway - Source Inputs

Line Volume Sources

Source Type: LINE VOLUME

Source: SLINE1 (Haul Route)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
13.00	1.00000		418751.73	3752984.74	98.28	4.15
			418756.90	3752976.97	97.98	4.15
			418774.38	3752969.20	97.71	4.15
			418803.51	3752925.19	96.64	4.15
			418719.36	3752863.05	96.34	4.15
			418677.29	3752808.67	97.24	4.15
			418652.04	3752752.36	96.80	4.15
			418640.39	3752703.16	96.78	4.15
			418639.74	3752612.54	97.01	4.15
			418345.87	3752612.54	97.67	4.15
			418293.44	3752615.78	99.84	4.15

Source Pathway - Source Inputs

Volume Sources Generated from Line Sources

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE1	L0000001	418755.33	3752979.33	98.43	4.15	0.01613	13.00		6.05	3.26
	L0000002	418766.19	3752972.84	97.98	4.15	0.01613	13.00		6.05	3.26
	L0000003	418776.61	3752965.83	97.30	4.15	0.01613	13.00		6.05	3.26
	L0000004	418783.78	3752954.99	96.52	4.15	0.01613	13.00		6.05	3.26
	L0000005	418790.96	3752944.15	95.84	4.15	0.01613	13.00		6.05	3.26
	L0000006	418798.13	3752933.31	96.15	4.15	0.01613	13.00		6.05	3.26
	L0000007	418800.89	3752923.25	96.65	4.15	0.01613	13.00		6.05	3.26
	L0000008	418790.43	3752915.53	96.68	4.15	0.01613	13.00		6.05	3.26
	L0000009	418779.97	3752907.81	96.57	4.15	0.01613	13.00		6.05	3.26
	L0000010	418769.52	3752900.08	96.47	4.15	0.01613	13.00		6.05	3.26
	L0000011	418759.06	3752892.36	96.50	4.15	0.01613	13.00		6.05	3.26
	L0000012	418748.60	3752884.64	96.58	4.15	0.01613	13.00		6.05	3.26
	L0000013	418738.14	3752876.92	96.59	4.15	0.01613	13.00		6.05	3.26
	L0000014	418727.69	3752869.19	96.42	4.15	0.01613	13.00		6.05	3.26
	L0000015	418717.74	3752860.95	96.44	4.15	0.01613	13.00		6.05	3.26
	L0000016	418709.78	3752850.67	96.90	4.15	0.01613	13.00		6.05	3.26
	L0000017	418701.83	3752840.39	97.10	4.15	0.01613	13.00		6.05	3.26
	L0000018	418693.87	3752830.10	97.07	4.15	0.01613	13.00		6.05	3.26
	L0000019	418685.91	3752819.82	97.01	4.15	0.01613	13.00		6.05	3.26
	L0000020	418677.96	3752809.54	97.21	4.15	0.01613	13.00		6.05	3.26
	L0000021	418672.42	3752797.81	97.15	4.15	0.01613	13.00		6.05	3.26
	L0000022	418667.10	3752785.95	96.94	4.15	0.01613	13.00		6.05	3.26
	L0000023	418661.78	3752774.09	96.80	4.15	0.01613	13.00		6.05	3.26
	L0000024	418656.46	3752762.23	96.82	4.15	0.01613	13.00		6.05	3.26

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE1	L0000025	418651.54	3752750.23	96.83	4.15	0.01613	13.00		6.05	3.26
	L0000026	418648.54	3752737.58	96.83	4.15	0.01613	13.00		6.05	3.26
	L0000027	418645.55	3752724.93	96.78	4.15	0.01613	13.00		6.05	3.26
	L0000028	418642.55	3752712.28	96.83	4.15	0.01613	13.00		6.05	3.26
	L0000029	418640.36	3752699.53	96.83	4.15	0.01613	13.00		6.05	3.26
	L0000030	418640.27	3752686.53	96.88	4.15	0.01613	13.00		6.05	3.26
	L0000031	418640.18	3752673.53	96.95	4.15	0.01613	13.00		6.05	3.26
	L0000032	418640.09	3752660.53	97.01	4.15	0.01613	13.00		6.05	3.26
	L0000033	418639.99	3752647.53	97.04	4.15	0.01613	13.00		6.05	3.26
	L0000034	418639.90	3752634.53	97.06	4.15	0.01613	13.00		6.05	3.26
	L0000035	418639.81	3752621.53	97.06	4.15	0.01613	13.00		6.05	3.26
	L0000036	418635.74	3752612.54	96.95	4.15	0.01613	13.00		6.05	3.26
	L0000037	418622.74	3752612.54	96.94	4.15	0.01613	13.00		6.05	3.26
	L0000038	418609.74	3752612.54	96.95	4.15	0.01613	13.00		6.05	3.26
	L0000039	418596.74	3752612.54	97.02	4.15	0.01613	13.00		6.05	3.26
	L0000040	418583.74	3752612.54	97.09	4.15	0.01613	13.00		6.05	3.26
	L0000041	418570.74	3752612.54	97.16	4.15	0.01613	13.00		6.05	3.26
	L0000042	418557.74	3752612.54	97.23	4.15	0.01613	13.00		6.05	3.26
	L0000043	418544.74	3752612.54	97.59	4.15	0.01613	13.00		6.05	3.26
	L0000044	418531.74	3752612.54	97.94	4.15	0.01613	13.00		6.05	3.26
	L0000045	418518.74	3752612.54	98.18	4.15	0.01613	13.00		6.05	3.26
	L0000046	418505.74	3752612.54	98.43	4.15	0.01613	13.00		6.05	3.26
	L0000047	418492.74	3752612.54	98.78	4.15	0.01613	13.00		6.05	3.26
	L0000048	418479.74	3752612.54	99.14	4.15	0.01613	13.00		6.05	3.26
	L0000049	418466.74	3752612.54	99.64	4.15	0.01613	13.00		6.05	3.26

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE1	L0000050	418453.74	3752612.54	100.13	4.15	0.01613	13.00		6.05	3.26
	L0000051	418440.74	3752612.54	100.52	4.15	0.01613	13.00		6.05	3.26
	L0000052	418427.74	3752612.54	100.91	4.15	0.01613	13.00		6.05	3.26
	L0000053	418414.74	3752612.54	101.34	4.15	0.01613	13.00		6.05	3.26
	L0000054	418401.74	3752612.54	101.76	4.15	0.01613	13.00		6.05	3.26
	L0000055	418388.74	3752612.54	102.17	4.15	0.01613	13.00		6.05	3.26
	L0000056	418375.74	3752612.54	102.09	4.15	0.01613	13.00		6.05	3.26
	L0000057	418362.74	3752612.54	99.91	4.15	0.01613	13.00		6.05	3.26
	L0000058	418349.74	3752612.54	97.97	4.15	0.01613	13.00		6.05	3.26
	L0000059	418336.75	3752613.10	96.89	4.15	0.01613	13.00		6.05	3.26
	L0000060	418323.78	3752613.90	96.29	4.15	0.01613	13.00		6.05	3.26
	L0000061	418310.80	3752614.71	97.23	4.15	0.01613	13.00		6.05	3.26
	L0000062	418297.83	3752615.51	98.57	4.15	0.01613	13.00		6.05	3.26

Source Pathway

Building Downwash Information

Option not in use

Emission Rate Units for Output

For Concentration

Unit Factor:	1E6
Emission Unit Label:	GRAMS/SEC
Concentration Unit Label:	MICROGRAMS/M**3

Source Groups

Source Group ID: ONSITE	List of Sources in Group (Source Range or Single Sources)
	SITE

Source Group ID: HAUL	List of Sources in Group (Source Range or Single Sources)
	SLINE1

Variable Emissions

Hour-of-Day / Day-of-Week Emission Rate Variation

Scenario: Construction

Source ID:		**SITE**						
Weekdays								
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	1.00	1.00	1.00	1.00	0.50
	Day	13 - 18	0.50	1.00	1.00	1.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:		**SLINE1**						
Weekdays								
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	1.00	1.00	1.00	1.00	0.50
	Day	13 - 18	0.50	1.00	1.00	1.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
	Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00

Meteorology Pathway

Met Input Data

Surface Met Data

Filename: KFUL_V9_ADJU_29m\KFUL_v9.SFC
Format Type: Default AERMET format

Profile Met Data

Filename: KFUL_V9_ADJU_29m\KFUL_v9.PFL
Format Type: Default AERMET format

Wind Speed

☐ Wind Speeds are Vector Mean (Not Scalar Means)

Wind Direction

Rotation Adjustment [deg]:

Potential Temperature Profile

Base Elevation above MSL (for Primary Met Tower): 29.00 [m]

Meteorological Station Data

Stations	Station No.	Year	X Coordinate [m]	Y Coordinate [m]	Station Name
Surface		2012			
Upper Air		2012			

Data Period

Data Period to Process

Start Date: 1/1/2012 Start Hour: 1 End Date: 12/31/2016 End Hour: 24

Wind Speed Categories

Stability Category	Wind Speed [m/s]	Stability Category	Wind Speed [m/s]
A	1.54	D	8.23
B	3.09	E	10.8
C	5.14	F	No Upper Bound

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group:

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.30958	ug/m^3	R-009	418517.54	3753113.99	107.67	0.00	107.67	
PERIOD		0.28194	ug/m^3	R-010	418517.54	3753133.99	108.09	0.00	108.09	
PERIOD		0.50144	ug/m^3	R-011	418537.54	3753033.99	106.32	0.00	106.32	
PERIOD		0.45070	ug/m^3	R-012	418537.54	3753053.99	106.64	0.00	106.64	
PERIOD		0.40612	ug/m^3	R-013	418537.54	3753073.99	106.90	0.00	106.90	
PERIOD		0.36727	ug/m^3	R-014	418537.54	3753093.99	107.08	0.00	107.08	
PERIOD		0.33234	ug/m^3	R-015	418537.54	3753113.99	107.52	0.00	107.52	
PERIOD		0.30224	ug/m^3	R-016	418537.54	3753133.99	107.81	0.00	107.81	
PERIOD		0.27666	ug/m^3	R-017	418537.54	3753153.99	107.76	0.00	107.76	
PERIOD		0.25336	ug/m^3	R-018	418537.54	3753173.99	108.01	0.00	108.01	
PERIOD		0.23227	ug/m^3	R-019	418537.54	3753193.99	108.49	0.00	108.49	
PERIOD							105.21	0.00	105.21	
PERIOD		0.54842	ug/m^3	R-021	418557.54	3753033.99	105.93	0.00	105.93	
PERIOD		0.49154	ug/m^3	R-022	418557.54	3753053.99	106.10	0.00	106.10	
PERIOD		0.44122	ug/m^3	R-023	418557.54	3753073.99	106.35	0.00	106.35	
PERIOD		0.39694	ug/m^3	R-024	418557.54	3753093.99	106.71	0.00	106.71	
PERIOD		0.35803	ug/m^3	R-025	418557.54	3753113.99	107.15	0.00	107.15	
PERIOD		0.32462	ug/m^3	R-026	418557.54	3753133.99	107.44	0.00	107.44	
PERIOD		0.29622	ug/m^3	R-027	418557.54	3753153.99	107.44	0.00	107.44	
PERIOD		0.27038	ug/m^3	R-028	418557.54	3753173.99	107.78	0.00	107.78	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group:

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		2.85399	ug/m^3	R-009	418517.54	3753113.99	107.67	0.00	107.67	
PERIOD		2.19463	ug/m^3	R-010	418517.54	3753133.99	108.09	0.00	108.09	
PERIOD		10.85028	ug/m^3	R-011	418537.54	3753033.99	106.32	0.00	106.32	
PERIOD		7.41823	ug/m^3	R-012	418537.54	3753053.99	106.64	0.00	106.64	
PERIOD		5.32018	ug/m^3	R-013	418537.54	3753073.99	106.90	0.00	106.90	
PERIOD		3.95913	ug/m^3	R-014	418537.54	3753093.99	107.08	0.00	107.08	
PERIOD		3.03551	ug/m^3	R-015	418537.54	3753113.99	107.52	0.00	107.52	
PERIOD		2.37963	ug/m^3	R-016	418537.54	3753133.99	107.81	0.00	107.81	
PERIOD		1.91035	ug/m^3	R-017	418537.54	3753153.99	107.76	0.00	107.76	
PERIOD		1.55463	ug/m^3	R-018	418537.54	3753173.99	108.01	0.00	108.01	
PERIOD		1.28060	ug/m^3	R-019	418537.54	3753193.99	108.49	0.00	108.49	
PERIOD							105.21	0.00	105.21	
PERIOD		9.78030	ug/m^3	R-021	418557.54	3753033.99	105.93	0.00	105.93	
PERIOD		6.99913	ug/m^3	R-022	418557.54	3753053.99	106.10	0.00	106.10	
PERIOD		5.21269	ug/m^3	R-023	418557.54	3753073.99	106.35	0.00	106.35	
PERIOD		3.99387	ug/m^3	R-024	418557.54	3753093.99	106.71	0.00	106.71	
PERIOD		3.12857	ug/m^3	R-025	418557.54	3753113.99	107.15	0.00	107.15	
PERIOD		2.50002	ug/m^3	R-026	418557.54	3753133.99	107.44	0.00	107.44	
PERIOD		2.03062	ug/m^3	R-027	418557.54	3753153.99	107.44	0.00	107.44	
PERIOD		1.66977	ug/m^3	R-028	418557.54	3753173.99	107.78	0.00	107.78	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		1.44341	ug/m^3	P-001	418694.50	3753025.00	101.78	0.00	101.78	
PERIOD		1.16354	ug/m^3	P-002	418694.50	3753045.00	102.50	0.00	102.50	
PERIOD		0.95977	ug/m^3	P-003	418694.50	3753065.00	103.13	0.00	103.13	
PERIOD		1.79366	ug/m^3	P-004	418714.50	3753025.00	100.95	0.00	100.95	
PERIOD		1.38501	ug/m^3	P-005	418714.50	3753045.00	101.68	0.00	101.68	
PERIOD		1.10835	ug/m^3	P-006	418714.50	3753065.00	102.40	0.00	102.40	
PERIOD		0.91639	ug/m^3	P-007	418714.50	3753085.00	102.93	0.00	102.93	
PERIOD		0.77356	ug/m^3	P-008	418714.50	3753105.00	103.37	0.00	103.37	
PERIOD		2.30588	ug/m^3	P-009	418734.50	3753025.00	100.16	0.00	100.16	
PERIOD		1.68201	ug/m^3	P-010	418734.50	3753045.00	100.88	0.00	100.88	
PERIOD		1.30016	ug/m^3	P-011	418734.50	3753065.00	101.67	0.00	101.67	
PERIOD		1.04445	ug/m^3	P-012	418734.50	3753085.00	102.48	0.00	102.48	
PERIOD		0.86393	ug/m^3	P-013	418734.50	3753105.00	103.29	0.00	103.29	
PERIOD		5.34517	ug/m^3	P-014	418754.50	3753005.00	99.16	0.00	99.16	
PERIOD		3.02087	ug/m^3	P-015	418754.50	3753025.00	99.89	0.00	99.89	
PERIOD		2.05426	ug/m^3	P-016	418754.50	3753045.00	100.59	0.00	100.59	
PERIOD		1.52844	ug/m^3	P-017	418754.50	3753065.00	101.31	0.00	101.31	
PERIOD		1.19136	ug/m^3	P-018	418754.50	3753085.00	102.32	0.00	102.32	
PERIOD		13.06005	ug/m^3	P-019	418774.50	3752985.00	98.28	0.00	98.28	
PERIOD		6.13816	ug/m^3	P-020	418774.50	3753005.00	99.19	0.00	99.19	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		3.57016	ug/m^3	P-021	418774.50	3753025.00	100.26	0.00	100.26	
PERIOD		2.38147	ug/m^3	P-022	418774.50	3753045.00	101.05	0.00	101.05	
PERIOD		1.73371	ug/m^3	P-023	418774.50	3753065.00	101.69	0.00	101.69	
PERIOD		1.33484	ug/m^3	P-024	418774.50	3753085.00	102.48	0.00	102.48	
PERIOD		15.40546	ug/m^3	P-025	418794.50	3752965.00	96.76	0.00	96.76	
PERIOD		9.05576	ug/m^3	P-026	418794.50	3752985.00	98.01	0.00	98.01	
PERIOD		5.54878	ug/m^3	P-027	418794.50	3753005.00	99.47	0.00	99.47	
PERIOD		3.60864	ug/m^3	P-028	418794.50	3753025.00	101.12	0.00	101.12	
PERIOD		2.50330	ug/m^3	P-029	418794.50	3753045.00	102.22	0.00	102.22	
PERIOD		8.45924	ug/m^3	P-030	418814.50	3752965.00	96.10	0.00	96.10	
PERIOD		6.13307	ug/m^3	P-031	418814.50	3752985.00	97.30	0.00	97.30	
PERIOD		4.48575	ug/m^3	P-032	418814.50	3753005.00	99.06	0.00	99.06	
PERIOD		3.27254	ug/m^3	P-033	418814.50	3753025.00	100.71	0.00	100.71	
PERIOD		2.43122	ug/m^3	P-034	418814.50	3753045.00	102.03	0.00	102.03	
PERIOD		5.07626	ug/m^3	P-035	418834.50	3752965.00	96.64	0.00	96.64	
PERIOD		4.22678	ug/m^3	P-036	418834.50	3752985.00	97.40	0.00	97.40	
PERIOD		3.45170	ug/m^3	P-037	418834.50	3753005.00	98.75	0.00	98.75	
PERIOD		2.76180	ug/m^3	P-038	418834.50	3753025.00	100.08	0.00	100.08	
PERIOD		2.20508	ug/m^3	P-039	418834.50	3753045.00	101.33	0.00	101.33	
PERIOD		1.76941	ug/m^3	P-040	418834.50	3753065.00	102.44	0.00	102.44	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		2.97364	ug/m^3	P-041	418854.50	3752985.00	98.03	0.00	98.03	
PERIOD		2.61249	ug/m^3	P-042	418854.50	3753005.00	98.70	0.00	98.70	
PERIOD		2.24297	ug/m^3	P-043	418854.50	3753025.00	99.67	0.00	99.67	
PERIOD		1.90257	ug/m^3	P-044	418854.50	3753045.00	100.59	0.00	100.59	
PERIOD		1.60608	ug/m^3	P-045	418854.50	3753065.00	101.47	0.00	101.47	
PERIOD		1.35574	ug/m^3	P-046	418854.50	3753085.00	102.10	0.00	102.10	
PERIOD		1.98294	ug/m^3	P-047	418874.50	3753005.00	98.99	0.00	112.00	
PERIOD		1.79467	ug/m^3	P-048	418874.50	3753025.00	99.55	0.00	112.00	
PERIOD		1.59720	ug/m^3	P-049	418874.50	3753045.00	99.96	0.00	99.96	
PERIOD		1.40671	ug/m^3	P-050	418874.50	3753065.00	100.35	0.00	100.35	
PERIOD		1.23220	ug/m^3	P-051	418874.50	3753085.00	101.06	0.00	101.06	
PERIOD		1.07607	ug/m^3	P-052	418874.50	3753105.00	101.67	0.00	101.67	
PERIOD		1.52397	ug/m^3	P-053	418894.50	3753005.00	99.59	0.00	112.00	
PERIOD		1.43544	ug/m^3	P-054	418894.50	3753025.00	99.53	0.00	112.00	
PERIOD		1.32623	ug/m^3	P-055	418894.50	3753045.00	99.45	0.00	112.00	
PERIOD		1.20802	ug/m^3	P-056	418894.50	3753065.00	99.37	0.00	112.00	
PERIOD		1.09050	ug/m^3	P-057	418894.50	3753085.00	99.48	0.00	112.00	
PERIOD		0.97971	ug/m^3	P-058	418894.50	3753105.00	99.83	0.00	99.83	
PERIOD		0.87805	ug/m^3	P-059	418894.50	3753125.00	100.37	0.00	100.37	
PERIOD		1.09556	ug/m^3	P-060	418914.50	3753045.00	100.56	0.00	112.22	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		1.02706	ug/m^3	P-061	418914.50	3753065.00	100.67	0.00	112.22	
PERIOD		0.95245	ug/m^3	P-062	418914.50	3753085.00	100.69	0.00	112.00	
PERIOD		0.87606	ug/m^3	P-063	418914.50	3753105.00	100.63	0.00	112.00	
PERIOD		0.80125	ug/m^3	P-064	418914.50	3753125.00	100.56	0.00	100.56	
PERIOD		0.86874	ug/m^3	P-065	418934.50	3753065.00	101.35	0.00	112.22	
PERIOD		0.82249	ug/m^3	P-066	418934.50	3753085.00	101.50	0.00	112.22	
PERIOD		0.77197	ug/m^3	P-067	418934.50	3753105.00	101.54	0.00	112.00	
PERIOD		0.72034	ug/m^3	P-068	418934.50	3753125.00	101.46	0.00	101.46	
PERIOD		0.66883	ug/m^3	P-069	418934.50	3753145.00	100.85	0.00	100.85	
PERIOD		0.67467	ug/m^3	P-070	418954.50	3753105.00	102.15	0.00	112.00	
PERIOD		0.63909	ug/m^3	P-071	418954.50	3753125.00	102.29	0.00	112.00	
PERIOD		0.60503	ug/m^3	P-072	418954.50	3753145.00	101.56	0.00	101.56	
PERIOD		0.42420	ug/m^3	R-001	418497.54	3753033.99	106.80	0.00	106.80	
PERIOD		0.38346	ug/m^3	R-002	418497.54	3753053.99	107.22	0.00	107.22	
PERIOD		0.34758	ug/m^3	R-003	418497.54	3753073.99	107.54	0.00	107.54	
PERIOD		0.31605	ug/m^3	R-004	418497.54	3753093.99	107.77	0.00	107.77	
PERIOD		0.46047	ug/m^3	R-005	418517.54	3753033.99	106.61	0.00	106.61	
PERIOD		0.41493	ug/m^3	R-006	418517.54	3753053.99	107.05	0.00	107.05	
PERIOD		0.37509	ug/m^3	R-007	418517.54	3753073.99	107.31	0.00	107.31	
PERIOD		0.34072	ug/m^3	R-008	418517.54	3753093.99	107.34	0.00	107.34	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: [redacted]

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.30958	ug/m^3	R-009	418517.54	3753113.99	107.67	0.00	107.67	
PERIOD		0.28194	ug/m^3	R-010	418517.54	3753133.99	108.09	0.00	108.09	
PERIOD		0.50144	ug/m^3	R-011	418537.54	3753033.99	106.32	0.00	106.32	
PERIOD		0.45070	ug/m^3	R-012	418537.54	3753053.99	106.64	0.00	106.64	
PERIOD		0.40612	ug/m^3	R-013	418537.54	3753073.99	106.90	0.00	106.90	
PERIOD		0.36727	ug/m^3	R-014	418537.54	3753093.99	107.08	0.00	107.08	
PERIOD		0.33234	ug/m^3	R-015	418537.54	3753113.99	107.52	0.00	107.52	
PERIOD		0.30224	ug/m^3	R-016	418537.54	3753133.99	107.81	0.00	107.81	
PERIOD		0.27666	ug/m^3	R-017	418537.54	3753153.99	107.76	0.00	107.76	
PERIOD		0.25336	ug/m^3	R-018	418537.54	3753173.99	108.01	0.00	108.01	
PERIOD		0.23227	ug/m^3	R-019	418537.54	3753193.99	108.49	0.00	108.49	
PERIOD		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	105.21	0.00	105.21	
PERIOD		0.54842	ug/m^3	R-021	418557.54	3753033.99	105.93	0.00	105.93	
PERIOD		0.49154	ug/m^3	R-022	418557.54	3753053.99	106.10	0.00	106.10	
PERIOD		0.44122	ug/m^3	R-023	418557.54	3753073.99	106.35	0.00	106.35	
PERIOD		0.39694	ug/m^3	R-024	418557.54	3753093.99	106.71	0.00	106.71	
PERIOD		0.35803	ug/m^3	R-025	418557.54	3753113.99	107.15	0.00	107.15	
PERIOD		0.32462	ug/m^3	R-026	418557.54	3753133.99	107.44	0.00	107.44	
PERIOD		0.29622	ug/m^3	R-027	418557.54	3753153.99	107.44	0.00	107.44	
PERIOD		0.27038	ug/m^3	R-028	418557.54	3753173.99	107.78	0.00	107.78	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.24757	ug/m^3	R-029	418557.54	3753193.99	108.14	0.00	108.14	
PERIOD		0.22764	ug/m^3	R-030	418557.54	3753213.99	108.37	0.00	108.37	
PERIOD		0.20941	ug/m^3	R-031	418557.54	3753233.99	108.88	0.00	112.08	
PERIOD		0.68095	ug/m^3	R-032	418577.54	3753013.99	104.75	0.00	104.75	
PERIOD		0.60404	ug/m^3	R-033	418577.54	3753033.99	105.34	0.00	105.34	
PERIOD		0.53892	ug/m^3	R-034	418577.54	3753053.99	105.44	0.00	105.44	
PERIOD		0.48136	ug/m^3	R-035	418577.54	3753073.99	105.71	0.00	105.71	
PERIOD		0.43058	ug/m^3	R-036	418577.54	3753093.99	106.21	0.00	106.21	
PERIOD		0.38717	ug/m^3	R-037	418577.54	3753113.99	106.59	0.00	106.59	
PERIOD		0.34987	ug/m^3	R-038	418577.54	3753133.99	106.88	0.00	106.88	
PERIOD		0.31795	ug/m^3	R-039	418577.54	3753153.99	107.00	0.00	107.00	
PERIOD		0.28894	ug/m^3	R-040	418577.54	3753173.99	107.50	0.00	107.50	
PERIOD		0.26376	ug/m^3	R-041	418577.54	3753193.99	107.92	0.00	107.92	
PERIOD		0.24245	ug/m^3	R-042	418577.54	3753213.99	107.93	0.00	107.93	
PERIOD		0.22316	ug/m^3	R-043	418577.54	3753233.99	108.13	0.00	108.13	
PERIOD		0.20571	ug/m^3	R-044	418577.54	3753253.99	108.49	0.00	113.97	
PERIOD		0.18953	ug/m^3	R-045	418577.54	3753273.99	109.24	0.00	114.83	
PERIOD		0.76141	ug/m^3	R-046	418597.54	3753013.99	104.06	0.00	104.06	
PERIOD		0.67150	ug/m^3	R-047	418597.54	3753033.99	104.51	0.00	104.51	
PERIOD		0.59457	ug/m^3	R-048	418597.54	3753053.99	104.71	0.00	104.71	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.52728	ug/m^3	R-049	418597.54	3753073.99	105.10	0.00	105.10	
PERIOD		0.46867	ug/m^3	R-050	418597.54	3753093.99	105.70	0.00	105.70	
PERIOD		0.41979	ug/m^3	R-051	418597.54	3753113.99	106.01	0.00	106.01	
PERIOD		0.37792	ug/m^3	R-052	418597.54	3753133.99	106.29	0.00	106.29	
PERIOD		0.34174	ug/m^3	R-053	418597.54	3753153.99	106.56	0.00	106.56	
PERIOD		0.30919	ug/m^3	R-054	418597.54	3753173.99	107.20	0.00	107.20	
PERIOD		0.28121	ug/m^3	R-055	418597.54	3753193.99	107.72	0.00	107.72	
PERIOD		0.25788	ug/m^3	R-056	418597.54	3753213.99	107.72	0.00	107.72	
PERIOD		0.23687	ug/m^3	R-057	418597.54	3753233.99	107.90	0.00	107.90	
PERIOD		0.21817	ug/m^3	R-058	418597.54	3753253.99	108.12	0.00	108.12	
PERIOD		0.20176	ug/m^3	R-059	418597.54	3753273.99	108.20	0.00	113.75	
PERIOD		0.18689	ug/m^3	R-060	418597.54	3753293.99	108.41	0.00	115.72	
PERIOD		0.86128	ug/m^3	R-061	418617.54	3753013.99	103.22	0.00	103.22	
PERIOD		0.75403	ug/m^3	R-062	418617.54	3753033.99	103.59	0.00	103.59	
PERIOD		0.66049	ug/m^3	R-063	418617.54	3753053.99	104.01	0.00	104.01	
PERIOD		0.58033	ug/m^3	R-064	418617.54	3753073.99	104.56	0.00	104.56	
PERIOD		0.51188	ug/m^3	R-065	418617.54	3753093.99	105.26	0.00	105.26	
PERIOD		0.45654	ug/m^3	R-066	418617.54	3753113.99	105.46	0.00	105.46	
PERIOD		0.40908	ug/m^3	R-067	418617.54	3753133.99	105.73	0.00	105.73	
PERIOD		0.36783	ug/m^3	R-068	418617.54	3753153.99	106.17	0.00	106.17	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.33130	ug/m^3	R-069	418617.54	3753173.99	106.93	0.00	106.93	
PERIOD		0.30021	ug/m^3	R-070	418617.54	3753193.99	107.50	0.00	107.50	
PERIOD		0.27456	ug/m^3	R-071	418617.54	3753213.99	107.50	0.00	107.50	
PERIOD		0.25145	ug/m^3	R-072	418617.54	3753233.99	107.74	0.00	107.74	
PERIOD		0.23106	ug/m^3	R-073	418617.54	3753253.99	107.98	0.00	107.98	
PERIOD		0.21347	ug/m^3	R-074	418617.54	3753273.99	107.94	0.00	107.94	
PERIOD		0.19776	ug/m^3	R-075	418617.54	3753293.99	107.91	0.00	115.72	
PERIOD		0.98774	ug/m^3	R-076	418637.54	3753013.99	102.52	0.00	102.52	
PERIOD		0.85273	ug/m^3	R-077	418637.54	3753033.99	102.97	0.00	102.97	
PERIOD		0.73827	ug/m^3	R-078	418637.54	3753053.99	103.53	0.00	103.53	
PERIOD		0.64174	ug/m^3	R-079	418637.54	3753073.99	104.16	0.00	104.16	
PERIOD		0.56158	ug/m^3	R-080	418637.54	3753093.99	104.86	0.00	104.86	
PERIOD		0.49806	ug/m^3	R-081	418637.54	3753113.99	104.96	0.00	104.96	
PERIOD		0.44387	ug/m^3	R-082	418637.54	3753133.99	105.22	0.00	105.22	
PERIOD		0.39659	ug/m^3	R-083	418637.54	3753153.99	105.83	0.00	105.83	
PERIOD		0.35549	ug/m^3	R-084	418637.54	3753173.99	106.68	0.00	106.68	
PERIOD		0.32081	ug/m^3	R-085	418637.54	3753193.99	107.32	0.00	107.32	
PERIOD		0.29250	ug/m^3	R-086	418637.54	3753213.99	107.33	0.00	107.33	
PERIOD		0.26723	ug/m^3	R-087	418637.54	3753233.99	107.55	0.00	107.55	
PERIOD		0.24508	ug/m^3	R-088	418637.54	3753253.99	107.74	0.00	107.74	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.22621	ug/m^3	R-089	418637.54	3753273.99	107.56	0.00	107.56	
PERIOD		0.20912	ug/m^3	R-090	418637.54	3753293.99	107.55	0.00	107.55	
PERIOD		14.07036	ug/m^3	R-091	418657.54	3752653.99	97.64	0.00	97.64	
PERIOD		14.42430	ug/m^3	R-092	418657.54	3752673.99	97.46	0.00	97.46	
PERIOD		14.89455	ug/m^3	R-093	418657.54	3752693.99	97.17	0.00	97.17	
PERIOD		16.58330	ug/m^3	R-094	418657.54	3752713.99	96.89	0.00	96.89	
PERIOD		1.14681	ug/m^3	R-095	418657.54	3753013.99	102.42	0.00	102.42	
PERIOD		0.97052	ug/m^3	R-096	418657.54	3753033.99	103.14	0.00	103.14	
PERIOD		0.82816	ug/m^3	R-097	418657.54	3753053.99	103.57	0.00	103.57	
PERIOD		0.71247	ug/m^3	R-098	418657.54	3753073.99	104.04	0.00	104.04	
PERIOD		0.61871	ug/m^3	R-099	418657.54	3753093.99	104.55	0.00	104.55	
PERIOD		0.54543	ug/m^3	R-100	418657.54	3753113.99	104.49	0.00	104.49	
PERIOD		0.48319	ug/m^3	R-101	418657.54	3753133.99	104.70	0.00	104.70	
PERIOD		0.42907	ug/m^3	R-102	418657.54	3753153.99	105.38	0.00	105.38	
PERIOD		0.38234	ug/m^3	R-103	418657.54	3753173.99	106.37	0.00	106.37	
PERIOD		0.34349	ug/m^3	R-104	418657.54	3753193.99	107.10	0.00	107.10	
PERIOD		0.31210	ug/m^3	R-105	418657.54	3753213.99	107.13	0.00	107.13	
PERIOD		0.28435	ug/m^3	R-106	418657.54	3753233.99	107.33	0.00	107.33	
PERIOD		0.26025	ug/m^3	R-107	418657.54	3753253.99	107.46	0.00	107.46	
PERIOD		0.23977	ug/m^3	R-108	418657.54	3753273.99	107.22	0.00	107.22	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		6.85199	ug/m^3	R-109	418677.54	3752653.99	98.13	0.00	98.13	
PERIOD		7.36770	ug/m^3	R-110	418677.54	3752673.99	97.85	0.00	97.85	
PERIOD		7.81819	ug/m^3	R-111	418677.54	3752693.99	97.46	0.00	97.46	
PERIOD		8.50881	ug/m^3	R-112	418677.54	3752713.99	97.22	0.00	97.22	
PERIOD		9.68038	ug/m^3	R-113	418677.54	3752733.99	97.07	0.00	97.07	
PERIOD		11.79566	ug/m^3	R-114	418677.54	3752753.99	97.03	0.00	97.03	
PERIOD		0.94252	ug/m^3	R-115	418677.54	3753053.99	103.27	0.00	103.27	
PERIOD		0.79838	ug/m^3	R-116	418677.54	3753073.99	103.74	0.00	103.74	
PERIOD		0.68580	ug/m^3	R-117	418677.54	3753093.99	104.18	0.00	104.18	
PERIOD		0.59959	ug/m^3	R-118	418677.54	3753113.99	104.05	0.00	104.05	
PERIOD		0.52735	ug/m^3	R-119	418677.54	3753133.99	104.24	0.00	104.24	
PERIOD		0.46526	ug/m^3	R-120	418677.54	3753153.99	104.96	0.00	104.96	
PERIOD		0.41217	ug/m^3	R-121	418677.54	3753173.99	106.04	0.00	106.04	
PERIOD		0.36855	ug/m^3	R-122	418677.54	3753193.99	106.83	0.00	106.83	
PERIOD		0.33360	ug/m^3	R-123	418677.54	3753213.99	106.88	0.00	106.88	
PERIOD		0.30303	ug/m^3	R-124	418677.54	3753233.99	107.07	0.00	107.07	
PERIOD		0.27663	ug/m^3	R-125	418677.54	3753253.99	107.17	0.00	107.17	
PERIOD		0.25428	ug/m^3	R-126	418677.54	3753273.99	106.91	0.00	106.91	
PERIOD		4.04515	ug/m^3	R-127	418697.54	3752653.99	98.46	0.00	98.46	
PERIOD		4.49969	ug/m^3	R-128	418697.54	3752673.99	98.14	0.00	98.14	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		4.88762	ug/m^3	R-129	418697.54	3752693.99	97.80	0.00	97.80	
PERIOD		5.32251	ug/m^3	R-130	418697.54	3752713.99	97.47	0.00	97.47	
PERIOD		5.92688	ug/m^3	R-131	418697.54	3752733.99	97.29	0.00	97.29	
PERIOD		6.84905	ug/m^3	R-132	418697.54	3752753.99	97.28	0.00	97.28	
PERIOD		8.38081	ug/m^3	R-133	418697.54	3752773.99	97.22	0.00	97.22	
PERIOD		11.09259	ug/m^3	R-134	418697.54	3752793.99	97.14	0.00	97.14	
PERIOD		0.76547	ug/m^3	R-135	418697.54	3753093.99	103.71	0.00	103.71	
PERIOD		0.66141	ug/m^3	R-136	418697.54	3753113.99	103.70	0.00	103.70	
PERIOD		0.57635	ug/m^3	R-137	418697.54	3753133.99	103.99	0.00	103.99	
PERIOD		0.50490	ug/m^3	R-138	418697.54	3753153.99	104.75	0.00	104.75	
PERIOD		0.44512	ug/m^3	R-139	418697.54	3753173.99	105.76	0.00	105.76	
PERIOD		0.39635	ug/m^3	R-140	418697.54	3753193.99	106.50	0.00	106.50	
PERIOD		0.35722	ug/m^3	R-141	418697.54	3753213.99	106.58	0.00	106.58	
PERIOD		0.32334	ug/m^3	R-142	418697.54	3753233.99	106.77	0.00	106.77	
PERIOD		0.29432	ug/m^3	R-143	418697.54	3753253.99	106.86	0.00	106.86	
PERIOD		0.26978	ug/m^3	R-144	418697.54	3753273.99	106.60	0.00	106.60	
PERIOD		2.69752	ug/m^3	R-145	418717.54	3752653.99	98.84	0.00	98.84	
PERIOD		3.03152	ug/m^3	R-146	418717.54	3752673.99	98.59	0.00	98.59	
PERIOD		3.34052	ug/m^3	R-147	418717.54	3752693.99	98.42	0.00	98.42	
PERIOD		3.68191	ug/m^3	R-148	418717.54	3752713.99	97.79	0.00	97.79	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		4.08523	ug/m^3	R-149	418717.54	3752733.99	97.37	0.00	97.37	
PERIOD		4.61912	ug/m^3	R-150	418717.54	3752753.99	97.26	0.00	97.26	
PERIOD		5.40712	ug/m^3	R-151	418717.54	3752773.99	97.42	0.00	97.42	
PERIOD		6.70063	ug/m^3	R-152	418717.54	3752793.99	97.49	0.00	97.49	
PERIOD		9.10734	ug/m^3	R-153	418717.54	3752813.99	97.34	0.00	97.34	
PERIOD		14.27819	ug/m^3	R-154	418717.54	3752833.99	97.15	0.00	97.15	
PERIOD		0.63004	ug/m^3	R-155	418717.54	3753133.99	104.10	0.00	104.10	
PERIOD		0.54769	ug/m^3	R-156	418717.54	3753153.99	104.89	0.00	104.89	
PERIOD		0.48131	ug/m^3	R-157	418717.54	3753173.99	105.58	0.00	105.58	
PERIOD		0.42723	ug/m^3	R-158	418717.54	3753193.99	106.09	0.00	106.09	
PERIOD		0.38306	ug/m^3	R-159	418717.54	3753213.99	106.25	0.00	106.25	
PERIOD		0.34536	ug/m^3	R-160	418717.54	3753233.99	106.45	0.00	106.45	
PERIOD		0.31334	ug/m^3	R-161	418717.54	3753253.99	106.53	0.00	106.53	
PERIOD		0.28640	ug/m^3	R-162	418717.54	3753273.99	106.25	0.00	106.25	
PERIOD		1.94453	ug/m^3	R-163	418737.54	3752653.99	99.65	0.00	99.65	
PERIOD		2.17533	ug/m^3	R-164	418737.54	3752673.99	99.60	0.00	99.60	
PERIOD		2.40338	ug/m^3	R-165	418737.54	3752693.99	99.71	0.00	99.71	
PERIOD		2.67912	ug/m^3	R-166	418737.54	3752713.99	98.79	0.00	98.79	
PERIOD		2.98868	ug/m^3	R-167	418737.54	3752733.99	98.02	0.00	98.02	
PERIOD		3.37027	ug/m^3	R-168	418737.54	3752753.99	97.48	0.00	97.48	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		3.87196	ug/m^3	R-169	418737.54	3752773.99	97.43	0.00	97.43	
PERIOD		4.62177	ug/m^3	R-170	418737.54	3752793.99	97.49	0.00	97.49	
PERIOD		5.83700	ug/m^3	R-171	418737.54	3752813.99	97.64	0.00	97.64	
PERIOD		8.11187	ug/m^3	R-172	418737.54	3752833.99	97.49	0.00	97.49	
PERIOD		13.30482	ug/m^3	R-173	418737.54	3752853.99	97.18	0.00	97.18	
PERIOD		0.81123	ug/m^3	R-174	418737.54	3753113.99	103.68	0.00	103.68	
PERIOD		0.68947	ug/m^3	R-175	418737.54	3753133.99	104.44	0.00	104.44	
PERIOD		0.59533	ug/m^3	R-176	418737.54	3753153.99	105.05	0.00	105.05	
PERIOD		0.52152	ug/m^3	R-177	418737.54	3753173.99	105.33	0.00	105.33	
PERIOD		0.46114	ug/m^3	R-178	418737.54	3753193.99	105.61	0.00	105.61	
PERIOD		0.41068	ug/m^3	R-179	418737.54	3753213.99	105.98	0.00	105.98	
PERIOD		0.36882	ug/m^3	R-180	418737.54	3753233.99	106.16	0.00	106.16	
PERIOD		0.33350	ug/m^3	R-181	418737.54	3753253.99	106.21	0.00	106.21	
PERIOD		0.30355	ug/m^3	R-182	418737.54	3753273.99	106.06	0.00	106.06	
PERIOD		1.48927	ug/m^3	R-183	418757.54	3752653.99	100.42	0.00	100.42	
PERIOD		1.65465	ug/m^3	R-184	418757.54	3752673.99	100.38	0.00	100.38	
PERIOD		1.82634	ug/m^3	R-185	418757.54	3752693.99	100.51	0.00	100.51	
PERIOD		2.04209	ug/m^3	R-186	418757.54	3752713.99	99.49	0.00	99.49	
PERIOD		2.27920	ug/m^3	R-187	418757.54	3752733.99	98.74	0.00	98.74	
PERIOD		2.55555	ug/m^3	R-188	418757.54	3752753.99	98.32	0.00	98.32	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		2.90549	ug/m^3	R-189	418757.54	3752773.99	98.18	0.00	98.18	
PERIOD		3.40420	ug/m^3	R-190	418757.54	3752793.99	97.99	0.00	97.99	
PERIOD		4.18701	ug/m^3	R-191	418757.54	3752813.99	97.66	0.00	97.66	
PERIOD		5.47264	ug/m^3	R-192	418757.54	3752833.99	97.70	0.00	97.70	
PERIOD		8.07914	ug/m^3	R-193	418757.54	3752853.99	97.63	0.00	97.63	
PERIOD		11.81059	ug/m^3	R-194	418757.54	3752873.99	97.18	0.00	97.18	
PERIOD		0.90091	ug/m^3	R-195	418757.54	3753113.99	103.69	0.00	103.69	
PERIOD		0.75741	ug/m^3	R-196	418757.54	3753133.99	104.37	0.00	104.37	
PERIOD		0.64951	ug/m^3	R-197	418757.54	3753153.99	104.73	0.00	104.73	
PERIOD		0.56478	ug/m^3	R-198	418757.54	3753173.99	105.01	0.00	105.01	
PERIOD		0.49631	ug/m^3	R-199	418757.54	3753193.99	105.31	0.00	105.31	
PERIOD		0.43984	ug/m^3	R-200	418757.54	3753213.99	105.68	0.00	105.68	
PERIOD		0.39364	ug/m^3	R-201	418757.54	3753233.99	105.76	0.00	105.76	
PERIOD		0.35479	ug/m^3	R-202	418757.54	3753253.99	105.76	0.00	105.76	
PERIOD		1.18935	ug/m^3	R-203	418777.54	3752653.99	101.19	0.00	101.19	
PERIOD		1.31127	ug/m^3	R-204	418777.54	3752673.99	101.16	0.00	101.16	
PERIOD		1.44086	ug/m^3	R-205	418777.54	3752693.99	101.32	0.00	101.32	
PERIOD		1.60674	ug/m^3	R-206	418777.54	3752713.99	100.35	0.00	100.35	
PERIOD		1.78931	ug/m^3	R-207	418777.54	3752733.99	99.69	0.00	99.69	
PERIOD		1.99776	ug/m^3	R-208	418777.54	3752753.99	99.37	0.00	99.37	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		2.25641	ug/m^3	R-209	418777.54	3752773.99	99.18	0.00	99.18	
PERIOD		2.61520	ug/m^3	R-210	418777.54	3752793.99	98.76	0.00	98.76	
PERIOD		3.16509	ug/m^3	R-211	418777.54	3752813.99	97.98	0.00	97.98	
PERIOD		3.98639	ug/m^3	R-212	418777.54	3752833.99	98.03	0.00	98.03	
PERIOD		5.47954	ug/m^3	R-213	418777.54	3752853.99	98.05	0.00	98.05	
PERIOD		8.86148	ug/m^3	R-214	418777.54	3752873.99	97.66	0.00	97.66	
PERIOD		1.22099	ug/m^3	R-215	418777.54	3753093.99	102.85	0.00	102.85	
PERIOD		0.99151	ug/m^3	R-216	418777.54	3753113.99	103.52	0.00	103.52	
PERIOD		0.82718	ug/m^3	R-217	418777.54	3753133.99	104.03	0.00	104.03	
PERIOD		0.70415	ug/m^3	R-218	418777.54	3753153.99	104.35	0.00	104.35	
PERIOD		0.60802	ug/m^3	R-219	418777.54	3753173.99	104.72	0.00	104.72	
PERIOD		0.53149	ug/m^3	R-220	418777.54	3753193.99	105.04	0.00	105.04	
PERIOD		0.46955	ug/m^3	R-221	418777.54	3753213.99	105.25	0.00	105.25	
PERIOD		0.41889	ug/m^3	R-222	418777.54	3753233.99	105.25	0.00	105.25	
PERIOD		0.37630	ug/m^3	R-223	418777.54	3753253.99	105.26	0.00	105.26	
PERIOD		0.97479	ug/m^3	R-224	418797.54	3752653.99	101.95	0.00	101.95	
PERIOD		1.06661	ug/m^3	R-225	418797.54	3752673.99	101.95	0.00	101.95	
PERIOD		1.16152	ug/m^3	R-226	418797.54	3752693.99	102.13	0.00	102.13	
PERIOD		1.29654	ug/m^3	R-227	418797.54	3752713.99	101.36	0.00	101.36	
PERIOD		1.43735	ug/m^3	R-228	418797.54	3752733.99	100.84	0.00	100.84	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		1.59732	ug/m^3	R-229	418797.54	3752753.99	100.62	0.00	100.62	
PERIOD		1.79201	ug/m^3	R-230	418797.54	3752773.99	100.49	0.00	100.49	
PERIOD		2.05451	ug/m^3	R-231	418797.54	3752793.99	100.03	0.00	102.16	
PERIOD		2.44320	ug/m^3	R-232	418797.54	3752813.99	99.05	0.00	101.02	
PERIOD		2.99395	ug/m^3	R-233	418797.54	3752833.99	98.88	0.00	98.88	
PERIOD		3.91523	ug/m^3	R-234	418797.54	3752853.99	98.68	0.00	98.68	
PERIOD		5.73586	ug/m^3	R-235	418797.54	3752873.99	98.12	0.00	98.12	
PERIOD		10.08001	ug/m^3	R-236	418797.54	3752893.99	97.56	0.00	97.56	
PERIOD		1.65502	ug/m^3	R-237	418797.54	3753073.99	102.93	0.00	102.93	
PERIOD		1.31053	ug/m^3	R-238	418797.54	3753093.99	102.90	0.00	102.90	
PERIOD		1.06613	ug/m^3	R-239	418797.54	3753113.99	103.21	0.00	103.21	
PERIOD		0.88724	ug/m^3	R-240	418797.54	3753133.99	103.60	0.00	103.60	
PERIOD		0.75188	ug/m^3	R-241	418797.54	3753153.99	104.09	0.00	104.09	
PERIOD		0.64720	ug/m^3	R-242	418797.54	3753173.99	104.45	0.00	104.45	
PERIOD		0.56437	ug/m^3	R-243	418797.54	3753193.99	104.68	0.00	104.68	
PERIOD		0.49797	ug/m^3	R-244	418797.54	3753213.99	104.66	0.00	104.66	
PERIOD		0.44299	ug/m^3	R-245	418797.54	3753233.99	104.69	0.00	104.69	
PERIOD		0.81563	ug/m^3	R-246	418817.54	3752653.99	102.70	0.00	102.70	
PERIOD		0.88685	ug/m^3	R-247	418817.54	3752673.99	102.73	0.00	102.73	
PERIOD		0.96348	ug/m^3	R-248	418817.54	3752693.99	102.93	0.00	102.93	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		1.05849	ug/m^3	R-249	418817.54	3752713.99	102.48	0.00	102.48	
PERIOD		1.16624	ug/m^3	R-250	418817.54	3752733.99	102.17	0.00	102.17	
PERIOD		1.29144	ug/m^3	R-251	418817.54	3752753.99	102.02	0.00	102.02	
PERIOD		1.43264	ug/m^3	R-252	418817.54	3752773.99	102.16	0.00	102.16	
PERIOD		1.62315	ug/m^3	R-253	418817.54	3752793.99	101.96	0.00	101.96	
PERIOD		1.89847	ug/m^3	R-254	418817.54	3752813.99	101.22	0.00	101.22	
PERIOD		2.27434	ug/m^3	R-255	418817.54	3752833.99	100.58	0.00	100.58	
PERIOD		2.85906	ug/m^3	R-256	418817.54	3752853.99	99.78	0.00	99.78	
PERIOD		3.89204	ug/m^3	R-257	418817.54	3752873.99	98.55	0.00	98.55	
PERIOD		5.75413	ug/m^3	R-258	418817.54	3752893.99	97.94	0.00	97.94	
PERIOD		9.29583	ug/m^3	R-259	418817.54	3752913.99	97.44	0.00	97.44	
PERIOD		1.67041	ug/m^3	R-260	418817.54	3753073.99	102.96	0.00	102.96	
PERIOD		1.34608	ug/m^3	R-261	418817.54	3753093.99	102.76	0.00	102.76	
PERIOD		1.10595	ug/m^3	R-262	418817.54	3753113.99	103.01	0.00	103.01	
PERIOD		0.92558	ug/m^3	R-263	418817.54	3753133.99	103.40	0.00	103.40	
PERIOD		0.78599	ug/m^3	R-264	418817.54	3753153.99	103.92	0.00	103.92	
PERIOD		0.67852	ug/m^3	R-265	418817.54	3753173.99	103.95	0.00	103.95	
PERIOD		0.59258	ug/m^3	R-266	418817.54	3753193.99	103.93	0.00	103.93	
PERIOD		0.52255	ug/m^3	R-267	418817.54	3753213.99	103.91	0.00	103.91	
PERIOD		0.69667	ug/m^3	R-268	418837.54	3752653.99	103.44	0.00	103.44	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.75283	ug/m^3	R-269	418837.54	3752673.99	103.54	0.00	103.54	
PERIOD		0.81242	ug/m^3	R-270	418837.54	3752693.99	103.86	0.00	103.86	
PERIOD		0.88309	ug/m^3	R-271	418837.54	3752713.99	103.82	0.00	103.82	
PERIOD		0.96589	ug/m^3	R-272	418837.54	3752733.99	103.63	0.00	103.63	
PERIOD		1.06463	ug/m^3	R-273	418837.54	3752753.99	103.30	0.00	103.30	
PERIOD		1.17201	ug/m^3	R-274	418837.54	3752773.99	103.61	0.00	103.61	
PERIOD		1.30970	ug/m^3	R-275	418837.54	3752793.99	103.57	0.00	103.57	
PERIOD		1.49661	ug/m^3	R-276	418837.54	3752813.99	102.99	0.00	102.99	
PERIOD		1.77456	ug/m^3	R-277	418837.54	3752833.99	101.66	0.00	101.66	
PERIOD		2.16405	ug/m^3	R-278	418837.54	3752853.99	100.34	0.00	108.70	
PERIOD		2.71994	ug/m^3	R-279	418837.54	3752873.99	99.24	0.00	108.70	
PERIOD		3.47018	ug/m^3	R-280	418837.54	3752893.99	99.05	0.00	108.70	
PERIOD		4.39782	ug/m^3	R-281	418837.54	3752913.99	98.88	0.00	98.88	
PERIOD		1.31975	ug/m^3	R-282	418837.54	3753093.99	102.75	0.00	102.75	
PERIOD		1.10564	ug/m^3	R-283	418837.54	3753113.99	102.77	0.00	102.77	
PERIOD		0.93780	ug/m^3	R-284	418837.54	3753133.99	102.90	0.00	102.90	
PERIOD		0.80417	ug/m^3	R-285	418837.54	3753153.99	103.16	0.00	103.16	
PERIOD		0.69791	ug/m^3	R-286	418837.54	3753173.99	103.18	0.00	103.18	
PERIOD		0.61130	ug/m^3	R-287	418837.54	3753193.99	103.27	0.00	103.27	
PERIOD		0.60301	ug/m^3	R-288	418857.54	3752653.99	104.21	0.00	104.21	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.64820	ug/m^3	R-289	418857.54	3752673.99	104.36	0.00	104.36	
PERIOD		0.69578	ug/m^3	R-290	418857.54	3752693.99	104.74	0.00	104.74	
PERIOD		0.74991	ug/m^3	R-291	418857.54	3752713.99	104.98	0.00	104.98	
PERIOD		0.81446	ug/m^3	R-292	418857.54	3752733.99	104.90	0.00	104.90	
PERIOD		0.89252	ug/m^3	R-293	418857.54	3752753.99	104.50	0.00	104.50	
PERIOD		0.98034	ug/m^3	R-294	418857.54	3752773.99	104.44	0.00	104.44	
PERIOD		1.08895	ug/m^3	R-295	418857.54	3752793.99	104.13	0.00	104.13	
PERIOD		1.22856	ug/m^3	R-296	418857.54	3752813.99	103.44	0.00	103.44	
PERIOD		1.41989	ug/m^3	R-297	418857.54	3752833.99	102.12	0.00	108.96	
PERIOD		1.67456	ug/m^3	R-298	418857.54	3752853.99	100.89	0.00	109.75	
PERIOD		1.98236	ug/m^3	R-299	418857.54	3752873.99	100.00	0.00	109.75	
PERIOD		2.32352	ug/m^3	R-300	418857.54	3752893.99	100.06	0.00	108.70	
PERIOD		2.67211	ug/m^3	R-301	418857.54	3752913.99	100.09	0.00	100.09	
PERIOD		2.97830	ug/m^3	R-302	418857.54	3752933.99	99.36	0.00	99.36	
PERIOD		1.24536	ug/m^3	R-303	418857.54	3753093.99	102.25	0.00	102.25	
PERIOD		1.06686	ug/m^3	R-304	418857.54	3753113.99	102.48	0.00	102.48	
PERIOD		0.92051	ug/m^3	R-305	418857.54	3753133.99	102.62	0.00	102.62	
PERIOD		0.80025	ug/m^3	R-306	418857.54	3753153.99	102.68	0.00	102.68	
PERIOD		0.70101	ug/m^3	R-307	418857.54	3753173.99	102.67	0.00	102.67	
PERIOD		0.52766	ug/m^3	R-308	418877.54	3752653.99	104.97	0.00	104.97	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.56445	ug/m^3	R-309	418877.54	3752673.99	105.16	0.00	105.16	
PERIOD		0.60285	ug/m^3	R-310	418877.54	3752693.99	105.59	0.00	105.59	
PERIOD		0.64521	ug/m^3	R-311	418877.54	3752713.99	106.02	0.00	106.02	
PERIOD		0.69608	ug/m^3	R-312	418877.54	3752733.99	106.02	0.00	106.02	
PERIOD		0.75771	ug/m^3	R-313	418877.54	3752753.99	105.62	0.00	105.62	
PERIOD		0.82967	ug/m^3	R-314	418877.54	3752773.99	105.18	0.00	105.18	
PERIOD		0.91527	ug/m^3	R-315	418877.54	3752793.99	104.65	0.00	104.65	
PERIOD		1.01896	ug/m^3	R-316	418877.54	3752813.99	103.97	0.00	108.96	
PERIOD		1.15026	ug/m^3	R-317	418877.54	3752833.99	102.90	0.00	109.90	
PERIOD		1.31132	ug/m^3	R-318	418877.54	3752853.99	101.85	0.00	109.90	
PERIOD		1.50059	ug/m^3	R-319	418877.54	3752873.99	100.94	0.00	109.90	
PERIOD		1.67891	ug/m^3	R-320	418877.54	3752893.99	100.98	0.00	109.75	
PERIOD		1.84183	ug/m^3	R-321	418877.54	3752913.99	101.10	0.00	101.10	
PERIOD		1.97842	ug/m^3	R-322	418877.54	3752933.99	100.78	0.00	100.78	
PERIOD		0.88075	ug/m^3	R-323	418877.54	3753133.99	102.04	0.00	102.04	
PERIOD		0.77664	ug/m^3	R-324	418877.54	3753153.99	102.31	0.00	102.31	
PERIOD		0.68842	ug/m^3	R-325	418877.54	3753173.99	102.40	0.00	102.40	
PERIOD		0.61282	ug/m^3	R-326	418877.54	3753193.99	102.57	0.00	102.57	
PERIOD		0.46576	ug/m^3	R-327	418897.54	3752653.99	105.72	0.00	105.72	
PERIOD		0.49606	ug/m^3	R-328	418897.54	3752673.99	105.95	0.00	105.95	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.52747	ug/m^3	R-329	418897.54	3752693.99	106.41	0.00	106.41	
PERIOD		0.56120	ug/m^3	R-330	418897.54	3752713.99	106.97	0.00	106.97	
PERIOD		0.60144	ug/m^3	R-331	418897.54	3752733.99	107.07	0.00	107.07	
PERIOD		0.64994	ug/m^3	R-332	418897.54	3752753.99	106.72	0.00	106.72	
PERIOD		0.70648	ug/m^3	R-333	418897.54	3752773.99	106.23	0.00	106.23	
PERIOD		0.77105	ug/m^3	R-334	418897.54	3752793.99	105.80	0.00	108.96	
PERIOD		0.84458	ug/m^3	R-335	418897.54	3752813.99	105.46	0.00	108.96	
PERIOD		0.93374	ug/m^3	R-336	418897.54	3752833.99	104.70	0.00	109.90	
PERIOD		1.03861	ug/m^3	R-337	418897.54	3752853.99	103.67	0.00	109.90	
PERIOD		1.16018	ug/m^3	R-338	418897.54	3752873.99	102.28	0.00	109.90	
PERIOD		1.26857	ug/m^3	R-339	418897.54	3752893.99	101.96	0.00	109.75	
PERIOD		1.35726	ug/m^3	R-340	418897.54	3752913.99	102.00	0.00	102.00	
PERIOD		1.41786	ug/m^3	R-341	418897.54	3752933.99	102.30	0.00	102.30	
PERIOD		1.48472	ug/m^3	R-342	418897.54	3752953.99	101.46	0.00	101.46	
PERIOD		0.66298	ug/m^3	R-343	418897.54	3753173.99	102.26	0.00	102.26	
PERIOD		0.59647	ug/m^3	R-344	418897.54	3753193.99	102.58	0.00	102.58	
PERIOD		0.41417	ug/m^3	R-345	418917.54	3752653.99	106.47	0.00	106.47	
PERIOD		0.43937	ug/m^3	R-346	418917.54	3752673.99	106.74	0.00	106.74	
PERIOD		0.46509	ug/m^3	R-347	418917.54	3752693.99	107.25	0.00	107.25	
PERIOD		0.49215	ug/m^3	R-348	418917.54	3752713.99	107.92	0.00	107.92	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.52398	ug/m^3	R-349	418917.54	3752733.99	108.14	0.00	108.14	
PERIOD		0.56168	ug/m^3	R-350	418917.54	3752753.99	107.95	0.00	107.95	
PERIOD		0.60223	ug/m^3	R-351	418917.54	3752773.99	108.04	0.00	108.04	
PERIOD		0.64663	ug/m^3	R-352	418917.54	3752793.99	108.27	0.00	108.27	
PERIOD		0.69474	ug/m^3	R-353	418917.54	3752813.99	108.65	0.00	108.96	
PERIOD		0.75230	ug/m^3	R-354	418917.54	3752833.99	108.46	0.00	108.46	
PERIOD		0.82344	ug/m^3	R-355	418917.54	3752853.99	107.33	0.00	108.70	
PERIOD		0.91470	ug/m^3	R-356	418917.54	3752873.99	104.70	0.00	109.75	
PERIOD		0.99058	ug/m^3	R-357	418917.54	3752893.99	103.48	0.00	109.75	
PERIOD		1.04963	ug/m^3	R-358	418917.54	3752913.99	103.01	0.00	107.67	
PERIOD		1.08068	ug/m^3	R-359	418917.54	3752933.99	103.65	0.00	103.65	
PERIOD		1.11123	ug/m^3	R-360	418917.54	3752953.99	103.37	0.00	103.37	
PERIOD		1.13571	ug/m^3	R-361	418917.54	3752973.99	102.58	0.00	105.97	
PERIOD		0.57161	ug/m^3	R-362	418917.54	3753193.99	102.46	0.00	102.46	
PERIOD		0.52118	ug/m^3	R-363	418917.54	3753213.99	102.62	0.00	102.62	
PERIOD		0.37071	ug/m^3	R-364	418937.54	3752653.99	107.19	0.00	107.19	
PERIOD		0.39186	ug/m^3	R-365	418937.54	3752673.99	107.47	0.00	107.47	
PERIOD		0.41345	ug/m^3	R-366	418937.54	3752693.99	107.95	0.00	107.95	
PERIOD		0.43575	ug/m^3	R-367	418937.54	3752713.99	108.60	0.00	108.60	
PERIOD		0.46143	ug/m^3	R-368	418937.54	3752733.99	108.87	0.00	108.87	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.49115	ug/m^3	R-369	418937.54	3752753.99	108.80	0.00	108.80	
PERIOD		0.52159	ug/m^3	R-370	418937.54	3752773.99	109.17	0.00	109.17	
PERIOD		0.55536	ug/m^3	R-371	418937.54	3752793.99	109.45	0.00	109.45	
PERIOD		0.59267	ug/m^3	R-372	418937.54	3752813.99	109.62	0.00	109.62	
PERIOD		0.63430	ug/m^3	R-373	418937.54	3752833.99	109.52	0.00	109.52	
PERIOD		0.68241	ug/m^3	R-374	418937.54	3752853.99	108.78	0.00	108.78	
PERIOD		0.73951	ug/m^3	R-375	418937.54	3752873.99	106.99	0.00	106.99	
PERIOD		0.79491	ug/m^3	R-376	418937.54	3752893.99	105.21	0.00	109.07	
PERIOD		0.83899	ug/m^3	R-377	418937.54	3752913.99	104.10	0.00	104.10	
PERIOD		0.85950	ug/m^3	R-378	418937.54	3752933.99	104.59	0.00	104.59	
PERIOD		0.87359	ug/m^3	R-379	418937.54	3752953.99	104.88	0.00	104.88	
PERIOD		0.88505	ug/m^3	R-380	418937.54	3752973.99	104.74	0.00	105.97	
PERIOD		0.90284	ug/m^3	R-381	418937.54	3752993.99	103.23	0.00	112.00	
PERIOD		0.49775	ug/m^3	R-382	418937.54	3753213.99	102.68	0.00	102.68	
PERIOD		0.33371	ug/m^3	R-383	418957.54	3752653.99	107.91	0.00	107.91	
PERIOD		0.35170	ug/m^3	R-384	418957.54	3752673.99	108.14	0.00	108.14	
PERIOD		0.37004	ug/m^3	R-385	418957.54	3752693.99	108.53	0.00	108.53	
PERIOD		0.38874	ug/m^3	R-386	418957.54	3752713.99	109.11	0.00	109.11	
PERIOD		0.40988	ug/m^3	R-387	418957.54	3752733.99	109.35	0.00	109.35	
PERIOD		0.43379	ug/m^3	R-388	418957.54	3752753.99	109.32	0.00	109.32	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.45776	ug/m^3	R-389	418957.54	3752773.99	109.72	0.00	109.72	
PERIOD		0.48445	ug/m^3	R-390	418957.54	3752793.99	109.92	0.00	109.92	
PERIOD		0.51406	ug/m^3	R-391	418957.54	3752813.99	109.88	0.00	109.88	
PERIOD		0.54551	ug/m^3	R-392	418957.54	3752833.99	109.74	0.00	109.74	
PERIOD		0.57899	ug/m^3	R-393	418957.54	3752853.99	109.32	0.00	109.32	
PERIOD		0.61430	ug/m^3	R-394	418957.54	3752873.99	108.47	0.00	108.47	
PERIOD		0.65407	ug/m^3	R-395	418957.54	3752893.99	106.62	0.00	109.07	
PERIOD		0.68701	ug/m^3	R-396	418957.54	3752913.99	105.20	0.00	105.20	
PERIOD		0.70386	ug/m^3	R-397	418957.54	3752933.99	105.23	0.00	105.23	
PERIOD		0.71256	ug/m^3	R-398	418957.54	3752953.99	105.61	0.00	105.61	
PERIOD		0.71782	ug/m^3	R-399	418957.54	3752973.99	105.87	0.00	105.87	
PERIOD		0.72587	ug/m^3	R-400	418957.54	3752993.99	105.28	0.00	112.00	
PERIOD		0.73110	ug/m^3	R-401	418957.54	3753013.99	104.45	0.00	112.22	
PERIOD		0.73071	ug/m^3	R-402	418957.54	3753033.99	103.51	0.00	112.22	
PERIOD		0.46991	ug/m^3	R-403	418957.54	3753213.99	102.80	0.00	102.80	
PERIOD		0.30200	ug/m^3	R-404	418977.54	3752653.99	108.55	0.00	108.55	
PERIOD		0.31749	ug/m^3	R-405	418977.54	3752673.99	108.70	0.00	108.70	
PERIOD		0.33332	ug/m^3	R-406	418977.54	3752693.99	108.95	0.00	108.95	
PERIOD		0.34934	ug/m^3	R-407	418977.54	3752713.99	109.38	0.00	109.38	
PERIOD		0.36694	ug/m^3	R-408	418977.54	3752733.99	109.58	0.00	109.58	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.38621	ug/m^3	R-409	418977.54	3752753.99	109.62	0.00	109.62	
PERIOD		0.40562	ug/m^3	R-410	418977.54	3752773.99	109.95	0.00	109.95	
PERIOD		0.42699	ug/m^3	R-411	418977.54	3752793.99	110.06	0.00	110.06	
PERIOD		0.45037	ug/m^3	R-412	418977.54	3752813.99	109.92	0.00	109.92	
PERIOD		0.47480	ug/m^3	R-413	418977.54	3752833.99	109.67	0.00	109.67	
PERIOD		0.49896	ug/m^3	R-414	418977.54	3752853.99	109.43	0.00	109.43	
PERIOD		0.52174	ug/m^3	R-415	418977.54	3752873.99	109.20	0.00	109.20	
PERIOD		0.54939	ug/m^3	R-416	418977.54	3752893.99	107.67	0.00	107.67	
PERIOD		0.57323	ug/m^3	R-417	418977.54	3752913.99	106.30	0.00	106.30	
PERIOD		0.58815	ug/m^3	R-418	418977.54	3752933.99	105.82	0.00	105.82	
PERIOD		0.59566	ug/m^3	R-419	418977.54	3752953.99	105.95	0.00	105.95	
PERIOD		0.59853	ug/m^3	R-420	418977.54	3752973.99	106.35	0.00	106.35	
PERIOD		0.59730	ug/m^3	R-421	418977.54	3752993.99	107.06	0.00	112.00	
PERIOD		0.59626	ug/m^3	R-422	418977.54	3753013.99	107.41	0.00	112.00	
PERIOD		0.59561	ug/m^3	R-423	418977.54	3753033.99	107.28	0.00	112.22	
PERIOD		0.60022	ug/m^3	R-424	418977.54	3753053.99	105.45	0.00	112.22	
PERIOD		0.27461	ug/m^3	R-425	418997.54	3752653.99	109.12	0.00	109.12	
PERIOD		0.28806	ug/m^3	R-426	418997.54	3752673.99	109.17	0.00	109.17	
PERIOD		0.30188	ug/m^3	R-427	418997.54	3752693.99	109.25	0.00	109.25	
PERIOD		0.31592	ug/m^3	R-428	418997.54	3752713.99	109.45	0.00	109.45	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.33064	ug/m^3	R-429	418997.54	3752733.99	109.63	0.00	109.63	
PERIOD		0.34607	ug/m^3	R-430	418997.54	3752753.99	109.80	0.00	109.80	
PERIOD		0.36159	ug/m^3	R-431	418997.54	3752773.99	110.16	0.00	110.16	
PERIOD		0.37855	ug/m^3	R-432	418997.54	3752793.99	110.26	0.00	110.26	
PERIOD		0.39686	ug/m^3	R-433	418997.54	3752813.99	110.10	0.00	110.10	
PERIOD		0.41618	ug/m^3	R-434	418997.54	3752833.99	109.71	0.00	109.71	
PERIOD		0.43450	ug/m^3	R-435	418997.54	3752853.99	109.46	0.00	109.46	
PERIOD		0.45056	ug/m^3	R-436	418997.54	3752873.99	109.44	0.00	109.44	
PERIOD		0.46933	ug/m^3	R-437	418997.54	3752893.99	108.40	0.00	108.40	
PERIOD		0.48576	ug/m^3	R-438	418997.54	3752913.99	107.36	0.00	107.36	
PERIOD		0.49777	ug/m^3	R-439	418997.54	3752933.99	106.70	0.00	106.70	
PERIOD		0.50424	ug/m^3	R-440	418997.54	3752953.99	106.63	0.00	106.63	
PERIOD		0.50588	ug/m^3	R-441	418997.54	3752973.99	107.10	0.00	111.45	
PERIOD		0.50018	ug/m^3	R-442	418997.54	3752993.99	108.74	0.00	111.45	
PERIOD		0.49323	ug/m^3	R-443	418997.54	3753013.99	110.44	0.00	110.44	
PERIOD		0.48774	ug/m^3	R-444	418997.54	3753033.99	111.70	0.00	111.70	
PERIOD		0.49245	ug/m^3	R-445	418997.54	3753053.99	110.51	0.00	110.51	
PERIOD		0.49950	ug/m^3	R-446	418997.54	3753073.99	108.05	0.00	112.00	
PERIOD		0.50388	ug/m^3	R-447	418997.54	3753093.99	104.99	0.00	112.22	
PERIOD		0.49715	ug/m^3	R-448	418997.54	3753113.99	103.63	0.00	112.03	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.48486	ug/m^3	R-449	418997.54	3753133.99	102.94	0.00	112.03	
PERIOD		0.25057	ug/m^3	R-450	419017.54	3752653.99	109.72	0.00	109.72	
PERIOD		0.26203	ug/m^3	R-451	419017.54	3752673.99	109.80	0.00	109.80	
PERIOD		0.27382	ug/m^3	R-452	419017.54	3752693.99	109.86	0.00	109.86	
PERIOD		0.28580	ug/m^3	R-453	419017.54	3752713.99	109.99	0.00	109.99	
PERIOD		0.29822	ug/m^3	R-454	419017.54	3752733.99	110.09	0.00	110.09	
PERIOD		0.31118	ug/m^3	R-455	419017.54	3752753.99	110.15	0.00	110.15	
PERIOD		0.32425	ug/m^3	R-456	419017.54	3752773.99	110.31	0.00	110.31	
PERIOD		0.33795	ug/m^3	R-457	419017.54	3752793.99	110.35	0.00	110.35	
PERIOD		0.35221	ug/m^3	R-458	419017.54	3752813.99	110.24	0.00	110.24	
PERIOD		0.36761	ug/m^3	R-459	419017.54	3752833.99	109.74	0.00	109.74	
PERIOD		0.38194	ug/m^3	R-460	419017.54	3752853.99	109.41	0.00	109.41	
PERIOD		0.39417	ug/m^3	R-461	419017.54	3752873.99	109.36	0.00	109.36	
PERIOD		0.40711	ug/m^3	R-462	419017.54	3752893.99	108.72	0.00	108.72	
PERIOD		0.41834	ug/m^3	R-463	419017.54	3752913.99	108.05	0.00	108.05	
PERIOD		0.42698	ug/m^3	R-464	419017.54	3752933.99	107.53	0.00	107.53	
PERIOD		0.43107	ug/m^3	R-465	419017.54	3752953.99	107.66	0.00	107.66	
PERIOD		0.43110	ug/m^3	R-466	419017.54	3752973.99	108.39	0.00	111.45	
PERIOD		0.42485	ug/m^3	R-467	419017.54	3752993.99	110.36	0.00	111.45	
PERIOD		0.42150	ug/m^3	R-468	419017.54	3753013.99	111.50	0.00	111.50	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.42001	ug/m^3	R-469	419017.54	3753033.99	112.10	0.00	112.10	
PERIOD		0.42184	ug/m^3	R-470	419017.54	3753053.99	111.71	0.00	111.71	
PERIOD		0.42923	ug/m^3	R-471	419017.54	3753073.99	109.45	0.00	112.00	
PERIOD		0.43694	ug/m^3	R-472	419017.54	3753093.99	106.20	0.00	112.03	
PERIOD		0.43612	ug/m^3	R-473	419017.54	3753113.99	104.43	0.00	112.03	
PERIOD		0.42915	ug/m^3	R-474	419017.54	3753133.99	103.71	0.00	112.03	
PERIOD		0.41764	ug/m^3	R-475	419017.54	3753153.99	103.85	0.00	103.85	
PERIOD		0.40678	ug/m^3	R-476	419017.54	3753173.99	102.92	0.00	102.92	
PERIOD		0.22863	ug/m^3	R-477	419037.54	3752653.99	110.83	0.00	110.83	
PERIOD		0.23839	ug/m^3	R-478	419037.54	3752673.99	110.93	0.00	110.93	
PERIOD		0.24852	ug/m^3	R-479	419037.54	3752693.99	110.92	0.00	110.92	
PERIOD		0.25889	ug/m^3	R-480	419037.54	3752713.99	110.89	0.00	110.89	
PERIOD		0.26965	ug/m^3	R-481	419037.54	3752733.99	110.79	0.00	110.79	
PERIOD		0.28079	ug/m^3	R-482	419037.54	3752753.99	110.64	0.00	110.64	
PERIOD		0.29212	ug/m^3	R-483	419037.54	3752773.99	110.50	0.00	110.50	
PERIOD		0.30355	ug/m^3	R-484	419037.54	3752793.99	110.37	0.00	110.37	
PERIOD		0.31492	ug/m^3	R-485	419037.54	3752813.99	110.24	0.00	110.24	
PERIOD		0.32722	ug/m^3	R-486	419037.54	3752833.99	109.69	0.00	109.69	
PERIOD		0.33849	ug/m^3	R-487	419037.54	3752853.99	109.32	0.00	109.32	
PERIOD		0.34795	ug/m^3	R-488	419037.54	3752873.99	109.24	0.00	109.24	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.35683	ug/m^3	R-489	419037.54	3752893.99	108.96	0.00	108.96	
PERIOD		0.36444	ug/m^3	R-490	419037.54	3752913.99	108.63	0.00	108.63	
PERIOD		0.37069	ug/m^3	R-491	419037.54	3752933.99	108.26	0.00	108.26	
PERIOD		0.37339	ug/m^3	R-492	419037.54	3752953.99	108.50	0.00	108.50	
PERIOD		0.37308	ug/m^3	R-493	419037.54	3752973.99	109.26	0.00	109.26	
PERIOD		0.36831	ug/m^3	R-494	419037.54	3752993.99	111.05	0.00	111.05	
PERIOD		0.36667	ug/m^3	R-495	419037.54	3753013.99	111.84	0.00	111.84	
PERIOD		0.36656	ug/m^3	R-496	419037.54	3753033.99	112.14	0.00	112.14	
PERIOD		0.36750	ug/m^3	R-497	419037.54	3753053.99	112.05	0.00	112.05	
PERIOD		0.37380	ug/m^3	R-498	419037.54	3753073.99	110.11	0.00	112.03	
PERIOD		0.38126	ug/m^3	R-499	419037.54	3753093.99	107.20	0.00	112.03	
PERIOD		0.38319	ug/m^3	R-500	419037.54	3753113.99	105.36	0.00	112.03	
PERIOD		0.37965	ug/m^3	R-501	419037.54	3753133.99	104.72	0.00	104.72	
PERIOD		0.37199	ug/m^3	R-502	419037.54	3753153.99	105.02	0.00	105.02	
PERIOD		0.36539	ug/m^3	R-503	419037.54	3753173.99	104.08	0.00	104.08	
PERIOD		0.21011	ug/m^3	R-504	419057.54	3752653.99	111.41	0.00	111.41	
PERIOD		0.21858	ug/m^3	R-505	419057.54	3752673.99	111.48	0.00	111.48	
PERIOD		0.22735	ug/m^3	R-506	419057.54	3752693.99	111.41	0.00	111.41	
PERIOD		0.23637	ug/m^3	R-507	419057.54	3752713.99	111.27	0.00	111.27	
PERIOD		0.24562	ug/m^3	R-508	419057.54	3752733.99	111.07	0.00	111.07	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.25508	ug/m^3	R-509	419057.54	3752753.99	110.83	0.00	110.83	
PERIOD		0.26455	ug/m^3	R-510	419057.54	3752773.99	110.62	0.00	110.62	
PERIOD		0.27386	ug/m^3	R-511	419057.54	3752793.99	110.47	0.00	110.47	
PERIOD		0.28287	ug/m^3	R-512	419057.54	3752813.99	110.37	0.00	110.37	
PERIOD		0.29251	ug/m^3	R-513	419057.54	3752833.99	109.88	0.00	109.88	
PERIOD		0.30122	ug/m^3	R-514	419057.54	3752853.99	109.56	0.00	109.56	
PERIOD		0.30847	ug/m^3	R-515	419057.54	3752873.99	109.50	0.00	109.50	
PERIOD		0.31465	ug/m^3	R-516	419057.54	3752893.99	109.47	0.00	109.47	
PERIOD		0.31999	ug/m^3	R-517	419057.54	3752913.99	109.34	0.00	109.34	
PERIOD		0.32475	ug/m^3	R-518	419057.54	3752933.99	109.02	0.00	109.02	
PERIOD		0.32661	ug/m^3	R-519	419057.54	3752953.99	109.31	0.00	109.31	
PERIOD		0.32640	ug/m^3	R-520	419057.54	3752973.99	109.99	0.00	109.99	
PERIOD		0.32344	ug/m^3	R-521	419057.54	3752993.99	111.37	0.00	111.37	
PERIOD		0.32273	ug/m^3	R-522	419057.54	3753013.99	111.91	0.00	111.91	
PERIOD		0.32298	ug/m^3	R-523	419057.54	3753033.99	112.09	0.00	112.09	
PERIOD		0.32381	ug/m^3	R-524	419057.54	3753053.99	112.04	0.00	112.04	
PERIOD		0.32839	ug/m^3	R-525	419057.54	3753073.99	110.58	0.00	110.58	
PERIOD		0.33403	ug/m^3	R-526	419057.54	3753093.99	108.39	0.00	112.03	
PERIOD		0.33684	ug/m^3	R-527	419057.54	3753113.99	106.73	0.00	110.04	
PERIOD		0.33559	ug/m^3	R-528	419057.54	3753133.99	106.10	0.00	106.10	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.33119	ug/m^3	R-529	419057.54	3753153.99	106.26	0.00	106.26	
PERIOD		0.32698	ug/m^3	R-530	419057.54	3753173.99	105.67	0.00	105.67	
PERIOD		0.32173	ug/m^3	R-531	419057.54	3753193.99	104.86	0.00	107.00	
PERIOD		0.19421	ug/m^3	R-532	419077.54	3752653.99	111.57	0.00	111.57	
PERIOD		0.20166	ug/m^3	R-533	419077.54	3752673.99	111.58	0.00	111.58	
PERIOD		0.20926	ug/m^3	R-534	419077.54	3752693.99	111.51	0.00	111.51	
PERIOD		0.21711	ug/m^3	R-535	419077.54	3752713.99	111.30	0.00	111.30	
PERIOD		0.22501	ug/m^3	R-536	419077.54	3752733.99	111.08	0.00	111.08	
PERIOD		0.23293	ug/m^3	R-537	419077.54	3752753.99	110.86	0.00	110.86	
PERIOD		0.24047	ug/m^3	R-538	419077.54	3752773.99	110.81	0.00	110.81	
PERIOD		0.27439	ug/m^3	R-539	419077.54	3752873.99	110.19	0.00	110.19	
PERIOD		0.27880	ug/m^3	R-540	419077.54	3752893.99	110.30	0.00	110.30	
PERIOD		0.28277	ug/m^3	R-541	419077.54	3752913.99	110.23	0.00	110.23	
PERIOD		0.28675	ug/m^3	R-542	419077.54	3752933.99	109.82	0.00	109.82	
PERIOD		0.28804	ug/m^3	R-543	419077.54	3752953.99	110.14	0.00	110.14	
PERIOD		0.28788	ug/m^3	R-544	419077.54	3752973.99	110.75	0.00	110.75	
PERIOD		0.28638	ug/m^3	R-545	419077.54	3752993.99	111.68	0.00	111.68	
PERIOD		0.28623	ug/m^3	R-546	419077.54	3753013.99	112.01	0.00	112.01	
PERIOD		0.28669	ug/m^3	R-547	419077.54	3753033.99	112.08	0.00	112.08	
PERIOD		0.28752	ug/m^3	R-548	419077.54	3753053.99	112.00	0.00	112.00	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.29010	ug/m^3	R-549	419077.54	3753073.99	111.19	0.00	111.19	
PERIOD		0.29332	ug/m^3	R-550	419077.54	3753093.99	109.97	0.00	109.97	
PERIOD		0.29602	ug/m^3	R-551	419077.54	3753113.99	108.65	0.00	108.65	
PERIOD		0.29660	ug/m^3	R-552	419077.54	3753133.99	107.85	0.00	107.85	
PERIOD		0.29526	ug/m^3	R-553	419077.54	3753153.99	107.46	0.00	107.46	
PERIOD		0.29259	ug/m^3	R-554	419077.54	3753173.99	107.20	0.00	107.20	
PERIOD		0.29031	ug/m^3	R-555	419077.54	3753193.99	106.07	0.00	106.07	
PERIOD		0.24569	ug/m^3	R-556	419097.54	3752873.99	110.88	0.00	110.88	
PERIOD		0.24911	ug/m^3	R-557	419097.54	3752893.99	110.97	0.00	110.97	
PERIOD		0.25219	ug/m^3	R-558	419097.54	3752913.99	110.90	0.00	110.90	
PERIOD		0.25539	ug/m^3	R-559	419097.54	3752933.99	110.48	0.00	110.48	
PERIOD		0.25623	ug/m^3	R-560	419097.54	3752953.99	110.83	0.00	110.83	
PERIOD		0.25616	ug/m^3	R-561	419097.54	3752973.99	111.34	0.00	111.34	
PERIOD		0.25579	ug/m^3	R-562	419097.54	3752993.99	111.82	0.00	111.82	
PERIOD		0.25606	ug/m^3	R-563	419097.54	3753013.99	111.94	0.00	111.94	
PERIOD		0.25662	ug/m^3	R-564	419097.54	3753033.99	111.91	0.00	111.91	
PERIOD		0.25740	ug/m^3	R-565	419097.54	3753053.99	111.79	0.00	111.79	
PERIOD		0.25883	ug/m^3	R-566	419097.54	3753073.99	111.39	0.00	111.39	
PERIOD		0.26053	ug/m^3	R-567	419097.54	3753093.99	110.81	0.00	110.81	
PERIOD		0.26237	ug/m^3	R-568	419097.54	3753113.99	110.02	0.00	110.02	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.26364	ug/m^3	R-569	419097.54	3753133.99	109.24	0.00	109.24	
PERIOD		0.26413	ug/m^3	R-570	419097.54	3753153.99	108.49	0.00	108.49	
PERIOD		0.26262	ug/m^3	R-571	419097.54	3753173.99	108.38	0.00	108.38	
PERIOD		0.50163	ug/m^3	R-572	418760.41	3752501.60	104.26	0.00	104.26	
PERIOD		0.57884	ug/m^3	R-573	418760.41	3752521.60	104.21	0.00	104.21	
PERIOD		0.67083	ug/m^3	R-574	418760.41	3752541.60	103.99	0.00	103.99	
PERIOD		0.78048	ug/m^3	R-575	418760.41	3752561.60	103.42	0.00	103.42	
PERIOD		0.90967	ug/m^3	R-576	418760.41	3752581.60	102.36	0.00	102.36	
PERIOD		0.45407	ug/m^3	R-577	418780.41	3752501.60	104.33	0.00	104.33	
PERIOD		0.51618	ug/m^3	R-578	418780.41	3752521.60	104.38	0.00	104.38	
PERIOD		0.58767	ug/m^3	R-579	418780.41	3752541.60	104.31	0.00	104.31	
PERIOD		0.67128	ug/m^3	R-580	418780.41	3752561.60	103.78	0.00	103.78	
PERIOD		0.76749	ug/m^3	R-581	418780.41	3752581.60	102.82	0.00	102.82	
PERIOD		0.41256	ug/m^3	R-582	418800.41	3752501.60	104.32	0.00	104.32	
PERIOD		0.46325	ug/m^3	R-583	418800.41	3752521.60	104.43	0.00	104.43	
PERIOD		0.52019	ug/m^3	R-584	418800.41	3752541.60	104.45	0.00	104.45	
PERIOD		0.58546	ug/m^3	R-585	418800.41	3752561.60	104.01	0.00	104.01	
PERIOD		0.65879	ug/m^3	R-586	418800.41	3752581.60	103.22	0.00	103.22	
PERIOD		0.37576	ug/m^3	R-587	418820.41	3752501.60	104.38	0.00	104.38	
PERIOD		0.41773	ug/m^3	R-588	418820.41	3752521.60	104.50	0.00	104.50	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.46403	ug/m^3	R-589	418820.41	3752541.60	104.55	0.00	104.55	
PERIOD		0.51590	ug/m^3	R-590	418820.41	3752561.60	104.23	0.00	104.23	
PERIOD		0.57323	ug/m^3	R-591	418820.41	3752581.60	103.61	0.00	103.61	
PERIOD		0.34279	ug/m^3	R-592	418840.41	3752501.60	104.64	0.00	104.64	
PERIOD		0.37779	ug/m^3	R-593	418840.41	3752521.60	104.76	0.00	104.76	
PERIOD		0.41583	ug/m^3	R-594	418840.41	3752541.60	104.85	0.00	104.85	
PERIOD		0.45797	ug/m^3	R-595	418840.41	3752561.60	104.60	0.00	104.60	
PERIOD		0.50389	ug/m^3	R-596	418840.41	3752581.60	104.09	0.00	104.09	
PERIOD		0.31393	ug/m^3	R-597	418860.41	3752501.60	104.83	0.00	104.83	
PERIOD		0.34346	ug/m^3	R-598	418860.41	3752521.60	104.95	0.00	104.95	
PERIOD		0.37518	ug/m^3	R-599	418860.41	3752541.60	105.06	0.00	105.06	
PERIOD		0.40996	ug/m^3	R-600	418860.41	3752561.60	104.86	0.00	104.86	
PERIOD		0.44737	ug/m^3	R-601	418860.41	3752581.60	104.48	0.00	104.48	
PERIOD		0.28877	ug/m^3	R-602	418880.41	3752501.60	104.88	0.00	104.88	
PERIOD		0.31389	ug/m^3	R-603	418880.41	3752521.60	105.02	0.00	105.02	
PERIOD		0.34059	ug/m^3	R-604	418880.41	3752541.60	105.16	0.00	105.16	
PERIOD		0.36955	ug/m^3	R-605	418880.41	3752561.60	105.06	0.00	105.06	
PERIOD		0.40023	ug/m^3	R-606	418880.41	3752581.60	104.86	0.00	104.86	
PERIOD		0.26637	ug/m^3	R-607	418900.41	3752501.60	104.94	0.00	104.94	
PERIOD		0.28792	ug/m^3	R-608	418900.41	3752521.60	105.10	0.00	105.10	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.31062	ug/m^3	R-609	418900.41	3752541.60	105.27	0.00	105.27	
PERIOD		0.33488	ug/m^3	R-610	418900.41	3752561.60	105.28	0.00	105.28	
PERIOD		0.36029	ug/m^3	R-611	418900.41	3752581.60	105.25	0.00	105.25	
PERIOD		0.24627	ug/m^3	R-612	418920.41	3752501.60	105.08	0.00	105.08	
PERIOD		0.26484	ug/m^3	R-613	418920.41	3752521.60	105.24	0.00	105.24	
PERIOD		0.28436	ug/m^3	R-614	418920.41	3752541.60	105.42	0.00	105.42	
PERIOD		0.30492	ug/m^3	R-615	418920.41	3752561.60	105.52	0.00	105.52	
PERIOD		0.32608	ug/m^3	R-616	418920.41	3752581.60	105.67	0.00	105.67	
PERIOD		0.22827	ug/m^3	R-617	418940.41	3752501.60	105.21	0.00	110.72	
PERIOD		0.24453	ug/m^3	R-618	418940.41	3752521.60	105.32	0.00	105.32	
PERIOD		0.26147	ug/m^3	R-619	418940.41	3752541.60	105.48	0.00	105.48	
PERIOD		0.27889	ug/m^3	R-620	418940.41	3752561.60	105.71	0.00	105.71	
PERIOD		0.29660	ug/m^3	R-621	418940.41	3752581.60	106.07	0.00	106.07	
PERIOD		0.96988	ug/m^3	W-001	418670.13	3752514.19	101.12	0.00	101.12	
PERIOD		1.25798	ug/m^3	W-002	418670.13	3752534.19	101.09	0.00	101.09	
PERIOD		1.71536	ug/m^3	W-003	418670.13	3752554.19	100.71	0.00	100.71	
PERIOD		2.49485	ug/m^3	W-004	418670.13	3752574.19	100.03	0.00	100.03	
PERIOD		0.85359	ug/m^3	W-005	418690.13	3752514.19	101.93	0.00	101.93	
PERIOD		1.06679	ug/m^3	W-006	418690.13	3752534.19	102.02	0.00	102.02	
PERIOD		1.38613	ug/m^3	W-007	418690.13	3752554.19	101.75	0.00	101.75	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		1.85006	ug/m^3	W-008	418690.13	3752574.19	101.11	0.00	101.11	
PERIOD		0.74973	ug/m^3	W-009	418710.13	3752514.19	102.38	0.00	102.38	
PERIOD		0.91468	ug/m^3	W-010	418710.13	3752534.19	102.36	0.00	102.36	
PERIOD		1.13678	ug/m^3	W-011	418710.13	3752554.19	102.09	0.00	102.09	
PERIOD		1.43909	ug/m^3	W-012	418710.13	3752574.19	101.52	0.00	101.52	
PERIOD		0.91732	ug/m^3	W-013	418598.52	3752483.46	95.67	0.00	96.95	
PERIOD		1.45543	ug/m^3	W-014	418609.32	3752518.47	96.86	0.00	96.86	
PERIOD		2.39162	ug/m^3	W-015	418594.64	3752543.74	96.85	0.00	96.85	
PERIOD		0.55746	ug/m^3	W-016	418456.33	3752435.62	93.39	0.00	93.39	
PERIOD		0.68248	ug/m^3	W-017	418456.33	3752455.62	94.93	0.00	94.93	
PERIOD		0.56650	ug/m^3	W-018	418476.33	3752435.62	92.37	0.00	92.37	
PERIOD		0.69405	ug/m^3	W-019	418476.33	3752455.62	94.04	0.00	94.04	
PERIOD		0.86903	ug/m^3	W-020	418476.33	3752475.62	95.56	0.00	95.56	
PERIOD		1.11842	ug/m^3	W-021	418476.33	3752495.62	96.62	0.00	96.62	
PERIOD		0.70153	ug/m^3	W-022	418496.33	3752455.62	93.19	0.00	93.19	
PERIOD		0.87917	ug/m^3	W-023	418496.33	3752475.62	95.14	0.00	95.14	
PERIOD		1.13152	ug/m^3	W-024	418496.33	3752495.62	96.41	0.00	96.41	
PERIOD		0.88322	ug/m^3	W-025	418516.33	3752475.62	94.16	0.00	95.51	
PERIOD		1.13771	ug/m^3	W-026	418516.33	3752495.62	95.83	0.00	95.83	
PERIOD		1.13552	ug/m^3	W-027	418536.33	3752495.62	94.77	0.00	96.78	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		2.17296	ug/m^3	W-028	418507.28	3752536.85	97.79	0.00	97.79	
PERIOD		2.13883	ug/m^3	W-029	418522.23	3752535.74	97.58	0.00	97.58	
PERIOD		5.70841	ug/m^3	W-030	418507.83	3752576.74	98.19	0.00	98.19	
PERIOD		5.84598	ug/m^3	W-031	418524.45	3752577.30	97.87	0.00	97.87	
PERIOD		8.23197	ug/m^3	W-032	418595.92	3752586.72	96.89	0.00	96.89	
PERIOD		5.23057	ug/m^3	W-033	418591.77	3752573.97	96.97	0.00	96.97	
PERIOD		5.07681	ug/m^3	W-034	418604.79	3752573.70	96.95	0.00	96.95	
PERIOD		1.93145	ug/m^3	W-035	418592.88	3752532.70	96.43	0.00	96.43	
PERIOD		1.13892	ug/m^3	W-036	418607.84	3752501.67	96.80	0.00	96.80	
PERIOD		6.10652	ug/m^3	W-037	418573.04	3752668.65	98.09	0.00	98.09	
PERIOD		6.59595	ug/m^3	W-038	418583.02	3752668.10	97.99	0.00	97.99	
PERIOD		7.76927	ug/m^3	W-039	418573.87	3752653.42	97.89	0.00	97.89	
PERIOD		8.01749	ug/m^3	W-040	418585.79	3752655.35	97.81	0.00	97.81	
PERIOD		8.26347	ug/m^3	W-041	418522.35	3752645.94	98.72	0.00	98.72	
PERIOD		7.93555	ug/m^3	W-042	418541.74	3752648.43	98.40	0.00	98.40	
PERIOD		5.72839	ug/m^3	W-043	418525.39	3752663.11	98.68	0.00	98.68	
PERIOD		5.89056	ug/m^3	W-044	418538.41	3752662.83	98.52	0.00	98.52	
PERIOD		3.73387	ug/m^3	W-045	418563.62	3752712.70	98.93	0.00	98.93	
PERIOD		4.21545	ug/m^3	W-046	418578.03	3752714.08	98.86	0.00	98.86	
PERIOD		3.28418	ug/m^3	W-047	418563.07	3752730.15	99.20	0.00	99.20	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		3.86590	ug/m^3	W-048	418579.42	3752729.60	99.06	0.00	99.06	
PERIOD		6.95791	ug/m^3	W-049	418426.49	3752650.09	100.45	0.00	100.45	
PERIOD		7.21858	ug/m^3	W-050	418446.99	3752649.26	100.16	0.00	100.16	
PERIOD		4.88626	ug/m^3	W-051	418396.03	3752664.30	100.70	0.00	100.70	
PERIOD		3.66795	ug/m^3	W-052	418394.64	3752679.26	100.54	0.00	100.54	
PERIOD		1.60432	ug/m^3	W-053	418385.22	3752737.44	100.29	0.00	100.29	
PERIOD		1.67427	ug/m^3	W-054	418398.52	3752738.27	100.39	0.00	100.39	
PERIOD		1.34351	ug/m^3	W-055	418384.95	3752754.62	100.26	0.00	100.26	
PERIOD		1.45328	ug/m^3	W-056	418396.58	3752751.57	100.41	0.00	100.41	
PERIOD		2.00030	ug/m^3	W-057	418429.83	3752730.24	100.38	0.00	100.38	
PERIOD		2.10399	ug/m^3	W-058	418451.71	3752730.52	100.36	0.00	100.36	
PERIOD		1.62686	ug/m^3	W-059	418429.27	3752751.57	100.62	0.00	100.62	
PERIOD		1.74427	ug/m^3	W-060	418452.27	3752751.29	100.68	0.00	100.68	
PERIOD		1.38727	ug/m^3	W-061	418428.72	3752770.13	100.76	0.00	100.76	
PERIOD		1.51523	ug/m^3	W-062	418453.38	3752769.30	100.87	0.00	100.87	
PERIOD		1.12780	ug/m^3	W-063	418431.21	3752799.22	100.90	0.00	100.90	
PERIOD		1.25174	ug/m^3	W-064	418456.70	3752798.11	101.02	0.00	101.02	
PERIOD		1.27503	ug/m^3	W-065	418488.56	3752815.77	101.09	0.00	101.09	
PERIOD		1.13875	ug/m^3	W-066	418488.56	3752835.77	101.21	0.00	101.21	
PERIOD		1.02300	ug/m^3	W-067	418488.56	3752855.77	101.58	0.00	101.58	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		1.39487	ug/m^3	W-068	418508.56	3752815.77	101.11	0.00	101.11	
PERIOD		1.24956	ug/m^3	W-069	418508.56	3752835.77	101.15	0.00	101.15	
PERIOD		1.12245	ug/m^3	W-070	418508.56	3752855.77	101.31	0.00	101.31	
PERIOD		1.54802	ug/m^3	W-071	418528.56	3752815.77	100.84	0.00	100.84	
PERIOD		1.38879	ug/m^3	W-072	418528.56	3752835.77	100.86	0.00	100.86	
PERIOD		1.24703	ug/m^3	W-073	418528.56	3752855.77	101.03	0.00	101.03	
PERIOD		1.75331	ug/m^3	W-074	418548.56	3752815.77	100.52	0.00	100.52	
PERIOD		1.56995	ug/m^3	W-075	418548.56	3752835.77	100.57	0.00	100.57	
PERIOD		1.40536	ug/m^3	W-076	418548.56	3752855.77	100.78	0.00	100.78	
PERIOD		2.04548	ug/m^3	W-077	418568.56	3752815.77	100.21	0.00	100.21	
PERIOD		1.81985	ug/m^3	W-078	418568.56	3752835.77	100.31	0.00	100.31	
PERIOD		1.61685	ug/m^3	W-079	418568.56	3752855.77	100.59	0.00	100.59	
PERIOD		2.49117	ug/m^3	W-080	418588.56	3752815.77	99.96	0.00	99.96	
PERIOD		2.18603	ug/m^3	W-081	418588.56	3752835.77	100.09	0.00	100.09	
PERIOD		1.91529	ug/m^3	W-082	418588.56	3752855.77	100.41	0.00	100.41	
PERIOD		3.23195	ug/m^3	W-083	418608.56	3752815.77	99.78	0.00	99.78	
PERIOD		2.76542	ug/m^3	W-084	418608.56	3752835.77	99.85	0.00	99.85	
PERIOD		2.36740	ug/m^3	W-085	418608.56	3752855.77	100.08	0.00	100.08	
PERIOD		3.76656	ug/m^3	W-086	418628.56	3752835.77	99.57	0.00	99.57	
PERIOD		3.09143	ug/m^3	W-087	418628.56	3752855.77	99.79	0.00	99.79	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		4.36737	ug/m^3	W-088	418648.56	3752855.77	99.24	0.00	99.24	
PERIOD		0.17904	ug/m^3	W-089	418337.32	3753110.04	103.33	0.00	103.33	
PERIOD		0.18879	ug/m^3	W-090	418348.21	3753104.77	103.36	0.00	103.36	
PERIOD		0.10672	ug/m^3	W-091	418123.53	3753069.93	108.25	0.00	108.25	
PERIOD		0.10195	ug/m^3	W-092	418123.53	3753089.93	107.33	0.00	107.33	
PERIOD		0.11864	ug/m^3	W-093	418143.53	3753049.93	107.74	0.00	107.74	
PERIOD		0.11311	ug/m^3	W-094	418143.53	3753069.93	106.89	0.00	106.89	
PERIOD		0.10802	ug/m^3	W-095	418143.53	3753089.93	105.89	0.00	105.89	
PERIOD		0.13281	ug/m^3	W-096	418163.53	3753029.93	106.99	0.00	106.99	
PERIOD		0.12606	ug/m^3	W-097	418163.53	3753049.93	106.51	0.00	106.51	
PERIOD		0.11991	ug/m^3	W-098	418163.53	3753069.93	105.78	0.00	105.78	
PERIOD		0.11433	ug/m^3	W-099	418163.53	3753089.93	104.83	0.00	104.83	
PERIOD		0.10887	ug/m^3	W-100	418163.53	3753109.93	104.26	0.00	104.26	
PERIOD		0.14183	ug/m^3	W-101	418183.53	3753029.93	105.33	0.00	105.33	
PERIOD		0.13418	ug/m^3	W-102	418183.53	3753049.93	105.20	0.00	105.20	
PERIOD		0.12723	ug/m^3	W-103	418183.53	3753069.93	104.85	0.00	104.85	
PERIOD		0.12098	ug/m^3	W-104	418183.53	3753089.93	104.11	0.00	104.11	
PERIOD		0.14306	ug/m^3	W-105	418203.53	3753049.93	104.02	0.00	104.02	
PERIOD		0.13518	ug/m^3	W-106	418203.53	3753069.93	103.95	0.00	103.95	
PERIOD		0.21597	ug/m^3	W-107	418124.99	3752805.35	103.92	0.00	103.92	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.22782	ug/m^3	W-108	418136.07	3752803.07	103.83	0.00	103.83	
PERIOD		0.29378	ug/m^3	W-109	418132.49	3752711.46	103.01	0.00	103.01	
PERIOD		0.29233	ug/m^3	W-110	418125.32	3752698.09	103.13	0.00	103.13	
PERIOD		0.24593	ug/m^3	W-111	418102.82	3752717.33	102.84	0.00	102.84	
PERIOD		0.24608	ug/m^3	W-112	418095.98	3752702.33	103.01	0.00	103.01	
PERIOD		0.31011	ug/m^3	W-113	418219.21	3752825.23	103.14	0.00	103.14	
PERIOD		0.32698	ug/m^3	W-114	418222.14	3752815.45	103.03	0.00	103.03	
PERIOD		0.10379	ug/m^3	W-115	418349.45	3753288.96	106.48	0.00	106.48	
PERIOD		0.10483	ug/m^3	W-116	418360.53	3753293.43	106.89	0.00	106.89	
PERIOD		0.10998	ug/m^3	W-117	418357.70	3753274.82	106.56	0.00	106.56	
PERIOD		0.11119	ug/m^3	W-118	418369.01	3753279.54	106.89	0.00	106.89	
PERIOD		0.06774	ug/m^3	W-119	417874.79	3753026.77	103.46	0.00	103.46	
PERIOD		0.06544	ug/m^3	W-120	417874.79	3753046.77	103.42	0.00	103.42	
PERIOD		0.05540	ug/m^3	W-121	417874.79	3753146.77	104.02	0.00	104.02	
PERIOD		0.05354	ug/m^3	W-122	417874.79	3753166.77	104.39	0.00	104.39	
PERIOD		0.05170	ug/m^3	W-123	417874.79	3753186.77	104.95	0.00	104.95	
PERIOD		0.04993	ug/m^3	W-124	417874.79	3753206.77	105.48	0.00	108.26	
PERIOD		0.04821	ug/m^3	W-125	417874.79	3753226.77	106.07	0.00	108.26	
PERIOD		0.07300	ug/m^3	W-126	417894.79	3753006.77	103.68	0.00	103.68	
PERIOD		0.07055	ug/m^3	W-127	417894.79	3753026.77	103.64	0.00	103.64	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.06818	ug/m^3	W-128	417894.79	3753046.77	103.55	0.00	103.55	
PERIOD		0.06588	ug/m^3	W-129	417894.79	3753066.77	103.44	0.00	103.44	
PERIOD		0.05734	ug/m^3	W-130	417894.79	3753146.77	104.21	0.00	104.21	
PERIOD		0.05532	ug/m^3	W-131	417894.79	3753166.77	104.76	0.00	104.76	
PERIOD		0.05321	ug/m^3	W-132	417894.79	3753186.77	106.05	0.00	106.05	
PERIOD		0.05115	ug/m^3	W-133	417894.79	3753206.77	107.20	0.00	107.20	
PERIOD		0.04922	ug/m^3	W-134	417894.79	3753226.77	108.17	0.00	108.17	
PERIOD		0.07888	ug/m^3	W-135	417914.79	3752986.77	103.71	0.00	103.71	
PERIOD		0.07619	ug/m^3	W-136	417914.79	3753006.77	103.86	0.00	103.86	
PERIOD		0.07355	ug/m^3	W-137	417914.79	3753026.77	103.71	0.00	103.71	
PERIOD		0.07101	ug/m^3	W-138	417914.79	3753046.77	103.55	0.00	103.55	
PERIOD		0.06854	ug/m^3	W-139	417914.79	3753066.77	103.46	0.00	103.46	
PERIOD		0.06616	ug/m^3	W-140	417914.79	3753086.77	103.51	0.00	103.51	
PERIOD		0.05936	ug/m^3	W-141	417914.79	3753146.77	104.54	0.00	104.54	
PERIOD		0.05711	ug/m^3	W-142	417914.79	3753166.77	105.49	0.00	105.49	
PERIOD		0.05481	ug/m^3	W-143	417914.79	3753186.77	106.95	0.00	106.95	
PERIOD		0.05262	ug/m^3	W-144	417914.79	3753206.77	108.02	0.00	108.02	
PERIOD		0.08263	ug/m^3	W-145	417934.79	3752986.77	105.19	0.00	105.19	
PERIOD		0.07964	ug/m^3	W-146	417934.79	3753006.77	105.12	0.00	105.12	
PERIOD		0.07676	ug/m^3	W-147	417934.79	3753026.77	104.80	0.00	104.80	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.07398	ug/m^3	W-148	417934.79	3753046.77	104.40	0.00	104.40	
PERIOD		0.07133	ug/m^3	W-149	417934.79	3753066.77	103.93	0.00	103.93	
PERIOD		0.06879	ug/m^3	W-150	417934.79	3753086.77	103.75	0.00	103.75	
PERIOD		0.06633	ug/m^3	W-151	417934.79	3753106.77	103.71	0.00	103.71	
PERIOD		0.06151	ug/m^3	W-152	417934.79	3753146.77	104.73	0.00	104.73	
PERIOD		0.05904	ug/m^3	W-153	417934.79	3753166.77	105.94	0.00	105.94	
PERIOD		0.05654	ug/m^3	W-154	417934.79	3753186.77	107.44	0.00	107.44	
PERIOD		0.05426	ug/m^3	W-155	417934.79	3753206.77	108.39	0.00	108.39	
PERIOD		0.08318	ug/m^3	W-156	417954.79	3753006.77	106.77	0.00	106.77	
PERIOD		0.08006	ug/m^3	W-157	417954.79	3753026.77	106.20	0.00	106.20	
PERIOD		0.07708	ug/m^3	W-158	417954.79	3753046.77	105.51	0.00	105.51	
PERIOD		0.07427	ug/m^3	W-159	417954.79	3753066.77	104.66	0.00	104.66	
PERIOD		0.07156	ug/m^3	W-160	417954.79	3753086.77	104.18	0.00	104.18	
PERIOD		0.06895	ug/m^3	W-161	417954.79	3753106.77	103.91	0.00	103.91	
PERIOD		0.06641	ug/m^3	W-162	417954.79	3753126.77	103.96	0.00	103.96	
PERIOD		0.06380	ug/m^3	W-163	417954.79	3753146.77	104.84	0.00	104.84	
PERIOD		0.06115	ug/m^3	W-164	417954.79	3753166.77	106.08	0.00	106.08	
PERIOD		0.05848	ug/m^3	W-165	417954.79	3753186.77	107.54	0.00	107.54	
PERIOD		0.05607	ug/m^3	W-166	417954.79	3753206.77	108.46	0.00	108.46	
PERIOD		0.08342	ug/m^3	W-167	417974.79	3753026.77	107.49	0.00	107.49	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.08030	ug/m^3	W-168	417974.79	3753046.77	106.58	0.00	106.58	
PERIOD		0.07731	ug/m^3	W-169	417974.79	3753066.77	105.54	0.00	105.54	
PERIOD		0.07446	ug/m^3	W-170	417974.79	3753086.77	104.82	0.00	104.82	
PERIOD		0.07170	ug/m^3	W-171	417974.79	3753106.77	104.32	0.00	104.32	
PERIOD		0.06899	ug/m^3	W-172	417974.79	3753126.77	104.25	0.00	104.25	
PERIOD		0.06621	ug/m^3	W-173	417974.79	3753146.77	104.94	0.00	104.94	
PERIOD		0.06344	ug/m^3	W-174	417974.79	3753166.77	105.98	0.00	105.98	
PERIOD		0.06062	ug/m^3	W-175	417974.79	3753186.77	107.37	0.00	107.37	
PERIOD		0.05803	ug/m^3	W-176	417974.79	3753206.77	108.37	0.00	108.37	
PERIOD		0.05565	ug/m^3	W-177	417974.79	3753226.77	109.09	0.00	109.09	
PERIOD		0.05361	ug/m^3	W-178	417974.79	3753246.77	109.16	0.00	109.16	
PERIOD		0.05171	ug/m^3	W-179	417974.79	3753266.77	109.16	0.00	109.16	
PERIOD		0.04994	ug/m^3	W-180	417974.79	3753286.77	109.12	0.00	109.12	
PERIOD		0.08363	ug/m^3	W-181	417994.79	3753046.77	107.54	0.00	107.54	
PERIOD		0.08050	ug/m^3	W-182	417994.79	3753066.77	106.43	0.00	106.43	
PERIOD		0.07744	ug/m^3	W-183	417994.79	3753086.77	105.63	0.00	105.63	
PERIOD		0.07450	ug/m^3	W-184	417994.79	3753106.77	105.04	0.00	105.04	
PERIOD		0.07165	ug/m^3	W-185	417994.79	3753126.77	104.83	0.00	104.83	
PERIOD		0.06872	ug/m^3	W-186	417994.79	3753146.77	105.24	0.00	105.24	
PERIOD		0.06583	ug/m^3	W-187	417994.79	3753166.77	106.01	0.00	106.01	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.06285	ug/m^3	W-188	417994.79	3753186.77	107.31	0.00	107.31	
PERIOD		0.06009	ug/m^3	W-189	417994.79	3753206.77	108.35	0.00	108.35	
PERIOD		0.05753	ug/m^3	W-190	417994.79	3753226.77	109.15	0.00	109.15	
PERIOD		0.05537	ug/m^3	W-191	417994.79	3753246.77	109.24	0.00	109.24	
PERIOD		0.05337	ug/m^3	W-192	417994.79	3753266.77	109.21	0.00	109.21	
PERIOD		0.05152	ug/m^3	W-193	417994.79	3753286.77	109.12	0.00	109.12	
PERIOD		0.08728	ug/m^3	W-194	418014.79	3753046.77	108.10	0.00	108.10	
PERIOD		0.08390	ug/m^3	W-195	418014.79	3753066.77	107.09	0.00	107.09	
PERIOD		0.08059	ug/m^3	W-196	418014.79	3753086.77	106.41	0.00	106.41	
PERIOD		0.07739	ug/m^3	W-197	418014.79	3753106.77	105.95	0.00	105.95	
PERIOD		0.07429	ug/m^3	W-198	418014.79	3753126.77	105.82	0.00	105.82	
PERIOD		0.07121	ug/m^3	W-199	418014.79	3753146.77	106.03	0.00	106.03	
PERIOD		0.06821	ug/m^3	W-200	418014.79	3753166.77	106.50	0.00	106.50	
PERIOD		0.06512	ug/m^3	W-201	418014.79	3753186.77	107.49	0.00	107.49	
PERIOD		0.06223	ug/m^3	W-202	418014.79	3753206.77	108.39	0.00	108.39	
PERIOD		0.05954	ug/m^3	W-203	418014.79	3753226.77	109.14	0.00	109.14	
PERIOD		0.05727	ug/m^3	W-204	418014.79	3753246.77	109.19	0.00	109.19	
PERIOD		0.05516	ug/m^3	W-205	418014.79	3753266.77	109.16	0.00	109.16	
PERIOD		0.05321	ug/m^3	W-206	418014.79	3753286.77	109.07	0.00	109.07	
PERIOD		0.08745	ug/m^3	W-207	418034.79	3753066.77	107.75	0.00	107.75	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.08382	ug/m^3	W-208	418034.79	3753086.77	107.27	0.00	107.27	
PERIOD		0.08038	ug/m^3	W-209	418034.79	3753106.77	106.97	0.00	106.97	
PERIOD		0.07697	ug/m^3	W-210	418034.79	3753126.77	106.97	0.00	106.97	
PERIOD		0.07371	ug/m^3	W-211	418034.79	3753146.77	107.08	0.00	107.08	
PERIOD		0.07053	ug/m^3	W-212	418034.79	3753166.77	107.33	0.00	107.33	
PERIOD		0.06742	ug/m^3	W-213	418034.79	3753186.77	107.92	0.00	107.92	
PERIOD		0.06446	ug/m^3	W-214	418034.79	3753206.77	108.54	0.00	108.54	
PERIOD		0.06169	ug/m^3	W-215	418034.79	3753226.77	109.08	0.00	109.08	
PERIOD		0.05931	ug/m^3	W-216	418034.79	3753246.77	109.06	0.00	109.06	
PERIOD		0.05707	ug/m^3	W-217	418034.79	3753266.77	109.06	0.00	109.06	
PERIOD		0.05497	ug/m^3	W-218	418034.79	3753286.77	109.06	0.00	109.06	
PERIOD		0.09125	ug/m^3	W-219	418054.79	3753066.77	108.39	0.00	108.39	
PERIOD		0.08726	ug/m^3	W-220	418054.79	3753086.77	108.14	0.00	108.14	
PERIOD		0.08343	ug/m^3	W-221	418054.79	3753106.77	108.01	0.00	108.01	
PERIOD		0.07974	ug/m^3	W-222	418054.79	3753126.77	108.07	0.00	108.07	
PERIOD		0.07625	ug/m^3	W-223	418054.79	3753146.77	108.14	0.00	108.14	
PERIOD		0.07295	ug/m^3	W-224	418054.79	3753166.77	108.25	0.00	108.25	
PERIOD		0.06979	ug/m^3	W-225	418054.79	3753186.77	108.46	0.00	108.46	
PERIOD		0.06679	ug/m^3	W-226	418054.79	3753206.77	108.73	0.00	108.73	
PERIOD		0.06398	ug/m^3	W-227	418054.79	3753226.77	108.98	0.00	108.98	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.06148	ug/m^3	W-228	418054.79	3753246.77	108.91	0.00	108.91	
PERIOD		0.05910	ug/m^3	W-229	418054.79	3753266.77	108.95	0.00	108.95	
PERIOD		0.05682	ug/m^3	W-230	418054.79	3753286.77	109.07	0.00	109.07	
PERIOD		0.09532	ug/m^3	W-231	418074.79	3753066.77	108.93	0.00	108.93	
PERIOD		0.09091	ug/m^3	W-232	418074.79	3753086.77	108.90	0.00	108.90	
PERIOD		0.08674	ug/m^3	W-233	418074.79	3753106.77	108.88	0.00	108.88	
PERIOD		0.08278	ug/m^3	W-234	418074.79	3753126.77	108.90	0.00	108.90	
PERIOD		0.07907	ug/m^3	W-235	418074.79	3753146.77	108.90	0.00	108.90	
PERIOD		0.07560	ug/m^3	W-236	418074.79	3753166.77	108.89	0.00	108.89	
PERIOD		0.07234	ug/m^3	W-237	418074.79	3753186.77	108.87	0.00	108.87	
PERIOD		0.06929	ug/m^3	W-238	418074.79	3753206.77	108.85	0.00	108.85	
PERIOD		0.06643	ug/m^3	W-239	418074.79	3753226.77	108.84	0.00	108.84	
PERIOD		0.09530	ug/m^3	W-240	418094.79	3753086.77	108.65	0.00	108.65	
PERIOD		0.09094	ug/m^3	W-241	418094.79	3753106.77	108.39	0.00	108.39	
PERIOD		0.08679	ug/m^3	W-242	418094.79	3753126.77	108.23	0.00	108.23	
PERIOD		0.08290	ug/m^3	W-243	418094.79	3753146.77	108.07	0.00	108.07	
PERIOD		0.07921	ug/m^3	W-244	418094.79	3753166.77	107.99	0.00	107.99	
PERIOD		0.07564	ug/m^3	W-245	418094.79	3753186.77	108.14	0.00	108.14	
PERIOD		0.07219	ug/m^3	W-246	418094.79	3753206.77	108.50	0.00	108.50	
PERIOD		0.06895	ug/m^3	W-247	418094.79	3753226.77	108.86	0.00	108.86	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.10032	ug/m^3	W-248	418114.79	3753086.77	107.88	0.00	107.88	
PERIOD		0.09578	ug/m^3	W-249	418114.79	3753106.77	107.31	0.00	107.31	
PERIOD		0.09145	ug/m^3	W-250	418114.79	3753126.77	107.00	0.00	107.00	
PERIOD		0.08727	ug/m^3	W-251	418114.79	3753146.77	106.84	0.00	106.84	
PERIOD		0.08323	ug/m^3	W-252	418114.79	3753166.77	106.91	0.00	106.91	
PERIOD		0.07913	ug/m^3	W-253	418114.79	3753186.77	107.50	0.00	107.50	
PERIOD		0.07525	ug/m^3	W-254	418114.79	3753206.77	108.22	0.00	108.22	
PERIOD		0.10126	ug/m^3	W-255	418134.79	3753106.77	105.94	0.00	105.94	
PERIOD		0.09656	ug/m^3	W-256	418134.79	3753126.77	105.59	0.00	105.59	
PERIOD		0.09198	ug/m^3	W-257	418134.79	3753146.77	105.57	0.00	105.57	
PERIOD		0.08753	ug/m^3	W-258	418134.79	3753166.77	105.87	0.00	105.87	
PERIOD		0.08292	ug/m^3	W-259	418134.79	3753186.77	106.85	0.00	106.85	
PERIOD		0.07856	ug/m^3	W-260	418134.79	3753206.77	107.85	0.00	107.85	
PERIOD		0.07459	ug/m^3	W-261	418134.79	3753226.77	108.70	0.00	108.70	
PERIOD		0.10204	ug/m^3	W-262	418154.79	3753126.77	104.35	0.00	104.35	
PERIOD		0.09699	ug/m^3	W-263	418154.79	3753146.77	104.52	0.00	104.52	
PERIOD		0.09202	ug/m^3	W-264	418154.79	3753166.77	105.03	0.00	105.03	
PERIOD		0.08701	ug/m^3	W-265	418154.79	3753186.77	106.13	0.00	106.13	
PERIOD		0.08223	ug/m^3	W-266	418154.79	3753206.77	107.28	0.00	107.28	
PERIOD		0.07790	ug/m^3	W-267	418154.79	3753226.77	108.29	0.00	108.29	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.07420	ug/m^3	W-268	418154.79	3753246.77	108.71	0.00	108.71	
PERIOD		0.09676	ug/m^3	W-269	418174.79	3753166.77	104.40	0.00	104.40	
PERIOD		0.09141	ug/m^3	W-270	418174.79	3753186.77	105.40	0.00	105.40	
PERIOD		0.08635	ug/m^3	W-271	418174.79	3753206.77	106.52	0.00	106.52	
PERIOD		0.08163	ug/m^3	W-272	418174.79	3753226.77	107.57	0.00	107.57	
PERIOD		0.07754	ug/m^3	W-273	418174.79	3753246.77	108.19	0.00	108.19	
PERIOD		0.07389	ug/m^3	W-274	418174.79	3753266.77	108.56	0.00	108.56	
PERIOD		0.09612	ug/m^3	W-275	418194.79	3753186.77	104.78	0.00	104.78	
PERIOD		0.09079	ug/m^3	W-276	418194.79	3753206.77	105.69	0.00	105.69	
PERIOD		0.08589	ug/m^3	W-277	418194.79	3753226.77	106.56	0.00	106.56	
PERIOD		0.08152	ug/m^3	W-278	418194.79	3753246.77	107.12	0.00	107.12	
PERIOD		0.07751	ug/m^3	W-279	418194.79	3753266.77	107.60	0.00	107.60	
PERIOD		0.09566	ug/m^3	W-280	418214.79	3753206.77	104.81	0.00	104.81	
PERIOD		0.09054	ug/m^3	W-281	418214.79	3753226.77	105.43	0.00	105.43	
PERIOD		0.08596	ug/m^3	W-282	418214.79	3753246.77	105.84	0.00	105.84	
PERIOD		0.08171	ug/m^3	W-283	418214.79	3753266.77	106.24	0.00	106.24	
PERIOD		0.07774	ug/m^3	W-284	418214.79	3753286.77	106.67	0.00	106.67	
PERIOD		0.09071	ug/m^3	W-285	418234.79	3753246.77	104.63	0.00	104.63	
PERIOD		0.08625	ug/m^3	W-286	418234.79	3753266.77	104.83	0.00	104.83	
PERIOD		0.08207	ug/m^3	W-287	418234.79	3753286.77	105.10	0.00	105.10	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: HAUL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.09076	ug/m^3	W-288	418254.79	3753266.77	103.92	0.00	103.92	
PERIOD		0.09654	ug/m^3	W-289	418420.72	3753365.54	109.53	0.00	109.53	
PERIOD		0.09985	ug/m^3	W-290	418437.92	3753366.96	109.56	0.00	109.56	
PERIOD		0.10239	ug/m^3	W-291	418421.90	3753345.52	109.32	0.00	109.32	
PERIOD		0.10601	ug/m^3	W-292	418438.15	3753345.99	109.42	0.00	109.42	
PERIOD		0.10819	ug/m^3	W-293	418495.40	3753383.21	109.79	0.00	109.79	
PERIOD		0.11254	ug/m^3	W-294	418500.82	3753372.85	110.11	0.00	115.28	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group:

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		8.44582	ug/m^3	P-001	418694.50	3753025.00	101.78	0.00	101.78	
PERIOD		6.13664	ug/m^3	P-002	418694.50	3753045.00	102.50	0.00	102.50	
PERIOD		4.73024	ug/m^3	P-003	418694.50	3753065.00	103.13	0.00	103.13	
PERIOD		7.86507	ug/m^3	P-004	418714.50	3753025.00	100.95	0.00	100.95	
PERIOD		5.77067	ug/m^3	P-005	418714.50	3753045.00	101.68	0.00	101.68	
PERIOD		4.48622	ug/m^3	P-006	418714.50	3753065.00	102.40	0.00	102.40	
PERIOD		3.61115	ug/m^3	P-007	418714.50	3753085.00	102.93	0.00	102.93	
PERIOD		2.98605	ug/m^3	P-008	418714.50	3753105.00	103.37	0.00	103.37	
PERIOD		6.78642	ug/m^3	P-009	418734.50	3753025.00	100.16	0.00	100.16	
PERIOD		5.14948	ug/m^3	P-010	418734.50	3753045.00	100.88	0.00	100.88	
PERIOD		4.09647	ug/m^3	P-011	418734.50	3753065.00	101.67	0.00	101.67	
PERIOD		3.35166	ug/m^3	P-012	418734.50	3753085.00	102.48	0.00	102.48	
PERIOD		2.80176	ug/m^3	P-013	418734.50	3753105.00	103.29	0.00	103.29	
PERIOD		6.97678	ug/m^3	P-014	418754.50	3753005.00	99.16	0.00	99.16	
PERIOD		5.40133	ug/m^3	P-015	418754.50	3753025.00	99.89	0.00	99.89	
PERIOD		4.35265	ug/m^3	P-016	418754.50	3753045.00	100.59	0.00	100.59	
PERIOD		3.58810	ug/m^3	P-017	418754.50	3753065.00	101.31	0.00	101.31	
PERIOD		3.01180	ug/m^3	P-018	418754.50	3753085.00	102.32	0.00	102.32	
PERIOD		4.82330	ug/m^3	P-019	418774.50	3752985.00	98.28	0.00	98.28	
PERIOD		4.57636	ug/m^3	P-020	418774.50	3753005.00	99.19	0.00	99.19	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		4.06310	ug/m^3	P-021	418774.50	3753025.00	100.26	0.00	100.26	
PERIOD		3.52018	ug/m^3	P-022	418774.50	3753045.00	101.05	0.00	101.05	
PERIOD		3.03092	ug/m^3	P-023	418774.50	3753065.00	101.69	0.00	101.69	
PERIOD		2.62096	ug/m^3	P-024	418774.50	3753085.00	102.48	0.00	102.48	
PERIOD		2.67863	ug/m^3	P-025	418794.50	3752965.00	96.76	0.00	96.76	
PERIOD		2.98952	ug/m^3	P-026	418794.50	3752985.00	98.01	0.00	98.01	
PERIOD		3.09544	ug/m^3	P-027	418794.50	3753005.00	99.47	0.00	99.47	
PERIOD		3.00328	ug/m^3	P-028	418794.50	3753025.00	101.12	0.00	101.12	
PERIOD		2.76712	ug/m^3	P-029	418794.50	3753045.00	102.22	0.00	102.22	
PERIOD		1.89280	ug/m^3	P-030	418814.50	3752965.00	96.10	0.00	96.10	
PERIOD		2.06666	ug/m^3	P-031	418814.50	3752985.00	97.30	0.00	97.30	
PERIOD		2.18676	ug/m^3	P-032	418814.50	3753005.00	99.06	0.00	99.06	
PERIOD		2.20705	ug/m^3	P-033	418814.50	3753025.00	100.71	0.00	100.71	
PERIOD		2.13093	ug/m^3	P-034	418814.50	3753045.00	102.03	0.00	102.03	
PERIOD		1.44269	ug/m^3	P-035	418834.50	3752965.00	96.64	0.00	96.64	
PERIOD		1.54273	ug/m^3	P-036	418834.50	3752985.00	97.40	0.00	97.40	
PERIOD		1.62437	ug/m^3	P-037	418834.50	3753005.00	98.75	0.00	98.75	
PERIOD		1.66266	ug/m^3	P-038	418834.50	3753025.00	100.08	0.00	100.08	
PERIOD		1.65078	ug/m^3	P-039	418834.50	3753045.00	101.33	0.00	101.33	
PERIOD		1.59785	ug/m^3	P-040	418834.50	3753065.00	102.44	0.00	102.44	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		1.20631	ug/m^3	P-041	418854.50	3752985.00	98.03	0.00	98.03	
PERIOD		1.25719	ug/m^3	P-042	418854.50	3753005.00	98.70	0.00	98.70	
PERIOD		1.29091	ug/m^3	P-043	418854.50	3753025.00	99.67	0.00	99.67	
PERIOD		1.29968	ug/m^3	P-044	418854.50	3753045.00	100.59	0.00	100.59	
PERIOD		1.28404	ug/m^3	P-045	418854.50	3753065.00	101.47	0.00	101.47	
PERIOD		1.24862	ug/m^3	P-046	418854.50	3753085.00	102.10	0.00	102.10	
PERIOD		1.00451	ug/m^3	P-047	418874.50	3753005.00	98.99	0.00	112.00	
PERIOD		1.02992	ug/m^3	P-048	418874.50	3753025.00	99.55	0.00	112.00	
PERIOD		1.04291	ug/m^3	P-049	418874.50	3753045.00	99.96	0.00	99.96	
PERIOD		1.04264	ug/m^3	P-050	418874.50	3753065.00	100.35	0.00	100.35	
PERIOD		1.03014	ug/m^3	P-051	418874.50	3753085.00	101.06	0.00	101.06	
PERIOD		1.00663	ug/m^3	P-052	418874.50	3753105.00	101.67	0.00	101.67	
PERIOD		0.82241	ug/m^3	P-053	418894.50	3753005.00	99.59	0.00	112.00	
PERIOD		0.84043	ug/m^3	P-054	418894.50	3753025.00	99.53	0.00	112.00	
PERIOD		0.85261	ug/m^3	P-055	418894.50	3753045.00	99.45	0.00	112.00	
PERIOD		0.85778	ug/m^3	P-056	418894.50	3753065.00	99.37	0.00	112.00	
PERIOD		0.85566	ug/m^3	P-057	418894.50	3753085.00	99.48	0.00	112.00	
PERIOD		0.84641	ug/m^3	P-058	418894.50	3753105.00	99.83	0.00	99.83	
PERIOD		0.83062	ug/m^3	P-059	418894.50	3753125.00	100.37	0.00	100.37	
PERIOD		0.71015	ug/m^3	P-060	418914.50	3753045.00	100.56	0.00	112.22	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.71685	ug/m^3	P-061	418914.50	3753065.00	100.67	0.00	112.22	
PERIOD		0.71908	ug/m^3	P-062	418914.50	3753085.00	100.69	0.00	112.00	
PERIOD		0.71658	ug/m^3	P-063	418914.50	3753105.00	100.63	0.00	112.00	
PERIOD		0.70948	ug/m^3	P-064	418914.50	3753125.00	100.56	0.00	100.56	
PERIOD		0.60566	ug/m^3	P-065	418934.50	3753065.00	101.35	0.00	112.22	
PERIOD		0.60947	ug/m^3	P-066	418934.50	3753085.00	101.50	0.00	112.22	
PERIOD		0.61044	ug/m^3	P-067	418934.50	3753105.00	101.54	0.00	112.00	
PERIOD		0.60837	ug/m^3	P-068	418934.50	3753125.00	101.46	0.00	101.46	
PERIOD		0.60337	ug/m^3	P-069	418934.50	3753145.00	100.85	0.00	100.85	
PERIOD		0.52393	ug/m^3	P-070	418954.50	3753105.00	102.15	0.00	112.00	
PERIOD		0.52438	ug/m^3	P-071	418954.50	3753125.00	102.29	0.00	112.00	
PERIOD		0.52311	ug/m^3	P-072	418954.50	3753145.00	101.56	0.00	101.56	
PERIOD		13.24560	ug/m^3	R-001	418497.54	3753033.99	106.80	0.00	106.80	
PERIOD		7.88241	ug/m^3	R-002	418497.54	3753053.99	107.22	0.00	107.22	
PERIOD		5.05140	ug/m^3	R-003	418497.54	3753073.99	107.54	0.00	107.54	
PERIOD		3.49469	ug/m^3	R-004	418497.54	3753093.99	107.77	0.00	107.77	
PERIOD		12.07350	ug/m^3	R-005	418517.54	3753033.99	106.61	0.00	106.61	
PERIOD		7.76851	ug/m^3	R-006	418517.54	3753053.99	107.05	0.00	107.05	
PERIOD		5.30173	ug/m^3	R-007	418517.54	3753073.99	107.31	0.00	107.31	
PERIOD		3.81245	ug/m^3	R-008	418517.54	3753093.99	107.34	0.00	107.34	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: [redacted]

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		2.85399	ug/m^3	R-009	418517.54	3753113.99	107.67	0.00	107.67	
PERIOD		2.19463	ug/m^3	R-010	418517.54	3753133.99	108.09	0.00	108.09	
PERIOD		10.85028	ug/m^3	R-011	418537.54	3753033.99	106.32	0.00	106.32	
PERIOD		7.41823	ug/m^3	R-012	418537.54	3753053.99	106.64	0.00	106.64	
PERIOD		5.32018	ug/m^3	R-013	418537.54	3753073.99	106.90	0.00	106.90	
PERIOD		3.95913	ug/m^3	R-014	418537.54	3753093.99	107.08	0.00	107.08	
PERIOD		3.03551	ug/m^3	R-015	418537.54	3753113.99	107.52	0.00	107.52	
PERIOD		2.37963	ug/m^3	R-016	418537.54	3753133.99	107.81	0.00	107.81	
PERIOD		1.91035	ug/m^3	R-017	418537.54	3753153.99	107.76	0.00	107.76	
PERIOD		1.55463	ug/m^3	R-018	418537.54	3753173.99	108.01	0.00	108.01	
PERIOD		1.28060	ug/m^3	R-019	418537.54	3753193.99	108.49	0.00	108.49	
PERIOD		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	105.21	0.00	105.21	
PERIOD		9.78030	ug/m^3	R-021	418557.54	3753033.99	105.93	0.00	105.93	
PERIOD		6.99913	ug/m^3	R-022	418557.54	3753053.99	106.10	0.00	106.10	
PERIOD		5.21269	ug/m^3	R-023	418557.54	3753073.99	106.35	0.00	106.35	
PERIOD		3.99387	ug/m^3	R-024	418557.54	3753093.99	106.71	0.00	106.71	
PERIOD		3.12857	ug/m^3	R-025	418557.54	3753113.99	107.15	0.00	107.15	
PERIOD		2.50002	ug/m^3	R-026	418557.54	3753133.99	107.44	0.00	107.44	
PERIOD		2.03062	ug/m^3	R-027	418557.54	3753153.99	107.44	0.00	107.44	
PERIOD		1.66977	ug/m^3	R-028	418557.54	3753173.99	107.78	0.00	107.78	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		1.38707	ug/m^3	R-029	418557.54	3753193.99	108.14	0.00	108.14	
PERIOD		1.16682	ug/m^3	R-030	418557.54	3753213.99	108.37	0.00	108.37	
PERIOD		0.98829	ug/m^3	R-031	418557.54	3753233.99	108.88	0.00	112.08	
PERIOD		12.48387	ug/m^3	R-032	418577.54	3753013.99	104.75	0.00	104.75	
PERIOD		8.89854	ug/m^3	R-033	418577.54	3753033.99	105.34	0.00	105.34	
PERIOD		6.58602	ug/m^3	R-034	418577.54	3753053.99	105.44	0.00	105.44	
PERIOD		5.04522	ug/m^3	R-035	418577.54	3753073.99	105.71	0.00	105.71	
PERIOD		3.95730	ug/m^3	R-036	418577.54	3753093.99	106.21	0.00	106.21	
PERIOD		3.16129	ug/m^3	R-037	418577.54	3753113.99	106.59	0.00	106.59	
PERIOD		2.56463	ug/m^3	R-038	418577.54	3753133.99	106.88	0.00	106.88	
PERIOD		2.10895	ug/m^3	R-039	418577.54	3753153.99	107.00	0.00	107.00	
PERIOD		1.75428	ug/m^3	R-040	418577.54	3753173.99	107.50	0.00	107.50	
PERIOD		1.47019	ug/m^3	R-041	418577.54	3753193.99	107.92	0.00	107.92	
PERIOD		1.24730	ug/m^3	R-042	418577.54	3753213.99	107.93	0.00	107.93	
PERIOD		1.06504	ug/m^3	R-043	418577.54	3753233.99	108.13	0.00	108.13	
PERIOD		0.91495	ug/m^3	R-044	418577.54	3753253.99	108.49	0.00	113.97	
PERIOD		0.78869	ug/m^3	R-045	418577.54	3753273.99	109.24	0.00	114.83	
PERIOD		11.23536	ug/m^3	R-046	418597.54	3753013.99	104.06	0.00	104.06	
PERIOD		8.20796	ug/m^3	R-047	418597.54	3753033.99	104.51	0.00	104.51	
PERIOD		6.22190	ug/m^3	R-048	418597.54	3753053.99	104.71	0.00	104.71	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		4.86313	ug/m^3	R-049	418597.54	3753073.99	105.10	0.00	105.10	
PERIOD		3.88258	ug/m^3	R-050	418597.54	3753093.99	105.70	0.00	105.70	
PERIOD		3.15112	ug/m^3	R-051	418597.54	3753113.99	106.01	0.00	106.01	
PERIOD		2.59189	ug/m^3	R-052	418597.54	3753133.99	106.29	0.00	106.29	
PERIOD		2.15575	ug/m^3	R-053	418597.54	3753153.99	106.56	0.00	106.56	
PERIOD		1.80892	ug/m^3	R-054	418597.54	3753173.99	107.20	0.00	107.20	
PERIOD		1.53166	ug/m^3	R-055	418597.54	3753193.99	107.72	0.00	107.72	
PERIOD		1.30830	ug/m^3	R-056	418597.54	3753213.99	107.72	0.00	107.72	
PERIOD		1.12357	ug/m^3	R-057	418597.54	3753233.99	107.90	0.00	107.90	
PERIOD		0.97097	ug/m^3	R-058	418597.54	3753253.99	108.12	0.00	108.12	
PERIOD		0.84545	ug/m^3	R-059	418597.54	3753273.99	108.20	0.00	113.75	
PERIOD		0.73953	ug/m^3	R-060	418597.54	3753293.99	108.41	0.00	115.72	
PERIOD		10.47125	ug/m^3	R-061	418617.54	3753013.99	103.22	0.00	103.22	
PERIOD		7.72372	ug/m^3	R-062	418617.54	3753033.99	103.59	0.00	103.59	
PERIOD		5.93595	ug/m^3	R-063	418617.54	3753053.99	104.01	0.00	104.01	
PERIOD		4.69718	ug/m^3	R-064	418617.54	3753073.99	104.56	0.00	104.56	
PERIOD		3.79496	ug/m^3	R-065	418617.54	3753093.99	105.26	0.00	105.26	
PERIOD		3.11589	ug/m^3	R-066	418617.54	3753113.99	105.46	0.00	105.46	
PERIOD		2.59109	ug/m^3	R-067	418617.54	3753133.99	105.73	0.00	105.73	
PERIOD		2.17596	ug/m^3	R-068	418617.54	3753153.99	106.17	0.00	106.17	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		1.84135	ug/m^3	R-069	418617.54	3753173.99	106.93	0.00	106.93	
PERIOD		1.57198	ug/m^3	R-070	418617.54	3753193.99	107.50	0.00	107.50	
PERIOD		1.35176	ug/m^3	R-071	418617.54	3753213.99	107.50	0.00	107.50	
PERIOD		1.16831	ug/m^3	R-072	418617.54	3753233.99	107.74	0.00	107.74	
PERIOD		1.01450	ug/m^3	R-073	418617.54	3753253.99	107.98	0.00	107.98	
PERIOD		0.88790	ug/m^3	R-074	418617.54	3753273.99	107.94	0.00	107.94	
PERIOD		0.78101	ug/m^3	R-075	418617.54	3753293.99	107.91	0.00	115.72	
PERIOD		10.18274	ug/m^3	R-076	418637.54	3753013.99	102.52	0.00	102.52	
PERIOD		7.46336	ug/m^3	R-077	418637.54	3753033.99	102.97	0.00	102.97	
PERIOD		5.74390	ug/m^3	R-078	418637.54	3753053.99	103.53	0.00	103.53	
PERIOD		4.56408	ug/m^3	R-079	418637.54	3753073.99	104.16	0.00	104.16	
PERIOD		3.71006	ug/m^3	R-080	418637.54	3753093.99	104.86	0.00	104.86	
PERIOD		3.06830	ug/m^3	R-081	418637.54	3753113.99	104.96	0.00	104.96	
PERIOD		2.57151	ug/m^3	R-082	418637.54	3753133.99	105.22	0.00	105.22	
PERIOD		2.17586	ug/m^3	R-083	418637.54	3753153.99	105.83	0.00	105.83	
PERIOD		1.85477	ug/m^3	R-084	418637.54	3753173.99	106.68	0.00	106.68	
PERIOD		1.59341	ug/m^3	R-085	418637.54	3753193.99	107.32	0.00	107.32	
PERIOD		1.37883	ug/m^3	R-086	418637.54	3753213.99	107.33	0.00	107.33	
PERIOD		1.19972	ug/m^3	R-087	418637.54	3753233.99	107.55	0.00	107.55	
PERIOD		1.04817	ug/m^3	R-088	418637.54	3753253.99	107.74	0.00	107.74	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.92197	ug/m^3	R-089	418637.54	3753273.99	107.56	0.00	107.56	
PERIOD		0.81382	ug/m^3	R-090	418637.54	3753293.99	107.55	0.00	107.55	
PERIOD		0.30641	ug/m^3	R-091	418657.54	3752653.99	97.64	0.00	97.64	
PERIOD		0.35531	ug/m^3	R-092	418657.54	3752673.99	97.46	0.00	97.46	
PERIOD		0.41642	ug/m^3	R-093	418657.54	3752693.99	97.17	0.00	97.17	
PERIOD		0.49417	ug/m^3	R-094	418657.54	3752713.99	96.89	0.00	96.89	
PERIOD		10.35872	ug/m^3	R-095	418657.54	3753013.99	102.42	0.00	102.42	
PERIOD		7.43399	ug/m^3	R-096	418657.54	3753033.99	103.14	0.00	103.14	
PERIOD		5.64477	ug/m^3	R-097	418657.54	3753053.99	103.57	0.00	103.57	
PERIOD		4.46481	ug/m^3	R-098	418657.54	3753073.99	104.04	0.00	104.04	
PERIOD		3.63165	ug/m^3	R-099	418657.54	3753093.99	104.55	0.00	104.55	
PERIOD		3.01359	ug/m^3	R-100	418657.54	3753113.99	104.49	0.00	104.49	
PERIOD		2.53829	ug/m^3	R-101	418657.54	3753133.99	104.70	0.00	104.70	
PERIOD		2.16003	ug/m^3	R-102	418657.54	3753153.99	105.38	0.00	105.38	
PERIOD		1.85193	ug/m^3	R-103	418657.54	3753173.99	106.37	0.00	106.37	
PERIOD		1.59927	ug/m^3	R-104	418657.54	3753193.99	107.10	0.00	107.10	
PERIOD		1.39173	ug/m^3	R-105	418657.54	3753213.99	107.13	0.00	107.13	
PERIOD		1.21747	ug/m^3	R-106	418657.54	3753233.99	107.33	0.00	107.33	
PERIOD		1.07001	ug/m^3	R-107	418657.54	3753253.99	107.46	0.00	107.46	
PERIOD		0.94448	ug/m^3	R-108	418657.54	3753273.99	107.22	0.00	107.22	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.30621	ug/m^3	R-109	418677.54	3752653.99	98.13	0.00	98.13	
PERIOD		0.35405	ug/m^3	R-110	418677.54	3752673.99	97.85	0.00	97.85	
PERIOD		0.41344	ug/m^3	R-111	418677.54	3752693.99	97.46	0.00	97.46	
PERIOD		0.48864	ug/m^3	R-112	418677.54	3752713.99	97.22	0.00	97.22	
PERIOD		0.58551	ug/m^3	R-113	418677.54	3752733.99	97.07	0.00	97.07	
PERIOD		0.71323	ug/m^3	R-114	418677.54	3752753.99	97.03	0.00	97.03	
PERIOD		5.55758	ug/m^3	R-115	418677.54	3753053.99	103.27	0.00	103.27	
PERIOD		4.37109	ug/m^3	R-116	418677.54	3753073.99	103.74	0.00	103.74	
PERIOD		3.54954	ug/m^3	R-117	418677.54	3753093.99	104.18	0.00	104.18	
PERIOD		2.94832	ug/m^3	R-118	418677.54	3753113.99	104.05	0.00	104.05	
PERIOD		2.49081	ug/m^3	R-119	418677.54	3753133.99	104.24	0.00	104.24	
PERIOD		2.12862	ug/m^3	R-120	418677.54	3753153.99	104.96	0.00	104.96	
PERIOD		1.83371	ug/m^3	R-121	418677.54	3753173.99	106.04	0.00	106.04	
PERIOD		1.59149	ug/m^3	R-122	418677.54	3753193.99	106.83	0.00	106.83	
PERIOD		1.39199	ug/m^3	R-123	418677.54	3753213.99	106.88	0.00	106.88	
PERIOD		1.22331	ug/m^3	R-124	418677.54	3753233.99	107.07	0.00	107.07	
PERIOD		1.08024	ug/m^3	R-125	418677.54	3753253.99	107.17	0.00	107.17	
PERIOD		0.95829	ug/m^3	R-126	418677.54	3753273.99	106.91	0.00	106.91	
PERIOD		0.30400	ug/m^3	R-127	418697.54	3752653.99	98.46	0.00	98.46	
PERIOD		0.35029	ug/m^3	R-128	418697.54	3752673.99	98.14	0.00	98.14	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.40744	ug/m^3	R-129	418697.54	3752693.99	97.80	0.00	97.80	
PERIOD		0.47898	ug/m^3	R-130	418697.54	3752713.99	97.47	0.00	97.47	
PERIOD		0.57020	ug/m^3	R-131	418697.54	3752733.99	97.29	0.00	97.29	
PERIOD		0.68896	ug/m^3	R-132	418697.54	3752753.99	97.28	0.00	97.28	
PERIOD		0.84642	ug/m^3	R-133	418697.54	3752773.99	97.22	0.00	97.22	
PERIOD		1.06108	ug/m^3	R-134	418697.54	3752793.99	97.14	0.00	97.14	
PERIOD		3.44067	ug/m^3	R-135	418697.54	3753093.99	103.71	0.00	103.71	
PERIOD		2.86152	ug/m^3	R-136	418697.54	3753113.99	103.70	0.00	103.70	
PERIOD		2.42390	ug/m^3	R-137	418697.54	3753133.99	103.99	0.00	103.99	
PERIOD		2.07907	ug/m^3	R-138	418697.54	3753153.99	104.75	0.00	104.75	
PERIOD		1.79920	ug/m^3	R-139	418697.54	3753173.99	105.76	0.00	105.76	
PERIOD		1.56924	ug/m^3	R-140	418697.54	3753193.99	106.50	0.00	106.50	
PERIOD		1.37916	ug/m^3	R-141	418697.54	3753213.99	106.58	0.00	106.58	
PERIOD		1.21801	ug/m^3	R-142	418697.54	3753233.99	106.77	0.00	106.77	
PERIOD		1.08063	ug/m^3	R-143	418697.54	3753253.99	106.86	0.00	106.86	
PERIOD		0.96312	ug/m^3	R-144	418697.54	3753273.99	106.60	0.00	106.60	
PERIOD		0.30002	ug/m^3	R-145	418717.54	3752653.99	98.84	0.00	98.84	
PERIOD		0.34439	ug/m^3	R-146	418717.54	3752673.99	98.59	0.00	98.59	
PERIOD		0.39886	ug/m^3	R-147	418717.54	3752693.99	98.42	0.00	98.42	
PERIOD		0.46586	ug/m^3	R-148	418717.54	3752713.99	97.79	0.00	97.79	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.55013	ug/m^3	R-149	418717.54	3752733.99	97.37	0.00	97.37	
PERIOD		0.65821	ug/m^3	R-150	418717.54	3752753.99	97.26	0.00	97.26	
PERIOD		0.79970	ug/m^3	R-151	418717.54	3752773.99	97.42	0.00	97.42	
PERIOD		0.98737	ug/m^3	R-152	418717.54	3752793.99	97.49	0.00	97.49	
PERIOD		1.24018	ug/m^3	R-153	418717.54	3752813.99	97.34	0.00	97.34	
PERIOD		1.58847	ug/m^3	R-154	418717.54	3752833.99	97.15	0.00	97.15	
PERIOD		2.33015	ug/m^3	R-155	418717.54	3753133.99	104.10	0.00	104.10	
PERIOD		2.00746	ug/m^3	R-156	418717.54	3753153.99	104.89	0.00	104.89	
PERIOD		1.74657	ug/m^3	R-157	418717.54	3753173.99	105.58	0.00	105.58	
PERIOD		1.53188	ug/m^3	R-158	418717.54	3753193.99	106.09	0.00	106.09	
PERIOD		1.35297	ug/m^3	R-159	418717.54	3753213.99	106.25	0.00	106.25	
PERIOD		1.20093	ug/m^3	R-160	418717.54	3753233.99	106.45	0.00	106.45	
PERIOD		1.07076	ug/m^3	R-161	418717.54	3753253.99	106.53	0.00	106.53	
PERIOD		0.95888	ug/m^3	R-162	418717.54	3753273.99	106.25	0.00	106.25	
PERIOD		0.29456	ug/m^3	R-163	418737.54	3752653.99	99.65	0.00	99.65	
PERIOD		0.33677	ug/m^3	R-164	418737.54	3752673.99	99.60	0.00	99.60	
PERIOD		0.38820	ug/m^3	R-165	418737.54	3752693.99	99.71	0.00	99.71	
PERIOD		0.45047	ug/m^3	R-166	418737.54	3752713.99	98.79	0.00	98.79	
PERIOD		0.52751	ug/m^3	R-167	418737.54	3752733.99	98.02	0.00	98.02	
PERIOD		0.62414	ug/m^3	R-168	418737.54	3752753.99	97.48	0.00	97.48	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.74803	ug/m^3	R-169	418737.54	3752773.99	97.43	0.00	97.43	
PERIOD		0.90821	ug/m^3	R-170	418737.54	3752793.99	97.49	0.00	97.49	
PERIOD		1.11807	ug/m^3	R-171	418737.54	3752813.99	97.64	0.00	97.64	
PERIOD		1.39174	ug/m^3	R-172	418737.54	3752833.99	97.49	0.00	97.49	
PERIOD		1.75107	ug/m^3	R-173	418737.54	3752853.99	97.18	0.00	97.18	
PERIOD		2.57127	ug/m^3	R-174	418737.54	3753113.99	103.68	0.00	103.68	
PERIOD		2.20367	ug/m^3	R-175	418737.54	3753133.99	104.44	0.00	104.44	
PERIOD		1.91159	ug/m^3	R-176	418737.54	3753153.99	105.05	0.00	105.05	
PERIOD		1.67495	ug/m^3	R-177	418737.54	3753173.99	105.33	0.00	105.33	
PERIOD		1.47872	ug/m^3	R-178	418737.54	3753193.99	105.61	0.00	105.61	
PERIOD		1.31304	ug/m^3	R-179	418737.54	3753213.99	105.98	0.00	105.98	
PERIOD		1.17201	ug/m^3	R-180	418737.54	3753233.99	106.16	0.00	106.16	
PERIOD		1.05060	ug/m^3	R-181	418737.54	3753253.99	106.21	0.00	106.21	
PERIOD		0.94532	ug/m^3	R-182	418737.54	3753273.99	106.06	0.00	106.06	
PERIOD		0.28760	ug/m^3	R-183	418757.54	3752653.99	100.42	0.00	100.42	
PERIOD		0.32721	ug/m^3	R-184	418757.54	3752673.99	100.38	0.00	100.38	
PERIOD		0.37500	ug/m^3	R-185	418757.54	3752693.99	100.51	0.00	100.51	
PERIOD		0.43226	ug/m^3	R-186	418757.54	3752713.99	99.49	0.00	99.49	
PERIOD		0.50222	ug/m^3	R-187	418757.54	3752733.99	98.74	0.00	98.74	
PERIOD		0.58869	ug/m^3	R-188	418757.54	3752753.99	98.32	0.00	98.32	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.69670	ug/m^3	R-189	418757.54	3752773.99	98.18	0.00	98.18	
PERIOD		0.83186	ug/m^3	R-190	418757.54	3752793.99	97.99	0.00	97.99	
PERIOD		1.00115	ug/m^3	R-191	418757.54	3752813.99	97.66	0.00	97.66	
PERIOD		1.21733	ug/m^3	R-192	418757.54	3752833.99	97.70	0.00	97.70	
PERIOD		1.49096	ug/m^3	R-193	418757.54	3752853.99	97.63	0.00	97.63	
PERIOD		1.83601	ug/m^3	R-194	418757.54	3752873.99	97.18	0.00	97.18	
PERIOD		2.35700	ug/m^3	R-195	418757.54	3753113.99	103.69	0.00	103.69	
PERIOD		2.04509	ug/m^3	R-196	418757.54	3753133.99	104.37	0.00	104.37	
PERIOD		1.79260	ug/m^3	R-197	418757.54	3753153.99	104.73	0.00	104.73	
PERIOD		1.58428	ug/m^3	R-198	418757.54	3753173.99	105.01	0.00	105.01	
PERIOD		1.40926	ug/m^3	R-199	418757.54	3753193.99	105.31	0.00	105.31	
PERIOD		1.25999	ug/m^3	R-200	418757.54	3753213.99	105.68	0.00	105.68	
PERIOD		1.13200	ug/m^3	R-201	418757.54	3753233.99	105.76	0.00	105.76	
PERIOD		1.02079	ug/m^3	R-202	418757.54	3753253.99	105.76	0.00	105.76	
PERIOD		0.27939	ug/m^3	R-203	418777.54	3752653.99	101.19	0.00	101.19	
PERIOD		0.31623	ug/m^3	R-204	418777.54	3752673.99	101.16	0.00	101.16	
PERIOD		0.36018	ug/m^3	R-205	418777.54	3752693.99	101.32	0.00	101.32	
PERIOD		0.41241	ug/m^3	R-206	418777.54	3752713.99	100.35	0.00	100.35	
PERIOD		0.47535	ug/m^3	R-207	418777.54	3752733.99	99.69	0.00	99.69	
PERIOD		0.55186	ug/m^3	R-208	418777.54	3752753.99	99.37	0.00	99.37	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.64519	ug/m^3	R-209	418777.54	3752773.99	99.18	0.00	99.18	
PERIOD		0.75863	ug/m^3	R-210	418777.54	3752793.99	98.76	0.00	98.76	
PERIOD		0.89544	ug/m^3	R-211	418777.54	3752813.99	97.98	0.00	97.98	
PERIOD		1.06584	ug/m^3	R-212	418777.54	3752833.99	98.03	0.00	98.03	
PERIOD		1.27452	ug/m^3	R-213	418777.54	3752853.99	98.05	0.00	98.05	
PERIOD		1.52672	ug/m^3	R-214	418777.54	3752873.99	97.66	0.00	97.66	
PERIOD		2.40692	ug/m^3	R-215	418777.54	3753093.99	102.85	0.00	102.85	
PERIOD		2.10893	ug/m^3	R-216	418777.54	3753113.99	103.52	0.00	103.52	
PERIOD		1.86069	ug/m^3	R-217	418777.54	3753133.99	104.03	0.00	104.03	
PERIOD		1.65280	ug/m^3	R-218	418777.54	3753153.99	104.35	0.00	104.35	
PERIOD		1.47653	ug/m^3	R-219	418777.54	3753173.99	104.72	0.00	104.72	
PERIOD		1.32558	ug/m^3	R-220	418777.54	3753193.99	105.04	0.00	105.04	
PERIOD		1.19516	ug/m^3	R-221	418777.54	3753213.99	105.25	0.00	105.25	
PERIOD		1.08170	ug/m^3	R-222	418777.54	3753233.99	105.25	0.00	105.25	
PERIOD		0.98184	ug/m^3	R-223	418777.54	3753253.99	105.26	0.00	105.26	
PERIOD		0.27020	ug/m^3	R-224	418797.54	3752653.99	101.95	0.00	101.95	
PERIOD		0.30417	ug/m^3	R-225	418797.54	3752673.99	101.95	0.00	101.95	
PERIOD		0.34425	ug/m^3	R-226	418797.54	3752693.99	102.13	0.00	102.13	
PERIOD		0.39147	ug/m^3	R-227	418797.54	3752713.99	101.36	0.00	101.36	
PERIOD		0.44758	ug/m^3	R-228	418797.54	3752733.99	100.84	0.00	100.84	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.51459	ug/m^3	R-229	418797.54	3752753.99	100.62	0.00	100.62	
PERIOD		0.59469	ug/m^3	R-230	418797.54	3752773.99	100.49	0.00	100.49	
PERIOD		0.68989	ug/m^3	R-231	418797.54	3752793.99	100.03	0.00	102.16	
PERIOD		0.80170	ug/m^3	R-232	418797.54	3752813.99	99.05	0.00	101.02	
PERIOD		0.93601	ug/m^3	R-233	418797.54	3752833.99	98.88	0.00	98.88	
PERIOD		1.09462	ug/m^3	R-234	418797.54	3752853.99	98.68	0.00	98.68	
PERIOD		1.27859	ug/m^3	R-235	418797.54	3752873.99	98.12	0.00	98.12	
PERIOD		1.49344	ug/m^3	R-236	418797.54	3752893.99	97.56	0.00	97.56	
PERIOD		2.29452	ug/m^3	R-237	418797.54	3753073.99	102.93	0.00	102.93	
PERIOD		2.05728	ug/m^3	R-238	418797.54	3753093.99	102.90	0.00	102.90	
PERIOD		1.84681	ug/m^3	R-239	418797.54	3753113.99	103.21	0.00	103.21	
PERIOD		1.66147	ug/m^3	R-240	418797.54	3753133.99	103.60	0.00	103.60	
PERIOD		1.49877	ug/m^3	R-241	418797.54	3753153.99	104.09	0.00	104.09	
PERIOD		1.35615	ug/m^3	R-242	418797.54	3753173.99	104.45	0.00	104.45	
PERIOD		1.23086	ug/m^3	R-243	418797.54	3753193.99	104.68	0.00	104.68	
PERIOD		1.12055	ug/m^3	R-244	418797.54	3753213.99	104.66	0.00	104.66	
PERIOD		1.02244	ug/m^3	R-245	418797.54	3753233.99	104.69	0.00	104.69	
PERIOD		0.26029	ug/m^3	R-246	418817.54	3752653.99	102.70	0.00	102.70	
PERIOD		0.29137	ug/m^3	R-247	418817.54	3752673.99	102.73	0.00	102.73	
PERIOD		0.32763	ug/m^3	R-248	418817.54	3752693.99	102.93	0.00	102.93	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.36996	ug/m^3	R-249	418817.54	3752713.99	102.48	0.00	102.48	
PERIOD		0.41954	ug/m^3	R-250	418817.54	3752733.99	102.17	0.00	102.17	
PERIOD		0.47770	ug/m^3	R-251	418817.54	3752753.99	102.02	0.00	102.02	
PERIOD		0.54596	ug/m^3	R-252	418817.54	3752773.99	102.16	0.00	102.16	
PERIOD		0.62566	ug/m^3	R-253	418817.54	3752793.99	101.96	0.00	101.96	
PERIOD		0.71789	ug/m^3	R-254	418817.54	3752813.99	101.22	0.00	101.22	
PERIOD		0.82417	ug/m^3	R-255	418817.54	3752833.99	100.58	0.00	100.58	
PERIOD		0.94490	ug/m^3	R-256	418817.54	3752853.99	99.78	0.00	99.78	
PERIOD		1.07814	ug/m^3	R-257	418817.54	3752873.99	98.55	0.00	98.55	
PERIOD		1.22822	ug/m^3	R-258	418817.54	3752893.99	97.94	0.00	97.94	
PERIOD		1.39157	ug/m^3	R-259	418817.54	3752913.99	97.44	0.00	97.44	
PERIOD		1.86974	ug/m^3	R-260	418817.54	3753073.99	102.96	0.00	102.96	
PERIOD		1.72828	ug/m^3	R-261	418817.54	3753093.99	102.76	0.00	102.76	
PERIOD		1.59037	ug/m^3	R-262	418817.54	3753113.99	103.01	0.00	103.01	
PERIOD		1.46000	ug/m^3	R-263	418817.54	3753133.99	103.40	0.00	103.40	
PERIOD		1.33914	ug/m^3	R-264	418817.54	3753153.99	103.92	0.00	103.92	
PERIOD		1.22926	ug/m^3	R-265	418817.54	3753173.99	103.95	0.00	103.95	
PERIOD		1.12944	ug/m^3	R-266	418817.54	3753193.99	103.93	0.00	103.93	
PERIOD		1.03881	ug/m^3	R-267	418817.54	3753213.99	103.91	0.00	103.91	
PERIOD		0.24987	ug/m^3	R-268	418837.54	3752653.99	103.44	0.00	103.44	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.27814	ug/m^3	R-269	418837.54	3752673.99	103.54	0.00	103.54	
PERIOD		0.31072	ug/m^3	R-270	418837.54	3752693.99	103.86	0.00	103.86	
PERIOD		0.34834	ug/m^3	R-271	418837.54	3752713.99	103.82	0.00	103.82	
PERIOD		0.39178	ug/m^3	R-272	418837.54	3752733.99	103.63	0.00	103.63	
PERIOD		0.44188	ug/m^3	R-273	418837.54	3752753.99	103.30	0.00	103.30	
PERIOD		0.49952	ug/m^3	R-274	418837.54	3752773.99	103.61	0.00	103.61	
PERIOD		0.56556	ug/m^3	R-275	418837.54	3752793.99	103.57	0.00	103.57	
PERIOD		0.64067	ug/m^3	R-276	418837.54	3752813.99	102.99	0.00	102.99	
PERIOD		0.72468	ug/m^3	R-277	418837.54	3752833.99	101.66	0.00	101.66	
PERIOD		0.81695	ug/m^3	R-278	418837.54	3752853.99	100.34	0.00	108.70	
PERIOD		0.91669	ug/m^3	R-279	418837.54	3752873.99	99.24	0.00	108.70	
PERIOD		1.02551	ug/m^3	R-280	418837.54	3752893.99	99.05	0.00	108.70	
PERIOD		1.13842	ug/m^3	R-281	418837.54	3752913.99	98.88	0.00	98.88	
PERIOD		1.43849	ug/m^3	R-282	418837.54	3753093.99	102.75	0.00	102.75	
PERIOD		1.35406	ug/m^3	R-283	418837.54	3753113.99	102.77	0.00	102.77	
PERIOD		1.26776	ug/m^3	R-284	418837.54	3753133.99	102.90	0.00	102.90	
PERIOD		1.18284	ug/m^3	R-285	418837.54	3753153.99	103.16	0.00	103.16	
PERIOD		1.10157	ug/m^3	R-286	418837.54	3753173.99	103.18	0.00	103.18	
PERIOD		1.02467	ug/m^3	R-287	418837.54	3753193.99	103.27	0.00	103.27	
PERIOD		0.23917	ug/m^3	R-288	418857.54	3752653.99	104.21	0.00	104.21	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.26472	ug/m^3	R-289	418857.54	3752673.99	104.36	0.00	104.36	
PERIOD		0.29383	ug/m^3	R-290	418857.54	3752693.99	104.74	0.00	104.74	
PERIOD		0.32701	ug/m^3	R-291	418857.54	3752713.99	104.98	0.00	104.98	
PERIOD		0.36482	ug/m^3	R-292	418857.54	3752733.99	104.90	0.00	104.90	
PERIOD		0.40782	ug/m^3	R-293	418857.54	3752753.99	104.50	0.00	104.50	
PERIOD		0.45636	ug/m^3	R-294	418857.54	3752773.99	104.44	0.00	104.44	
PERIOD		0.51094	ug/m^3	R-295	418857.54	3752793.99	104.13	0.00	104.13	
PERIOD		0.57175	ug/m^3	R-296	418857.54	3752813.99	103.44	0.00	103.44	
PERIOD		0.63835	ug/m^3	R-297	418857.54	3752833.99	102.12	0.00	108.96	
PERIOD		0.70978	ug/m^3	R-298	418857.54	3752853.99	100.89	0.00	109.75	
PERIOD		0.78498	ug/m^3	R-299	418857.54	3752873.99	100.00	0.00	109.75	
PERIOD		0.86391	ug/m^3	R-300	418857.54	3752893.99	100.06	0.00	108.70	
PERIOD		0.94263	ug/m^3	R-301	418857.54	3752913.99	100.09	0.00	100.09	
PERIOD		1.01502	ug/m^3	R-302	418857.54	3752933.99	99.36	0.00	99.36	
PERIOD		1.19382	ug/m^3	R-303	418857.54	3753093.99	102.25	0.00	102.25	
PERIOD		1.14586	ug/m^3	R-304	418857.54	3753113.99	102.48	0.00	102.48	
PERIOD		1.09191	ug/m^3	R-305	418857.54	3753133.99	102.62	0.00	102.62	
PERIOD		1.03509	ug/m^3	R-306	418857.54	3753153.99	102.68	0.00	102.68	
PERIOD		0.97760	ug/m^3	R-307	418857.54	3753173.99	102.67	0.00	102.67	
PERIOD		0.22835	ug/m^3	R-308	418877.54	3752653.99	104.97	0.00	104.97	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.25134	ug/m^3	R-309	418877.54	3752673.99	105.16	0.00	105.16	
PERIOD		0.27723	ug/m^3	R-310	418877.54	3752693.99	105.59	0.00	105.59	
PERIOD		0.30634	ug/m^3	R-311	418877.54	3752713.99	106.02	0.00	106.02	
PERIOD		0.33912	ug/m^3	R-312	418877.54	3752733.99	106.02	0.00	106.02	
PERIOD		0.37590	ug/m^3	R-313	418877.54	3752753.99	105.62	0.00	105.62	
PERIOD		0.41682	ug/m^3	R-314	418877.54	3752773.99	105.18	0.00	105.18	
PERIOD		0.46200	ug/m^3	R-315	418877.54	3752793.99	104.65	0.00	104.65	
PERIOD		0.51132	ug/m^3	R-316	418877.54	3752813.99	103.97	0.00	108.96	
PERIOD		0.56435	ug/m^3	R-317	418877.54	3752833.99	102.90	0.00	109.90	
PERIOD		0.62006	ug/m^3	R-318	418877.54	3752853.99	101.85	0.00	109.90	
PERIOD		0.67712	ug/m^3	R-319	418877.54	3752873.99	100.94	0.00	109.90	
PERIOD		0.73471	ug/m^3	R-320	418877.54	3752893.99	100.98	0.00	109.75	
PERIOD		0.79041	ug/m^3	R-321	418877.54	3752913.99	101.10	0.00	101.10	
PERIOD		0.84142	ug/m^3	R-322	418877.54	3752933.99	100.78	0.00	100.78	
PERIOD		0.93658	ug/m^3	R-323	418877.54	3753133.99	102.04	0.00	102.04	
PERIOD		0.90038	ug/m^3	R-324	418877.54	3753153.99	102.31	0.00	102.31	
PERIOD		0.86142	ug/m^3	R-325	418877.54	3753173.99	102.40	0.00	102.40	
PERIOD		0.82091	ug/m^3	R-326	418877.54	3753193.99	102.57	0.00	102.57	
PERIOD		0.21758	ug/m^3	R-327	418897.54	3752653.99	105.72	0.00	105.72	
PERIOD		0.23818	ug/m^3	R-328	418897.54	3752673.99	105.95	0.00	105.95	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.26111	ug/m^3	R-329	418897.54	3752693.99	106.41	0.00	106.41	
PERIOD		0.28657	ug/m^3	R-330	418897.54	3752713.99	106.97	0.00	106.97	
PERIOD		0.31489	ug/m^3	R-331	418897.54	3752733.99	107.07	0.00	107.07	
PERIOD		0.34628	ug/m^3	R-332	418897.54	3752753.99	106.72	0.00	106.72	
PERIOD		0.38072	ug/m^3	R-333	418897.54	3752773.99	106.23	0.00	106.23	
PERIOD		0.41808	ug/m^3	R-334	418897.54	3752793.99	105.80	0.00	108.96	
PERIOD		0.45807	ug/m^3	R-335	418897.54	3752813.99	105.46	0.00	108.96	
PERIOD		0.50043	ug/m^3	R-336	418897.54	3752833.99	104.70	0.00	109.90	
PERIOD		0.54425	ug/m^3	R-337	418897.54	3752853.99	103.67	0.00	109.90	
PERIOD		0.58818	ug/m^3	R-338	418897.54	3752873.99	102.28	0.00	109.90	
PERIOD		0.63085	ug/m^3	R-339	418897.54	3752893.99	101.96	0.00	109.75	
PERIOD		0.67103	ug/m^3	R-340	418897.54	3752913.99	102.00	0.00	102.00	
PERIOD		0.70746	ug/m^3	R-341	418897.54	3752933.99	102.30	0.00	102.30	
PERIOD		0.73891	ug/m^3	R-342	418897.54	3752953.99	101.46	0.00	101.46	
PERIOD		0.75556	ug/m^3	R-343	418897.54	3753173.99	102.26	0.00	102.26	
PERIOD		0.72782	ug/m^3	R-344	418897.54	3753193.99	102.58	0.00	102.58	
PERIOD		0.20696	ug/m^3	R-345	418917.54	3752653.99	106.47	0.00	106.47	
PERIOD		0.22536	ug/m^3	R-346	418917.54	3752673.99	106.74	0.00	106.74	
PERIOD		0.24565	ug/m^3	R-347	418917.54	3752693.99	107.25	0.00	107.25	
PERIOD		0.26737	ug/m^3	R-348	418917.54	3752713.99	107.92	0.00	107.92	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.29130	ug/m^3	R-349	418917.54	3752733.99	108.14	0.00	108.14	
PERIOD		0.31835	ug/m^3	R-350	418917.54	3752753.99	107.95	0.00	107.95	
PERIOD		0.34679	ug/m^3	R-351	418917.54	3752773.99	108.04	0.00	108.04	
PERIOD		0.37667	ug/m^3	R-352	418917.54	3752793.99	108.27	0.00	108.27	
PERIOD		0.40751	ug/m^3	R-353	418917.54	3752813.99	108.65	0.00	108.96	
PERIOD		0.44134	ug/m^3	R-354	418917.54	3752833.99	108.46	0.00	108.46	
PERIOD		0.47858	ug/m^3	R-355	418917.54	3752853.99	107.33	0.00	108.70	
PERIOD		0.51373	ug/m^3	R-356	418917.54	3752873.99	104.70	0.00	109.75	
PERIOD		0.54639	ug/m^3	R-357	418917.54	3752893.99	103.48	0.00	109.75	
PERIOD		0.57619	ug/m^3	R-358	418917.54	3752913.99	103.01	0.00	107.67	
PERIOD		0.60234	ug/m^3	R-359	418917.54	3752933.99	103.65	0.00	103.65	
PERIOD		0.62510	ug/m^3	R-360	418917.54	3752953.99	103.37	0.00	103.37	
PERIOD		0.64451	ug/m^3	R-361	418917.54	3752973.99	102.58	0.00	105.97	
PERIOD		0.64311	ug/m^3	R-362	418917.54	3753193.99	102.46	0.00	102.46	
PERIOD		0.62304	ug/m^3	R-363	418917.54	3753213.99	102.62	0.00	102.62	
PERIOD		0.19662	ug/m^3	R-364	418937.54	3752653.99	107.19	0.00	107.19	
PERIOD		0.21307	ug/m^3	R-365	418937.54	3752673.99	107.47	0.00	107.47	
PERIOD		0.23047	ug/m^3	R-366	418937.54	3752693.99	107.95	0.00	107.95	
PERIOD		0.24879	ug/m^3	R-367	418937.54	3752713.99	108.60	0.00	108.60	
PERIOD		0.26928	ug/m^3	R-368	418937.54	3752733.99	108.87	0.00	108.87	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.29196	ug/m^3	R-369	418937.54	3752753.99	108.80	0.00	108.80	
PERIOD		0.31510	ug/m^3	R-370	418937.54	3752773.99	109.17	0.00	109.17	
PERIOD		0.33957	ug/m^3	R-371	418937.54	3752793.99	109.45	0.00	109.45	
PERIOD		0.36514	ug/m^3	R-372	418937.54	3752813.99	109.62	0.00	109.62	
PERIOD		0.39186	ug/m^3	R-373	418937.54	3752833.99	109.52	0.00	109.52	
PERIOD		0.42065	ug/m^3	R-374	418937.54	3752853.99	108.78	0.00	108.78	
PERIOD		0.45104	ug/m^3	R-375	418937.54	3752873.99	106.99	0.00	106.99	
PERIOD		0.47678	ug/m^3	R-376	418937.54	3752893.99	105.21	0.00	109.07	
PERIOD		0.49969	ug/m^3	R-377	418937.54	3752913.99	104.10	0.00	104.10	
PERIOD		0.51895	ug/m^3	R-378	418937.54	3752933.99	104.59	0.00	104.59	
PERIOD		0.53529	ug/m^3	R-379	418937.54	3752953.99	104.88	0.00	104.88	
PERIOD		0.54917	ug/m^3	R-380	418937.54	3752973.99	104.74	0.00	105.97	
PERIOD		0.56164	ug/m^3	R-381	418937.54	3752993.99	103.23	0.00	112.00	
PERIOD		0.55402	ug/m^3	R-382	418937.54	3753213.99	102.68	0.00	102.68	
PERIOD		0.18631	ug/m^3	R-383	418957.54	3752653.99	107.91	0.00	107.91	
PERIOD		0.20061	ug/m^3	R-384	418957.54	3752673.99	108.14	0.00	108.14	
PERIOD		0.21583	ug/m^3	R-385	418957.54	3752693.99	108.53	0.00	108.53	
PERIOD		0.23191	ug/m^3	R-386	418957.54	3752713.99	109.11	0.00	109.11	
PERIOD		0.24961	ug/m^3	R-387	418957.54	3752733.99	109.35	0.00	109.35	
PERIOD		0.26885	ug/m^3	R-388	418957.54	3752753.99	109.32	0.00	109.32	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.28825	ug/m^3	R-389	418957.54	3752773.99	109.72	0.00	109.72	
PERIOD		0.30872	ug/m^3	R-390	418957.54	3752793.99	109.92	0.00	109.92	
PERIOD		0.33014	ug/m^3	R-391	418957.54	3752813.99	109.88	0.00	109.88	
PERIOD		0.35191	ug/m^3	R-392	418957.54	3752833.99	109.74	0.00	109.74	
PERIOD		0.37410	ug/m^3	R-393	418957.54	3752853.99	109.32	0.00	109.32	
PERIOD		0.39691	ug/m^3	R-394	418957.54	3752873.99	108.47	0.00	108.47	
PERIOD		0.41924	ug/m^3	R-395	418957.54	3752893.99	106.62	0.00	109.07	
PERIOD		0.43720	ug/m^3	R-396	418957.54	3752913.99	105.20	0.00	105.20	
PERIOD		0.45195	ug/m^3	R-397	418957.54	3752933.99	105.23	0.00	105.23	
PERIOD		0.46402	ug/m^3	R-398	418957.54	3752953.99	105.61	0.00	105.61	
PERIOD		0.47392	ug/m^3	R-399	418957.54	3752973.99	105.87	0.00	105.87	
PERIOD		0.48271	ug/m^3	R-400	418957.54	3752993.99	105.28	0.00	112.00	
PERIOD		0.49039	ug/m^3	R-401	418957.54	3753013.99	104.45	0.00	112.22	
PERIOD		0.49717	ug/m^3	R-402	418957.54	3753033.99	103.51	0.00	112.22	
PERIOD		0.49196	ug/m^3	R-403	418957.54	3753213.99	102.80	0.00	102.80	
PERIOD		0.17608	ug/m^3	R-404	418977.54	3752653.99	108.55	0.00	108.55	
PERIOD		0.18885	ug/m^3	R-405	418977.54	3752673.99	108.70	0.00	108.70	
PERIOD		0.20241	ug/m^3	R-406	418977.54	3752693.99	108.95	0.00	108.95	
PERIOD		0.21662	ug/m^3	R-407	418977.54	3752713.99	109.38	0.00	109.38	
PERIOD		0.23196	ug/m^3	R-408	418977.54	3752733.99	109.58	0.00	109.58	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.24831	ug/m^3	R-409	418977.54	3752753.99	109.62	0.00	109.62	
PERIOD		0.26479	ug/m^3	R-410	418977.54	3752773.99	109.95	0.00	109.95	
PERIOD		0.28205	ug/m^3	R-411	418977.54	3752793.99	110.06	0.00	110.06	
PERIOD		0.29997	ug/m^3	R-412	418977.54	3752813.99	109.92	0.00	109.92	
PERIOD		0.31802	ug/m^3	R-413	418977.54	3752833.99	109.67	0.00	109.67	
PERIOD		0.33559	ug/m^3	R-414	418977.54	3752853.99	109.43	0.00	109.43	
PERIOD		0.35223	ug/m^3	R-415	418977.54	3752873.99	109.20	0.00	109.20	
PERIOD		0.37162	ug/m^3	R-416	418977.54	3752893.99	107.67	0.00	107.67	
PERIOD		0.38559	ug/m^3	R-417	418977.54	3752913.99	106.30	0.00	106.30	
PERIOD		0.39724	ug/m^3	R-418	418977.54	3752933.99	105.82	0.00	105.82	
PERIOD		0.40653	ug/m^3	R-419	418977.54	3752953.99	105.95	0.00	105.95	
PERIOD		0.41380	ug/m^3	R-420	418977.54	3752973.99	106.35	0.00	106.35	
PERIOD		0.41934	ug/m^3	R-421	418977.54	3752993.99	107.06	0.00	112.00	
PERIOD		0.42433	ug/m^3	R-422	418977.54	3753013.99	107.41	0.00	112.00	
PERIOD		0.42875	ug/m^3	R-423	418977.54	3753033.99	107.28	0.00	112.22	
PERIOD		0.43408	ug/m^3	R-424	418977.54	3753053.99	105.45	0.00	112.22	
PERIOD		0.16650	ug/m^3	R-425	418997.54	3752653.99	109.12	0.00	109.12	
PERIOD		0.17791	ug/m^3	R-426	418997.54	3752673.99	109.17	0.00	109.17	
PERIOD		0.19003	ug/m^3	R-427	418997.54	3752693.99	109.25	0.00	109.25	
PERIOD		0.20270	ug/m^3	R-428	418997.54	3752713.99	109.45	0.00	109.45	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.21600	ug/m^3	R-429	418997.54	3752733.99	109.63	0.00	109.63	
PERIOD		0.22984	ug/m^3	R-430	418997.54	3752753.99	109.80	0.00	109.80	
PERIOD		0.24376	ug/m^3	R-431	418997.54	3752773.99	110.16	0.00	110.16	
PERIOD		0.25826	ug/m^3	R-432	418997.54	3752793.99	110.26	0.00	110.26	
PERIOD		0.27319	ug/m^3	R-433	418997.54	3752813.99	110.10	0.00	110.10	
PERIOD		0.28833	ug/m^3	R-434	418997.54	3752833.99	109.71	0.00	109.71	
PERIOD		0.30269	ug/m^3	R-435	418997.54	3752853.99	109.46	0.00	109.46	
PERIOD		0.31567	ug/m^3	R-436	418997.54	3752873.99	109.44	0.00	109.44	
PERIOD		0.32999	ug/m^3	R-437	418997.54	3752893.99	108.40	0.00	108.40	
PERIOD		0.34268	ug/m^3	R-438	418997.54	3752913.99	107.36	0.00	107.36	
PERIOD		0.35180	ug/m^3	R-439	418997.54	3752933.99	106.70	0.00	106.70	
PERIOD		0.35907	ug/m^3	R-440	418997.54	3752953.99	106.63	0.00	106.63	
PERIOD		0.36449	ug/m^3	R-441	418997.54	3752973.99	107.10	0.00	111.45	
PERIOD		0.36409	ug/m^3	R-442	418997.54	3752993.99	108.74	0.00	111.45	
PERIOD		0.36074	ug/m^3	R-443	418997.54	3753013.99	110.44	0.00	110.44	
PERIOD		0.35845	ug/m^3	R-444	418997.54	3753033.99	111.70	0.00	111.70	
PERIOD		0.36470	ug/m^3	R-445	418997.54	3753053.99	110.51	0.00	110.51	
PERIOD		0.37862	ug/m^3	R-446	418997.54	3753073.99	108.05	0.00	112.00	
PERIOD		0.38531	ug/m^3	R-447	418997.54	3753093.99	104.99	0.00	112.22	
PERIOD		0.38830	ug/m^3	R-448	418997.54	3753113.99	103.63	0.00	112.03	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.39036	ug/m^3	R-449	418997.54	3753133.99	102.94	0.00	112.03	
PERIOD		0.15743	ug/m^3	R-450	419017.54	3752653.99	109.72	0.00	109.72	
PERIOD		0.16751	ug/m^3	R-451	419017.54	3752673.99	109.80	0.00	109.80	
PERIOD		0.17817	ug/m^3	R-452	419017.54	3752693.99	109.86	0.00	109.86	
PERIOD		0.18928	ug/m^3	R-453	419017.54	3752713.99	109.99	0.00	109.99	
PERIOD		0.20087	ug/m^3	R-454	419017.54	3752733.99	110.09	0.00	110.09	
PERIOD		0.21287	ug/m^3	R-455	419017.54	3752753.99	110.15	0.00	110.15	
PERIOD		0.22495	ug/m^3	R-456	419017.54	3752773.99	110.31	0.00	110.31	
PERIOD		0.23726	ug/m^3	R-457	419017.54	3752793.99	110.35	0.00	110.35	
PERIOD		0.24968	ug/m^3	R-458	419017.54	3752813.99	110.24	0.00	110.24	
PERIOD		0.26244	ug/m^3	R-459	419017.54	3752833.99	109.74	0.00	109.74	
PERIOD		0.27442	ug/m^3	R-460	419017.54	3752853.99	109.41	0.00	109.41	
PERIOD		0.28506	ug/m^3	R-461	419017.54	3752873.99	109.36	0.00	109.36	
PERIOD		0.29591	ug/m^3	R-462	419017.54	3752893.99	108.72	0.00	108.72	
PERIOD		0.30581	ug/m^3	R-463	419017.54	3752913.99	108.05	0.00	108.05	
PERIOD		0.31400	ug/m^3	R-464	419017.54	3752933.99	107.53	0.00	107.53	
PERIOD		0.31953	ug/m^3	R-465	419017.54	3752953.99	107.66	0.00	107.66	
PERIOD		0.32145	ug/m^3	R-466	419017.54	3752973.99	108.39	0.00	111.45	
PERIOD		0.31856	ug/m^3	R-467	419017.54	3752993.99	110.36	0.00	111.45	
PERIOD		0.31721	ug/m^3	R-468	419017.54	3753013.99	111.50	0.00	111.50	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.31674	ug/m^3	R-469	419017.54	3753033.99	112.10	0.00	112.10	
PERIOD		0.31893	ug/m^3	R-470	419017.54	3753053.99	111.71	0.00	111.71	
PERIOD		0.32789	ug/m^3	R-471	419017.54	3753073.99	109.45	0.00	112.00	
PERIOD		0.33870	ug/m^3	R-472	419017.54	3753093.99	106.20	0.00	112.03	
PERIOD		0.34157	ug/m^3	R-473	419017.54	3753113.99	104.43	0.00	112.03	
PERIOD		0.34366	ug/m^3	R-474	419017.54	3753133.99	103.71	0.00	112.03	
PERIOD		0.34502	ug/m^3	R-475	419017.54	3753153.99	103.85	0.00	103.85	
PERIOD		0.34629	ug/m^3	R-476	419017.54	3753173.99	102.92	0.00	102.92	
PERIOD		0.14852	ug/m^3	R-477	419037.54	3752653.99	110.83	0.00	110.83	
PERIOD		0.15740	ug/m^3	R-478	419037.54	3752673.99	110.93	0.00	110.93	
PERIOD		0.16680	ug/m^3	R-479	419037.54	3752693.99	110.92	0.00	110.92	
PERIOD		0.17660	ug/m^3	R-480	419037.54	3752713.99	110.89	0.00	110.89	
PERIOD		0.18681	ug/m^3	R-481	419037.54	3752733.99	110.79	0.00	110.79	
PERIOD		0.19733	ug/m^3	R-482	419037.54	3752753.99	110.64	0.00	110.64	
PERIOD		0.20798	ug/m^3	R-483	419037.54	3752773.99	110.50	0.00	110.50	
PERIOD		0.21863	ug/m^3	R-484	419037.54	3752793.99	110.37	0.00	110.37	
PERIOD		0.22911	ug/m^3	R-485	419037.54	3752813.99	110.24	0.00	110.24	
PERIOD		0.23988	ug/m^3	R-486	419037.54	3752833.99	109.69	0.00	109.69	
PERIOD		0.24991	ug/m^3	R-487	419037.54	3752853.99	109.32	0.00	109.32	
PERIOD		0.25873	ug/m^3	R-488	419037.54	3752873.99	109.24	0.00	109.24	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.26698	ug/m^3	R-489	419037.54	3752893.99	108.96	0.00	108.96	
PERIOD		0.27431	ug/m^3	R-490	419037.54	3752913.99	108.63	0.00	108.63	
PERIOD		0.28066	ug/m^3	R-491	419037.54	3752933.99	108.26	0.00	108.26	
PERIOD		0.28443	ug/m^3	R-492	419037.54	3752953.99	108.50	0.00	108.50	
PERIOD		0.28575	ug/m^3	R-493	419037.54	3752973.99	109.26	0.00	109.26	
PERIOD		0.28362	ug/m^3	R-494	419037.54	3752993.99	111.05	0.00	111.05	
PERIOD		0.28299	ug/m^3	R-495	419037.54	3753013.99	111.84	0.00	111.84	
PERIOD		0.28051	ug/m^3	R-496	419037.54	3753033.99	112.14	0.00	112.14	
PERIOD		0.28369	ug/m^3	R-497	419037.54	3753053.99	112.05	0.00	112.05	
PERIOD		0.28970	ug/m^3	R-498	419037.54	3753073.99	110.11	0.00	112.03	
PERIOD		0.30013	ug/m^3	R-499	419037.54	3753093.99	107.20	0.00	112.03	
PERIOD		0.30253	ug/m^3	R-500	419037.54	3753113.99	105.36	0.00	112.03	
PERIOD		0.30437	ug/m^3	R-501	419037.54	3753133.99	104.72	0.00	104.72	
PERIOD		0.30571	ug/m^3	R-502	419037.54	3753153.99	105.02	0.00	105.02	
PERIOD		0.30732	ug/m^3	R-503	419037.54	3753173.99	104.08	0.00	104.08	
PERIOD		0.14055	ug/m^3	R-504	419057.54	3752653.99	111.41	0.00	111.41	
PERIOD		0.14845	ug/m^3	R-505	419057.54	3752673.99	111.48	0.00	111.48	
PERIOD		0.15677	ug/m^3	R-506	419057.54	3752693.99	111.41	0.00	111.41	
PERIOD		0.16544	ug/m^3	R-507	419057.54	3752713.99	111.27	0.00	111.27	
PERIOD		0.17440	ug/m^3	R-508	419057.54	3752733.99	111.07	0.00	111.07	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.18357	ug/m^3	R-509	419057.54	3752753.99	110.83	0.00	110.83	
PERIOD		0.19278	ug/m^3	R-510	419057.54	3752773.99	110.62	0.00	110.62	
PERIOD		0.20187	ug/m^3	R-511	419057.54	3752793.99	110.47	0.00	110.47	
PERIOD		0.21069	ug/m^3	R-512	419057.54	3752813.99	110.37	0.00	110.37	
PERIOD		0.21969	ug/m^3	R-513	419057.54	3752833.99	109.88	0.00	109.88	
PERIOD		0.22799	ug/m^3	R-514	419057.54	3752853.99	109.56	0.00	109.56	
PERIOD		0.23526	ug/m^3	R-515	419057.54	3752873.99	109.50	0.00	109.50	
PERIOD		0.24165	ug/m^3	R-516	419057.54	3752893.99	109.47	0.00	109.47	
PERIOD		0.24727	ug/m^3	R-517	419057.54	3752913.99	109.34	0.00	109.34	
PERIOD		0.25226	ug/m^3	R-518	419057.54	3752933.99	109.02	0.00	109.02	
PERIOD		0.25510	ug/m^3	R-519	419057.54	3752953.99	109.31	0.00	109.31	
PERIOD		0.25617	ug/m^3	R-520	419057.54	3752973.99	109.99	0.00	109.99	
PERIOD		0.25498	ug/m^3	R-521	419057.54	3752993.99	111.37	0.00	111.37	
PERIOD		0.25469	ug/m^3	R-522	419057.54	3753013.99	111.91	0.00	111.91	
PERIOD		0.25465	ug/m^3	R-523	419057.54	3753033.99	112.09	0.00	112.09	
PERIOD		0.25491	ug/m^3	R-524	419057.54	3753053.99	112.04	0.00	112.04	
PERIOD		0.25851	ug/m^3	R-525	419057.54	3753073.99	110.58	0.00	110.58	
PERIOD		0.26539	ug/m^3	R-526	419057.54	3753093.99	108.39	0.00	112.03	
PERIOD		0.26955	ug/m^3	R-527	419057.54	3753113.99	106.73	0.00	110.04	
PERIOD		0.27108	ug/m^3	R-528	419057.54	3753133.99	106.10	0.00	106.10	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.27233	ug/m^3	R-529	419057.54	3753153.99	106.26	0.00	106.26	
PERIOD		0.27385	ug/m^3	R-530	419057.54	3753173.99	105.67	0.00	105.67	
PERIOD		0.27526	ug/m^3	R-531	419057.54	3753193.99	104.86	0.00	107.00	
PERIOD		0.13332	ug/m^3	R-532	419077.54	3752653.99	111.57	0.00	111.57	
PERIOD		0.14038	ug/m^3	R-533	419077.54	3752673.99	111.58	0.00	111.58	
PERIOD		0.14774	ug/m^3	R-534	419077.54	3752693.99	111.51	0.00	111.51	
PERIOD		0.15542	ug/m^3	R-535	419077.54	3752713.99	111.30	0.00	111.30	
PERIOD		0.16327	ug/m^3	R-536	419077.54	3752733.99	111.08	0.00	111.08	
PERIOD		0.17121	ug/m^3	R-537	419077.54	3752753.99	110.86	0.00	110.86	
PERIOD		0.17899	ug/m^3	R-538	419077.54	3752773.99	110.81	0.00	110.81	
PERIOD		0.21424	ug/m^3	R-539	419077.54	3752873.99	110.19	0.00	110.19	
PERIOD		0.21931	ug/m^3	R-540	419077.54	3752893.99	110.30	0.00	110.30	
PERIOD		0.22381	ug/m^3	R-541	419077.54	3752913.99	110.23	0.00	110.23	
PERIOD		0.22799	ug/m^3	R-542	419077.54	3752933.99	109.82	0.00	109.82	
PERIOD		0.23017	ug/m^3	R-543	419077.54	3752953.99	110.14	0.00	110.14	
PERIOD		0.23102	ug/m^3	R-544	419077.54	3752973.99	110.75	0.00	110.75	
PERIOD		0.23059	ug/m^3	R-545	419077.54	3752993.99	111.68	0.00	111.68	
PERIOD		0.23050	ug/m^3	R-546	419077.54	3753013.99	112.01	0.00	112.01	
PERIOD		0.23045	ug/m^3	R-547	419077.54	3753033.99	112.08	0.00	112.08	
PERIOD		0.23049	ug/m^3	R-548	419077.54	3753053.99	112.00	0.00	112.00	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.23201	ug/m^3	R-549	419077.54	3753073.99	111.19	0.00	111.19	
PERIOD		0.23485	ug/m^3	R-550	419077.54	3753093.99	109.97	0.00	109.97	
PERIOD		0.23876	ug/m^3	R-551	419077.54	3753113.99	108.65	0.00	108.65	
PERIOD		0.24218	ug/m^3	R-552	419077.54	3753133.99	107.85	0.00	107.85	
PERIOD		0.24408	ug/m^3	R-553	419077.54	3753153.99	107.46	0.00	107.46	
PERIOD		0.24525	ug/m^3	R-554	419077.54	3753173.99	107.20	0.00	107.20	
PERIOD		0.24679	ug/m^3	R-555	419077.54	3753193.99	106.07	0.00	106.07	
PERIOD		0.19591	ug/m^3	R-556	419097.54	3752873.99	110.88	0.00	110.88	
PERIOD		0.20014	ug/m^3	R-557	419097.54	3752893.99	110.97	0.00	110.97	
PERIOD		0.20386	ug/m^3	R-558	419097.54	3752913.99	110.90	0.00	110.90	
PERIOD		0.20730	ug/m^3	R-559	419097.54	3752933.99	110.48	0.00	110.48	
PERIOD		0.20899	ug/m^3	R-560	419097.54	3752953.99	110.83	0.00	110.83	
PERIOD		0.20973	ug/m^3	R-561	419097.54	3752973.99	111.34	0.00	111.34	
PERIOD		0.20984	ug/m^3	R-562	419097.54	3752993.99	111.82	0.00	111.82	
PERIOD		0.20993	ug/m^3	R-563	419097.54	3753013.99	111.94	0.00	111.94	
PERIOD		0.20989	ug/m^3	R-564	419097.54	3753033.99	111.91	0.00	111.91	
PERIOD		0.20982	ug/m^3	R-565	419097.54	3753053.99	111.79	0.00	111.79	
PERIOD		0.21023	ug/m^3	R-566	419097.54	3753073.99	111.39	0.00	111.39	
PERIOD		0.21117	ug/m^3	R-567	419097.54	3753093.99	110.81	0.00	110.81	
PERIOD		0.21290	ug/m^3	R-568	419097.54	3753113.99	110.02	0.00	110.02	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.21509	ug/m^3	R-569	419097.54	3753133.99	109.24	0.00	109.24	
PERIOD		0.21770	ug/m^3	R-570	419097.54	3753153.99	108.49	0.00	108.49	
PERIOD		0.21898	ug/m^3	R-571	419097.54	3753173.99	108.38	0.00	108.38	
PERIOD		0.12942	ug/m^3	R-572	418760.41	3752501.60	104.26	0.00	104.26	
PERIOD		0.14151	ug/m^3	R-573	418760.41	3752521.60	104.21	0.00	104.21	
PERIOD		0.15534	ug/m^3	R-574	418760.41	3752541.60	103.99	0.00	103.99	
PERIOD		0.17124	ug/m^3	R-575	418760.41	3752561.60	103.42	0.00	103.42	
PERIOD		0.18959	ug/m^3	R-576	418760.41	3752581.60	102.36	0.00	102.36	
PERIOD		0.12843	ug/m^3	R-577	418780.41	3752501.60	104.33	0.00	104.33	
PERIOD		0.14017	ug/m^3	R-578	418780.41	3752521.60	104.38	0.00	104.38	
PERIOD		0.15356	ug/m^3	R-579	418780.41	3752541.60	104.31	0.00	104.31	
PERIOD		0.16889	ug/m^3	R-580	418780.41	3752561.60	103.78	0.00	103.78	
PERIOD		0.18651	ug/m^3	R-581	418780.41	3752581.60	102.82	0.00	102.82	
PERIOD		0.12711	ug/m^3	R-582	418800.41	3752501.60	104.32	0.00	104.32	
PERIOD		0.13846	ug/m^3	R-583	418800.41	3752521.60	104.43	0.00	104.43	
PERIOD		0.15134	ug/m^3	R-584	418800.41	3752541.60	104.45	0.00	104.45	
PERIOD		0.16602	ug/m^3	R-585	418800.41	3752561.60	104.01	0.00	104.01	
PERIOD		0.18283	ug/m^3	R-586	418800.41	3752581.60	103.22	0.00	103.22	
PERIOD		0.12549	ug/m^3	R-587	418820.41	3752501.60	104.38	0.00	104.38	
PERIOD		0.13640	ug/m^3	R-588	418820.41	3752521.60	104.50	0.00	104.50	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.14873	ug/m^3	R-589	418820.41	3752541.60	104.55	0.00	104.55	
PERIOD		0.16272	ug/m^3	R-590	418820.41	3752561.60	104.23	0.00	104.23	
PERIOD		0.17866	ug/m^3	R-591	418820.41	3752581.60	103.61	0.00	103.61	
PERIOD		0.12359	ug/m^3	R-592	418840.41	3752501.60	104.64	0.00	104.64	
PERIOD		0.13404	ug/m^3	R-593	418840.41	3752521.60	104.76	0.00	104.76	
PERIOD		0.14578	ug/m^3	R-594	418840.41	3752541.60	104.85	0.00	104.85	
PERIOD		0.15905	ug/m^3	R-595	418840.41	3752561.60	104.60	0.00	104.60	
PERIOD		0.17408	ug/m^3	R-596	418840.41	3752581.60	104.09	0.00	104.09	
PERIOD		0.12146	ug/m^3	R-597	418860.41	3752501.60	104.83	0.00	104.83	
PERIOD		0.13141	ug/m^3	R-598	418860.41	3752521.60	104.95	0.00	104.95	
PERIOD		0.14255	ug/m^3	R-599	418860.41	3752541.60	105.06	0.00	105.06	
PERIOD		0.15507	ug/m^3	R-600	418860.41	3752561.60	104.86	0.00	104.86	
PERIOD		0.16917	ug/m^3	R-601	418860.41	3752581.60	104.48	0.00	104.48	
PERIOD		0.11911	ug/m^3	R-602	418880.41	3752501.60	104.88	0.00	104.88	
PERIOD		0.12855	ug/m^3	R-603	418880.41	3752521.60	105.02	0.00	105.02	
PERIOD		0.13908	ug/m^3	R-604	418880.41	3752541.60	105.16	0.00	105.16	
PERIOD		0.15084	ug/m^3	R-605	418880.41	3752561.60	105.06	0.00	105.06	
PERIOD		0.16401	ug/m^3	R-606	418880.41	3752581.60	104.86	0.00	104.86	
PERIOD		0.11658	ug/m^3	R-607	418900.41	3752501.60	104.94	0.00	104.94	
PERIOD		0.12552	ug/m^3	R-608	418900.41	3752521.60	105.10	0.00	105.10	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.13542	ug/m^3	R-609	418900.41	3752541.60	105.27	0.00	105.27	
PERIOD		0.14643	ug/m^3	R-610	418900.41	3752561.60	105.28	0.00	105.28	
PERIOD		0.15868	ug/m^3	R-611	418900.41	3752581.60	105.25	0.00	105.25	
PERIOD		0.11391	ug/m^3	R-612	418920.41	3752501.60	105.08	0.00	105.08	
PERIOD		0.12233	ug/m^3	R-613	418920.41	3752521.60	105.24	0.00	105.24	
PERIOD		0.13162	ug/m^3	R-614	418920.41	3752541.60	105.42	0.00	105.42	
PERIOD		0.14189	ug/m^3	R-615	418920.41	3752561.60	105.52	0.00	105.52	
PERIOD		0.15324	ug/m^3	R-616	418920.41	3752581.60	105.67	0.00	105.67	
PERIOD		0.11112	ug/m^3	R-617	418940.41	3752501.60	105.21	0.00	110.72	
PERIOD		0.11904	ug/m^3	R-618	418940.41	3752521.60	105.32	0.00	105.32	
PERIOD		0.12773	ug/m^3	R-619	418940.41	3752541.60	105.48	0.00	105.48	
PERIOD		0.13727	ug/m^3	R-620	418940.41	3752561.60	105.71	0.00	105.71	
PERIOD		0.14776	ug/m^3	R-621	418940.41	3752581.60	106.07	0.00	106.07	
PERIOD		0.13685	ug/m^3	W-001	418670.13	3752514.19	101.12	0.00	101.12	
PERIOD		0.15088	ug/m^3	W-002	418670.13	3752534.19	101.09	0.00	101.09	
PERIOD		0.16717	ug/m^3	W-003	418670.13	3752554.19	100.71	0.00	100.71	
PERIOD		0.18620	ug/m^3	W-004	418670.13	3752574.19	100.03	0.00	100.03	
PERIOD		0.13765	ug/m^3	W-005	418690.13	3752514.19	101.93	0.00	101.93	
PERIOD		0.15166	ug/m^3	W-006	418690.13	3752534.19	102.02	0.00	102.02	
PERIOD		0.16790	ug/m^3	W-007	418690.13	3752554.19	101.75	0.00	101.75	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.18683	ug/m^3	W-008	418690.13	3752574.19	101.11	0.00	101.11	
PERIOD		0.13797	ug/m^3	W-009	418710.13	3752514.19	102.38	0.00	102.38	
PERIOD		0.15183	ug/m^3	W-010	418710.13	3752534.19	102.36	0.00	102.36	
PERIOD		0.16787	ug/m^3	W-011	418710.13	3752554.19	102.09	0.00	102.09	
PERIOD		0.18653	ug/m^3	W-012	418710.13	3752574.19	101.52	0.00	101.52	
PERIOD		0.11277	ug/m^3	W-013	418598.52	3752483.46	95.67	0.00	96.95	
PERIOD		0.13402	ug/m^3	W-014	418609.32	3752518.47	96.86	0.00	96.86	
PERIOD		0.14998	ug/m^3	W-015	418594.64	3752543.74	96.85	0.00	96.85	
PERIOD		0.07792	ug/m^3	W-016	418456.33	3752435.62	93.39	0.00	93.39	
PERIOD		0.08407	ug/m^3	W-017	418456.33	3752455.62	94.93	0.00	94.93	
PERIOD		0.08001	ug/m^3	W-018	418476.33	3752435.62	92.37	0.00	92.37	
PERIOD		0.08646	ug/m^3	W-019	418476.33	3752455.62	94.04	0.00	94.04	
PERIOD		0.09374	ug/m^3	W-020	418476.33	3752475.62	95.56	0.00	95.56	
PERIOD		0.10197	ug/m^3	W-021	418476.33	3752495.62	96.62	0.00	96.62	
PERIOD		0.08881	ug/m^3	W-022	418496.33	3752455.62	93.19	0.00	93.19	
PERIOD		0.09648	ug/m^3	W-023	418496.33	3752475.62	95.14	0.00	95.14	
PERIOD		0.10512	ug/m^3	W-024	418496.33	3752495.62	96.41	0.00	96.41	
PERIOD		0.09905	ug/m^3	W-025	418516.33	3752475.62	94.16	0.00	95.51	
PERIOD		0.10813	ug/m^3	W-026	418516.33	3752495.62	95.83	0.00	95.83	
PERIOD		0.11091	ug/m^3	W-027	418536.33	3752495.62	94.77	0.00	96.78	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.12934	ug/m^3	W-028	418507.28	3752536.85	97.79	0.00	97.79	
PERIOD		0.13161	ug/m^3	W-029	418522.23	3752535.74	97.58	0.00	97.58	
PERIOD		0.15914	ug/m^3	W-030	418507.83	3752576.74	98.19	0.00	98.19	
PERIOD		0.16405	ug/m^3	W-031	418524.45	3752577.30	97.87	0.00	97.87	
PERIOD		0.19020	ug/m^3	W-032	418595.92	3752586.72	96.89	0.00	96.89	
PERIOD		0.17604	ug/m^3	W-033	418591.77	3752573.97	96.97	0.00	96.97	
PERIOD		0.17803	ug/m^3	W-034	418604.79	3752573.70	96.95	0.00	96.95	
PERIOD		0.14146	ug/m^3	W-035	418592.88	3752532.70	96.43	0.00	96.43	
PERIOD		0.12363	ug/m^3	W-036	418607.84	3752501.67	96.80	0.00	96.80	
PERIOD		0.32319	ug/m^3	W-037	418573.04	3752668.65	98.09	0.00	98.09	
PERIOD		0.32568	ug/m^3	W-038	418583.02	3752668.10	97.99	0.00	97.99	
PERIOD		0.28795	ug/m^3	W-039	418573.87	3752653.42	97.89	0.00	97.89	
PERIOD		0.29630	ug/m^3	W-040	418585.79	3752655.35	97.81	0.00	97.81	
PERIOD		0.25171	ug/m^3	W-041	418522.35	3752645.94	98.72	0.00	98.72	
PERIOD		0.26500	ug/m^3	W-042	418541.74	3752648.43	98.40	0.00	98.40	
PERIOD		0.28725	ug/m^3	W-043	418525.39	3752663.11	98.68	0.00	98.68	
PERIOD		0.29335	ug/m^3	W-044	418538.41	3752662.83	98.52	0.00	98.52	
PERIOD		0.46906	ug/m^3	W-045	418563.62	3752712.70	98.93	0.00	98.93	
PERIOD		0.48374	ug/m^3	W-046	418578.03	3752714.08	98.86	0.00	98.86	
PERIOD		0.55962	ug/m^3	W-047	418563.07	3752730.15	99.20	0.00	99.20	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.56649	ug/m^3	W-048	418579.42	3752729.60	99.06	0.00	99.06	
PERIOD		0.21138	ug/m^3	W-049	418426.49	3752650.09	100.45	0.00	100.45	
PERIOD		0.22016	ug/m^3	W-050	418446.99	3752649.26	100.16	0.00	100.16	
PERIOD		0.21773	ug/m^3	W-051	418396.03	3752664.30	100.70	0.00	100.70	
PERIOD		0.24196	ug/m^3	W-052	418394.64	3752679.26	100.54	0.00	100.54	
PERIOD		0.38789	ug/m^3	W-053	418385.22	3752737.44	100.29	0.00	100.29	
PERIOD		0.40672	ug/m^3	W-054	418398.52	3752738.27	100.39	0.00	100.39	
PERIOD		0.46059	ug/m^3	W-055	418384.95	3752754.62	100.26	0.00	100.26	
PERIOD		0.46324	ug/m^3	W-056	418396.58	3752751.57	100.41	0.00	100.41	
PERIOD		0.41249	ug/m^3	W-057	418429.83	3752730.24	100.38	0.00	100.38	
PERIOD		0.44146	ug/m^3	W-058	418451.71	3752730.52	100.36	0.00	100.36	
PERIOD		0.51695	ug/m^3	W-059	418429.27	3752751.57	100.62	0.00	100.62	
PERIOD		0.55657	ug/m^3	W-060	418452.27	3752751.29	100.68	0.00	100.68	
PERIOD		0.64428	ug/m^3	W-061	418428.72	3752770.13	100.76	0.00	100.76	
PERIOD		0.70005	ug/m^3	W-062	418453.38	3752769.30	100.87	0.00	100.87	
PERIOD		0.98145	ug/m^3	W-063	418431.21	3752799.22	100.90	0.00	100.90	
PERIOD		1.08906	ug/m^3	W-064	418456.70	3752798.11	101.02	0.00	101.02	
PERIOD		1.71160	ug/m^3	W-065	418488.56	3752815.77	101.09	0.00	101.09	
PERIOD		2.69902	ug/m^3	W-066	418488.56	3752835.77	101.21	0.00	101.21	
PERIOD		4.91833	ug/m^3	W-067	418488.56	3752855.77	101.58	0.00	101.58	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		1.81039	ug/m^3	W-068	418508.56	3752815.77	101.11	0.00	101.11	
PERIOD		2.84716	ug/m^3	W-069	418508.56	3752835.77	101.15	0.00	101.15	
PERIOD		5.13594	ug/m^3	W-070	418508.56	3752855.77	101.31	0.00	101.31	
PERIOD		1.87448	ug/m^3	W-071	418528.56	3752815.77	100.84	0.00	100.84	
PERIOD		2.93603	ug/m^3	W-072	418528.56	3752835.77	100.86	0.00	100.86	
PERIOD		5.27391	ug/m^3	W-073	418528.56	3752855.77	101.03	0.00	101.03	
PERIOD		1.90898	ug/m^3	W-074	418548.56	3752815.77	100.52	0.00	100.52	
PERIOD		2.97832	ug/m^3	W-075	418548.56	3752835.77	100.57	0.00	100.57	
PERIOD		5.34311	ug/m^3	W-076	418548.56	3752855.77	100.78	0.00	100.78	
PERIOD		1.91623	ug/m^3	W-077	418568.56	3752815.77	100.21	0.00	100.21	
PERIOD		2.97599	ug/m^3	W-078	418568.56	3752835.77	100.31	0.00	100.31	
PERIOD		5.34093	ug/m^3	W-079	418568.56	3752855.77	100.59	0.00	100.59	
PERIOD		1.89840	ug/m^3	W-080	418588.56	3752815.77	99.96	0.00	99.96	
PERIOD		2.92799	ug/m^3	W-081	418588.56	3752835.77	100.09	0.00	100.09	
PERIOD		5.23714	ug/m^3	W-082	418588.56	3752855.77	100.41	0.00	100.41	
PERIOD		1.85693	ug/m^3	W-083	418608.56	3752815.77	99.78	0.00	99.78	
PERIOD		2.82724	ug/m^3	W-084	418608.56	3752835.77	99.85	0.00	99.85	
PERIOD		5.00551	ug/m^3	W-085	418608.56	3752855.77	100.08	0.00	100.08	
PERIOD		2.67725	ug/m^3	W-086	418628.56	3752835.77	99.57	0.00	99.57	
PERIOD		4.65815	ug/m^3	W-087	418628.56	3752855.77	99.79	0.00	99.79	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		4.16260	ug/m^3	W-088	418648.56	3752855.77	99.24	0.00	99.24	
PERIOD		0.58015	ug/m^3	W-089	418337.32	3753110.04	103.33	0.00	103.33	
PERIOD		0.65138	ug/m^3	W-090	418348.21	3753104.77	103.36	0.00	103.36	
PERIOD		0.26197	ug/m^3	W-091	418123.53	3753069.93	108.25	0.00	108.25	
PERIOD		0.24300	ug/m^3	W-092	418123.53	3753089.93	107.33	0.00	107.33	
PERIOD		0.30590	ug/m^3	W-093	418143.53	3753049.93	107.74	0.00	107.74	
PERIOD		0.28375	ug/m^3	W-094	418143.53	3753069.93	106.89	0.00	106.89	
PERIOD		0.26119	ug/m^3	W-095	418143.53	3753089.93	105.89	0.00	105.89	
PERIOD		0.35795	ug/m^3	W-096	418163.53	3753029.93	106.99	0.00	106.99	
PERIOD		0.33328	ug/m^3	W-097	418163.53	3753049.93	106.51	0.00	106.51	
PERIOD		0.30748	ug/m^3	W-098	418163.53	3753069.93	105.78	0.00	105.78	
PERIOD		0.28158	ug/m^3	W-099	418163.53	3753089.93	104.83	0.00	104.83	
PERIOD		0.25646	ug/m^3	W-100	418163.53	3753109.93	104.26	0.00	104.26	
PERIOD		0.39349	ug/m^3	W-101	418183.53	3753029.93	105.33	0.00	105.33	
PERIOD		0.36451	ug/m^3	W-102	418183.53	3753049.93	105.20	0.00	105.20	
PERIOD		0.33448	ug/m^3	W-103	418183.53	3753069.93	104.85	0.00	104.85	
PERIOD		0.30464	ug/m^3	W-104	418183.53	3753089.93	104.11	0.00	104.11	
PERIOD		0.40054	ug/m^3	W-105	418203.53	3753049.93	104.02	0.00	104.02	
PERIOD		0.36543	ug/m^3	W-106	418203.53	3753069.93	103.95	0.00	103.95	
PERIOD		0.26812	ug/m^3	W-107	418124.99	3752805.35	103.92	0.00	103.92	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.27636	ug/m^3	W-108	418136.07	3752803.07	103.83	0.00	103.83	
PERIOD		0.17525	ug/m^3	W-109	418132.49	3752711.46	103.01	0.00	103.01	
PERIOD		0.16092	ug/m^3	W-110	418125.32	3752698.09	103.13	0.00	103.13	
PERIOD		0.16904	ug/m^3	W-111	418102.82	3752717.33	102.84	0.00	102.84	
PERIOD		0.15486	ug/m^3	W-112	418095.98	3752702.33	103.01	0.00	103.01	
PERIOD		0.43076	ug/m^3	W-113	418219.21	3752825.23	103.14	0.00	103.14	
PERIOD		0.41446	ug/m^3	W-114	418222.14	3752815.45	103.03	0.00	103.03	
PERIOD		0.21494	ug/m^3	W-115	418349.45	3753288.96	106.48	0.00	106.48	
PERIOD		0.22277	ug/m^3	W-116	418360.53	3753293.43	106.89	0.00	106.89	
PERIOD		0.23959	ug/m^3	W-117	418357.70	3753274.82	106.56	0.00	106.56	
PERIOD		0.24889	ug/m^3	W-118	418369.01	3753279.54	106.89	0.00	106.89	
PERIOD		0.13608	ug/m^3	W-119	417874.79	3753026.77	103.46	0.00	103.46	
PERIOD		0.13168	ug/m^3	W-120	417874.79	3753046.77	103.42	0.00	103.42	
PERIOD		0.10417	ug/m^3	W-121	417874.79	3753146.77	104.02	0.00	104.02	
PERIOD		0.09834	ug/m^3	W-122	417874.79	3753166.77	104.39	0.00	104.39	
PERIOD		0.09261	ug/m^3	W-123	417874.79	3753186.77	104.95	0.00	104.95	
PERIOD		0.08704	ug/m^3	W-124	417874.79	3753206.77	105.48	0.00	108.26	
PERIOD		0.08168	ug/m^3	W-125	417874.79	3753226.77	106.07	0.00	108.26	
PERIOD		0.14740	ug/m^3	W-126	417894.79	3753006.77	103.68	0.00	103.68	
PERIOD		0.14326	ug/m^3	W-127	417894.79	3753026.77	103.64	0.00	103.64	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.13843	ug/m^3	W-128	417894.79	3753046.77	103.55	0.00	103.55	
PERIOD		0.13303	ug/m^3	W-129	417894.79	3753066.77	103.44	0.00	103.44	
PERIOD		0.10849	ug/m^3	W-130	417894.79	3753146.77	104.21	0.00	104.21	
PERIOD		0.10220	ug/m^3	W-131	417894.79	3753166.77	104.76	0.00	104.76	
PERIOD		0.09604	ug/m^3	W-132	417894.79	3753186.77	106.05	0.00	106.05	
PERIOD		0.09007	ug/m^3	W-133	417894.79	3753206.77	107.20	0.00	107.20	
PERIOD		0.08412	ug/m^3	W-134	417894.79	3753226.77	108.17	0.00	108.17	
PERIOD		0.15933	ug/m^3	W-135	417914.79	3752986.77	103.71	0.00	103.71	
PERIOD		0.15566	ug/m^3	W-136	417914.79	3753006.77	103.86	0.00	103.86	
PERIOD		0.15109	ug/m^3	W-137	417914.79	3753026.77	103.71	0.00	103.71	
PERIOD		0.14577	ug/m^3	W-138	417914.79	3753046.77	103.55	0.00	103.55	
PERIOD		0.13984	ug/m^3	W-139	417914.79	3753066.77	103.46	0.00	103.46	
PERIOD		0.13347	ug/m^3	W-140	417914.79	3753086.77	103.51	0.00	103.51	
PERIOD		0.11311	ug/m^3	W-141	417914.79	3753146.77	104.54	0.00	104.54	
PERIOD		0.10632	ug/m^3	W-142	417914.79	3753166.77	105.49	0.00	105.49	
PERIOD		0.09968	ug/m^3	W-143	417914.79	3753186.77	106.95	0.00	106.95	
PERIOD		0.09310	ug/m^3	W-144	417914.79	3753206.77	108.02	0.00	108.02	
PERIOD		0.16880	ug/m^3	W-145	417934.79	3752986.77	105.19	0.00	105.19	
PERIOD		0.16473	ug/m^3	W-146	417934.79	3753006.77	105.12	0.00	105.12	
PERIOD		0.15968	ug/m^3	W-147	417934.79	3753026.77	104.80	0.00	104.80	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.15380	ug/m^3	W-148	417934.79	3753046.77	104.40	0.00	104.40	
PERIOD		0.14726	ug/m^3	W-149	417934.79	3753066.77	103.93	0.00	103.93	
PERIOD		0.14026	ug/m^3	W-150	417934.79	3753086.77	103.75	0.00	103.75	
PERIOD		0.13295	ug/m^3	W-151	417934.79	3753106.77	103.71	0.00	103.71	
PERIOD		0.11805	ug/m^3	W-152	417934.79	3753146.77	104.73	0.00	104.73	
PERIOD		0.11071	ug/m^3	W-153	417934.79	3753166.77	105.94	0.00	105.94	
PERIOD		0.10356	ug/m^3	W-154	417934.79	3753186.77	107.44	0.00	107.44	
PERIOD		0.09631	ug/m^3	W-155	417934.79	3753206.77	108.39	0.00	108.39	
PERIOD		0.17467	ug/m^3	W-156	417954.79	3753006.77	106.77	0.00	106.77	
PERIOD		0.16907	ug/m^3	W-157	417954.79	3753026.77	106.20	0.00	106.20	
PERIOD		0.16257	ug/m^3	W-158	417954.79	3753046.77	105.51	0.00	105.51	
PERIOD		0.15535	ug/m^3	W-159	417954.79	3753066.77	104.66	0.00	104.66	
PERIOD		0.14763	ug/m^3	W-160	417954.79	3753086.77	104.18	0.00	104.18	
PERIOD		0.13961	ug/m^3	W-161	417954.79	3753106.77	103.91	0.00	103.91	
PERIOD		0.13147	ug/m^3	W-162	417954.79	3753126.77	103.96	0.00	103.96	
PERIOD		0.12336	ug/m^3	W-163	417954.79	3753146.77	104.84	0.00	104.84	
PERIOD		0.11541	ug/m^3	W-164	417954.79	3753166.77	106.08	0.00	106.08	
PERIOD		0.10771	ug/m^3	W-165	417954.79	3753186.77	107.54	0.00	107.54	
PERIOD		0.09988	ug/m^3	W-166	417954.79	3753206.77	108.46	0.00	108.46	
PERIOD		0.17937	ug/m^3	W-167	417974.79	3753026.77	107.49	0.00	107.49	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.17216	ug/m^3	W-168	417974.79	3753046.77	106.58	0.00	106.58	
PERIOD		0.16418	ug/m^3	W-169	417974.79	3753066.77	105.54	0.00	105.54	
PERIOD		0.15566	ug/m^3	W-170	417974.79	3753086.77	104.82	0.00	104.82	
PERIOD		0.14683	ug/m^3	W-171	417974.79	3753106.77	104.32	0.00	104.32	
PERIOD		0.13791	ug/m^3	W-172	417974.79	3753126.77	104.25	0.00	104.25	
PERIOD		0.12907	ug/m^3	W-173	417974.79	3753146.77	104.94	0.00	104.94	
PERIOD		0.12044	ug/m^3	W-174	417974.79	3753166.77	105.98	0.00	105.98	
PERIOD		0.11213	ug/m^3	W-175	417974.79	3753186.77	107.37	0.00	107.37	
PERIOD		0.10377	ug/m^3	W-176	417974.79	3753206.77	108.37	0.00	108.37	
PERIOD		0.09599	ug/m^3	W-177	417974.79	3753226.77	109.09	0.00	109.09	
PERIOD		0.08910	ug/m^3	W-178	417974.79	3753246.77	109.16	0.00	109.16	
PERIOD		0.08278	ug/m^3	W-179	417974.79	3753266.77	109.16	0.00	109.16	
PERIOD		0.07700	ug/m^3	W-180	417974.79	3753286.77	109.12	0.00	109.12	
PERIOD		0.18269	ug/m^3	W-181	417994.79	3753046.77	107.54	0.00	107.54	
PERIOD		0.17383	ug/m^3	W-182	417994.79	3753066.77	106.43	0.00	106.43	
PERIOD		0.16441	ug/m^3	W-183	417994.79	3753086.77	105.63	0.00	105.63	
PERIOD		0.15468	ug/m^3	W-184	417994.79	3753106.77	105.04	0.00	105.04	
PERIOD		0.14489	ug/m^3	W-185	417994.79	3753126.77	104.83	0.00	104.83	
PERIOD		0.13523	ug/m^3	W-186	417994.79	3753146.77	105.24	0.00	105.24	
PERIOD		0.12585	ug/m^3	W-187	417994.79	3753166.77	106.01	0.00	106.01	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.11686	ug/m^3	W-188	417994.79	3753186.77	107.31	0.00	107.31	
PERIOD		0.10788	ug/m^3	W-189	417994.79	3753206.77	108.35	0.00	108.35	
PERIOD		0.09951	ug/m^3	W-190	417994.79	3753226.77	109.15	0.00	109.15	
PERIOD		0.09218	ug/m^3	W-191	417994.79	3753246.77	109.24	0.00	109.24	
PERIOD		0.08551	ug/m^3	W-192	417994.79	3753266.77	109.21	0.00	109.21	
PERIOD		0.07945	ug/m^3	W-193	417994.79	3753286.77	109.12	0.00	109.12	
PERIOD		0.19409	ug/m^3	W-194	418014.79	3753046.77	108.10	0.00	108.10	
PERIOD		0.18443	ug/m^3	W-195	418014.79	3753066.77	107.09	0.00	107.09	
PERIOD		0.17397	ug/m^3	W-196	418014.79	3753086.77	106.41	0.00	106.41	
PERIOD		0.16323	ug/m^3	W-197	418014.79	3753106.77	105.95	0.00	105.95	
PERIOD		0.15245	ug/m^3	W-198	418014.79	3753126.77	105.82	0.00	105.82	
PERIOD		0.14187	ug/m^3	W-199	418014.79	3753146.77	106.03	0.00	106.03	
PERIOD		0.13166	ug/m^3	W-200	418014.79	3753166.77	106.50	0.00	106.50	
PERIOD		0.12194	ug/m^3	W-201	418014.79	3753186.77	107.49	0.00	107.49	
PERIOD		0.11223	ug/m^3	W-202	418014.79	3753206.77	108.39	0.00	108.39	
PERIOD		0.10330	ug/m^3	W-203	418014.79	3753226.77	109.14	0.00	109.14	
PERIOD		0.09553	ug/m^3	W-204	418014.79	3753246.77	109.19	0.00	109.19	
PERIOD		0.08847	ug/m^3	W-205	418014.79	3753266.77	109.16	0.00	109.16	
PERIOD		0.08209	ug/m^3	W-206	418014.79	3753286.77	109.07	0.00	109.07	
PERIOD		0.19603	ug/m^3	W-207	418034.79	3753066.77	107.75	0.00	107.75	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.18445	ug/m^3	W-208	418034.79	3753086.77	107.27	0.00	107.27	
PERIOD		0.17253	ug/m^3	W-209	418034.79	3753106.77	106.97	0.00	106.97	
PERIOD		0.16064	ug/m^3	W-210	418034.79	3753126.77	106.97	0.00	106.97	
PERIOD		0.14904	ug/m^3	W-211	418034.79	3753146.77	107.08	0.00	107.08	
PERIOD		0.13791	ug/m^3	W-212	418034.79	3753166.77	107.33	0.00	107.33	
PERIOD		0.12712	ug/m^3	W-213	418034.79	3753186.77	107.92	0.00	107.92	
PERIOD		0.11680	ug/m^3	W-214	418034.79	3753206.77	108.54	0.00	108.54	
PERIOD		0.10740	ug/m^3	W-215	418034.79	3753226.77	109.08	0.00	109.08	
PERIOD		0.09917	ug/m^3	W-216	418034.79	3753246.77	109.06	0.00	109.06	
PERIOD		0.09168	ug/m^3	W-217	418034.79	3753266.77	109.06	0.00	109.06	
PERIOD		0.08491	ug/m^3	W-218	418034.79	3753286.77	109.06	0.00	109.06	
PERIOD		0.20845	ug/m^3	W-219	418054.79	3753066.77	108.39	0.00	108.39	
PERIOD		0.19553	ug/m^3	W-220	418054.79	3753086.77	108.14	0.00	108.14	
PERIOD		0.18235	ug/m^3	W-221	418054.79	3753106.77	108.01	0.00	108.01	
PERIOD		0.16912	ug/m^3	W-222	418054.79	3753126.77	108.07	0.00	108.07	
PERIOD		0.15630	ug/m^3	W-223	418054.79	3753146.77	108.14	0.00	108.14	
PERIOD		0.14404	ug/m^3	W-224	418054.79	3753166.77	108.25	0.00	108.25	
PERIOD		0.13246	ug/m^3	W-225	418054.79	3753186.77	108.46	0.00	108.46	
PERIOD		0.12168	ug/m^3	W-226	418054.79	3753206.77	108.73	0.00	108.73	
PERIOD		0.11183	ug/m^3	W-227	418054.79	3753226.77	108.98	0.00	108.98	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.10310	ug/m^3	W-228	418054.79	3753246.77	108.91	0.00	108.91	
PERIOD		0.09514	ug/m^3	W-229	418054.79	3753266.77	108.95	0.00	108.95	
PERIOD		0.08794	ug/m^3	W-230	418054.79	3753286.77	109.07	0.00	109.07	
PERIOD		0.22223	ug/m^3	W-231	418074.79	3753066.77	108.93	0.00	108.93	
PERIOD		0.20747	ug/m^3	W-232	418074.79	3753086.77	108.90	0.00	108.90	
PERIOD		0.19260	ug/m^3	W-233	418074.79	3753106.77	108.88	0.00	108.88	
PERIOD		0.17796	ug/m^3	W-234	418074.79	3753126.77	108.90	0.00	108.90	
PERIOD		0.16391	ug/m^3	W-235	418074.79	3753146.77	108.90	0.00	108.90	
PERIOD		0.15065	ug/m^3	W-236	418074.79	3753166.77	108.89	0.00	108.89	
PERIOD		0.13832	ug/m^3	W-237	418074.79	3753186.77	108.87	0.00	108.87	
PERIOD		0.12698	ug/m^3	W-238	418074.79	3753206.77	108.85	0.00	108.85	
PERIOD		0.11664	ug/m^3	W-239	418074.79	3753226.77	108.84	0.00	108.84	
PERIOD		0.22170	ug/m^3	W-240	418094.79	3753086.77	108.65	0.00	108.65	
PERIOD		0.20534	ug/m^3	W-241	418094.79	3753106.77	108.39	0.00	108.39	
PERIOD		0.18929	ug/m^3	W-242	418094.79	3753126.77	108.23	0.00	108.23	
PERIOD		0.17399	ug/m^3	W-243	418094.79	3753146.77	108.07	0.00	108.07	
PERIOD		0.15953	ug/m^3	W-244	418094.79	3753166.77	107.99	0.00	107.99	
PERIOD		0.14588	ug/m^3	W-245	418094.79	3753186.77	108.14	0.00	108.14	
PERIOD		0.13318	ug/m^3	W-246	418094.79	3753206.77	108.50	0.00	108.50	
PERIOD		0.12173	ug/m^3	W-247	418094.79	3753226.77	108.86	0.00	108.86	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.23830	ug/m^3	W-248	418114.79	3753086.77	107.88	0.00	107.88	
PERIOD		0.22001	ug/m^3	W-249	418114.79	3753106.77	107.31	0.00	107.31	
PERIOD		0.20192	ug/m^3	W-250	418114.79	3753126.77	107.00	0.00	107.00	
PERIOD		0.18476	ug/m^3	W-251	418114.79	3753146.77	106.84	0.00	106.84	
PERIOD		0.16875	ug/m^3	W-252	418114.79	3753166.77	106.91	0.00	106.91	
PERIOD		0.15404	ug/m^3	W-253	418114.79	3753186.77	107.50	0.00	107.50	
PERIOD		0.13991	ug/m^3	W-254	418114.79	3753206.77	108.22	0.00	108.22	
PERIOD		0.23529	ug/m^3	W-255	418134.79	3753106.77	105.94	0.00	105.94	
PERIOD		0.21504	ug/m^3	W-256	418134.79	3753126.77	105.59	0.00	105.59	
PERIOD		0.19598	ug/m^3	W-257	418134.79	3753146.77	105.57	0.00	105.57	
PERIOD		0.17837	ug/m^3	W-258	418134.79	3753166.77	105.87	0.00	105.87	
PERIOD		0.16228	ug/m^3	W-259	418134.79	3753186.77	106.85	0.00	106.85	
PERIOD		0.14747	ug/m^3	W-260	418134.79	3753206.77	107.85	0.00	107.85	
PERIOD		0.13352	ug/m^3	W-261	418134.79	3753226.77	108.70	0.00	108.70	
PERIOD		0.22954	ug/m^3	W-262	418154.79	3753126.77	104.35	0.00	104.35	
PERIOD		0.20834	ug/m^3	W-263	418154.79	3753146.77	104.52	0.00	104.52	
PERIOD		0.18893	ug/m^3	W-264	418154.79	3753166.77	105.03	0.00	105.03	
PERIOD		0.17137	ug/m^3	W-265	418154.79	3753186.77	106.13	0.00	106.13	
PERIOD		0.15565	ug/m^3	W-266	418154.79	3753206.77	107.28	0.00	107.28	
PERIOD		0.14077	ug/m^3	W-267	418154.79	3753226.77	108.29	0.00	108.29	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.12812	ug/m^3	W-268	418154.79	3753246.77	108.71	0.00	108.71	
PERIOD		0.20063	ug/m^3	W-269	418174.79	3753166.77	104.40	0.00	104.40	
PERIOD		0.18143	ug/m^3	W-270	418174.79	3753186.77	105.40	0.00	105.40	
PERIOD		0.16438	ug/m^3	W-271	418174.79	3753206.77	106.52	0.00	106.52	
PERIOD		0.14940	ug/m^3	W-272	418174.79	3753226.77	107.57	0.00	107.57	
PERIOD		0.13544	ug/m^3	W-273	418174.79	3753246.77	108.19	0.00	108.19	
PERIOD		0.12362	ug/m^3	W-274	418174.79	3753266.77	108.56	0.00	108.56	
PERIOD		0.19264	ug/m^3	W-275	418194.79	3753186.77	104.78	0.00	104.78	
PERIOD		0.17414	ug/m^3	W-276	418194.79	3753206.77	105.69	0.00	105.69	
PERIOD		0.15797	ug/m^3	W-277	418194.79	3753226.77	106.56	0.00	106.56	
PERIOD		0.14392	ug/m^3	W-278	418194.79	3753246.77	107.12	0.00	107.12	
PERIOD		0.13173	ug/m^3	W-279	418194.79	3753266.77	107.60	0.00	107.60	
PERIOD		0.18515	ug/m^3	W-280	418214.79	3753206.77	104.81	0.00	104.81	
PERIOD		0.16771	ug/m^3	W-281	418214.79	3753226.77	105.43	0.00	105.43	
PERIOD		0.15264	ug/m^3	W-282	418214.79	3753246.77	105.84	0.00	105.84	
PERIOD		0.13958	ug/m^3	W-283	418214.79	3753266.77	106.24	0.00	106.24	
PERIOD		0.12824	ug/m^3	W-284	418214.79	3753286.77	106.67	0.00	106.67	
PERIOD		0.16259	ug/m^3	W-285	418234.79	3753246.77	104.63	0.00	104.63	
PERIOD		0.14860	ug/m^3	W-286	418234.79	3753266.77	104.83	0.00	104.83	
PERIOD		0.13648	ug/m^3	W-287	418234.79	3753286.77	105.10	0.00	105.10	

Sensitive Receptor Summary

Greenbriar Residential Construction HRA
Brea, CA

Concentration - Source Group: ONSITE

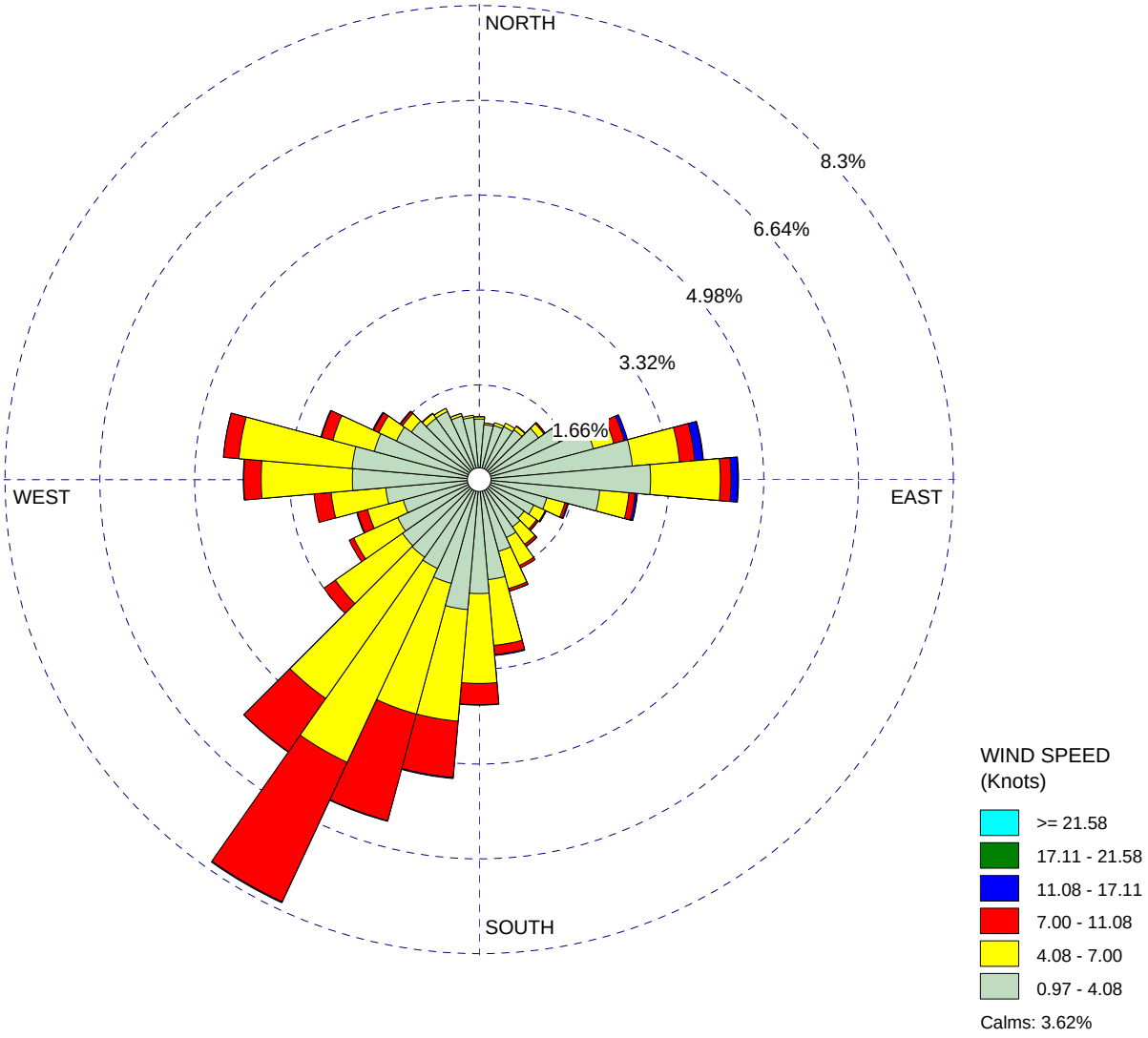
Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.15897	ug/m^3	W-288	418254.79	3753266.77	103.92	0.00	103.92	
PERIOD		0.21380	ug/m^3	W-289	418420.72	3753365.54	109.53	0.00	109.53	
PERIOD		0.23186	ug/m^3	W-290	418437.92	3753366.96	109.56	0.00	109.56	
PERIOD		0.23629	ug/m^3	W-291	418421.90	3753345.52	109.32	0.00	109.32	
PERIOD		0.25683	ug/m^3	W-292	418438.15	3753345.99	109.42	0.00	109.42	
PERIOD		0.28504	ug/m^3	W-293	418495.40	3753383.21	109.79	0.00	109.79	
PERIOD		0.30730	ug/m^3	W-294	418500.82	3753372.85	110.11	0.00	115.28	

WIND ROSE PLOT:

Station #3166

DISPLAY:

Wind Speed
Direction (blowing from)

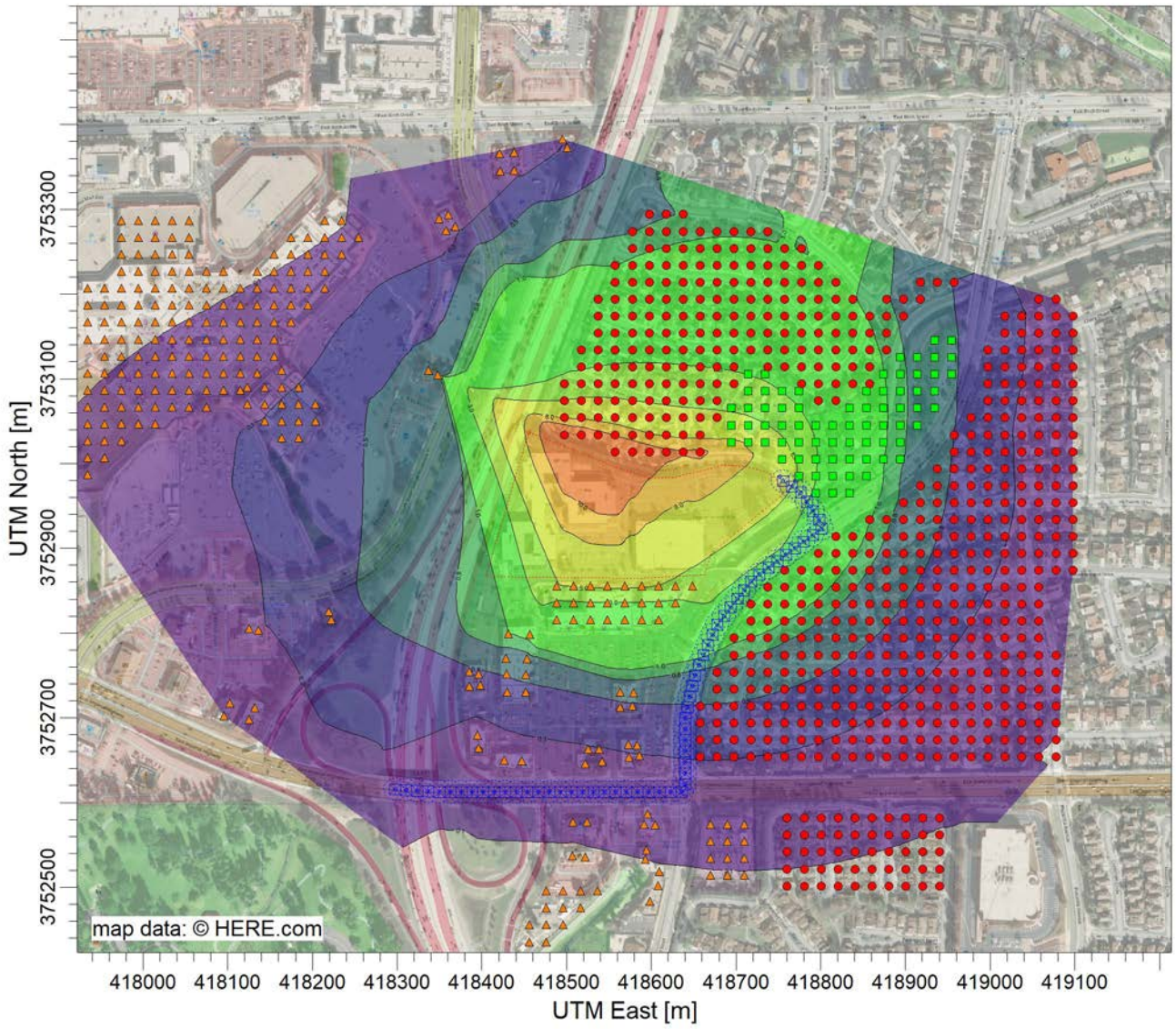


COMMENTS:	DATA PERIOD: **Start Date: 1/1/2012 - 00:00** **End Date: 12/31/2016 - 23:59**	COMPANY NAME:	
		MODELER:	
	CALM WINDS: **3.62%**	TOTAL COUNT: **43471 hrs.**	
	AVG. WIND SPEED: **3.93 Knots**	DATE: **10/9/2024**	PROJECT NO.:

WRPLOT View - Lakes Environmental Software

PROJECT TITLE:

Greenbriar Residential Construction HRA
Brea, CA



PLOT FILE OF PERIOD VALUES AVERAGED ACROSS 0 YEARS FOR SOURCE GROUP: ONSITE ug/m^3

Max: 14.2 [ug/m^3] at (418557.54, 3753013.99)

0.1 0.3 0.5 0.8 1.0 3.0 5.0 8.0 10.0 14.2

COMMENTS:	SOURCES: **2**	COMPANY NAME:	
	RECEPTORS: **3034**	MODELER:	
	OUTPUT TYPE: **Concentration**	SCALE: 1:8,123 0 0.3 km	
	MAX: **14.2 ug/m^3**	DATE: **10/9/2024**	PROJECT NO.:

AERMOD View - Lakes Environmental Software C:\Users\LPark\Documents\BREA-05\AERMOD\BREA-05 Construction HRA.isc

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** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 9/19/2024
** File: C:\!AERMOD\BREA-05\BREA-05 Construction HRA.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE Greenbriar Residential Construction HRA
   TITLETWO Brea, CA
   MODELOPT DFAULT CONC
   AVERTIME PERIOD
   URBANOPT 9700000 LA_County
   POLLUTID OTHER
   RUNORNOT RUN
   ERRORFIL "BREA-05 Construction HRA.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION SITE         AREAPOLY   418455.577  3753037.156
107.120
** DESCRSRC On-site DPM emissions
**
------------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC Haul Route
** PREFIX
** Length of Side = 13.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 7.00
** SZINIT = 3.26
** Nodes = 11
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** 418756.904, 3752976.970, 97.98, 4.15, 6.05
** 418774.381, 3752969.202, 97.71, 4.15, 6.05
** 418803.509, 3752925.186, 96.64, 4.15, 6.05
** 418719.360, 3752863.045, 96.34, 4.15, 6.05
** 418677.286, 3752808.672, 97.24, 4.15, 6.05
** 418652.041, 3752752.357, 96.80, 4.15, 6.05
** 418640.390, 3752703.163, 96.78, 4.15, 6.05
** 418639.743, 3752612.541, 97.01, 4.15, 6.05
** 418345.869, 3752612.541, 97.67, 4.15, 6.05
** 418293.438, 3752615.777, 99.84, 4.15, 6.05
**
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   LOCATION L0000001     VOLUME   418755.331 3752979.329 98.43
   LOCATION L0000002     VOLUME   418766.192 3752972.842 97.98
   LOCATION L0000003     VOLUME   418776.610 3752965.834 97.30
   LOCATION L0000004     VOLUME   418783.784 3752954.993 96.52
   LOCATION L0000005     VOLUME   418790.958 3752944.152 95.84
   LOCATION L0000006     VOLUME   418798.133 3752933.311 96.15
   LOCATION L0000007     VOLUME   418800.889 3752923.251 96.65
   LOCATION L0000008     VOLUME   418790.431 3752915.528 96.68
   LOCATION L0000009     VOLUME   418779.974 3752907.806 96.57
   LOCATION L0000010     VOLUME   418769.516 3752900.083 96.47
   LOCATION L0000011     VOLUME   418759.058 3752892.361 96.50
   LOCATION L0000012     VOLUME   418748.601 3752884.638 96.58
   LOCATION L0000013     VOLUME   418738.143 3752876.916 96.59
   LOCATION L0000014     VOLUME   418727.685 3752869.193 96.42
   LOCATION L0000015     VOLUME   418717.738 3752860.949 96.44
   LOCATION L0000016     VOLUME   418709.782 3752850.667 96.90
   LOCATION L0000017     VOLUME   418701.826 3752840.386 97.10
   LOCATION L0000018     VOLUME   418693.871 3752830.105 97.07
   LOCATION L0000019     VOLUME   418685.915 3752819.823 97.01
   LOCATION L0000020     VOLUME   418677.959 3752809.542 97.21
   LOCATION L0000021     VOLUME   418672.418 3752797.813 97.15
   LOCATION L0000022     VOLUME   418667.100 3752785.951 96.94
   LOCATION L0000023     VOLUME   418661.783 3752774.088 96.80
   LOCATION L0000024     VOLUME   418656.465 3752762.225 96.82
   LOCATION L0000025     VOLUME   418651.538 3752750.230 96.83
   LOCATION L0000026     VOLUME   418648.542 3752737.580 96.83
   LOCATION L0000027     VOLUME   418645.545 3752724.930 96.78
   LOCATION L0000028     VOLUME   418642.549 3752712.280 96.83
   LOCATION L0000029     VOLUME   418640.364 3752699.533 96.83
   LOCATION L0000030     VOLUME   418640.271 3752686.533 96.88
   LOCATION L0000031     VOLUME   418640.178 3752673.533 96.95
   LOCATION L0000032     VOLUME   418640.085 3752660.534 97.01
   LOCATION L0000033     VOLUME   418639.993 3752647.534 97.04
   LOCATION L0000034     VOLUME   418639.900 3752634.534 97.06
   LOCATION L0000035     VOLUME   418639.807 3752621.535 97.06
   LOCATION L0000036     VOLUME   418635.737 3752612.541 96.95
   LOCATION L0000037     VOLUME   418622.737 3752612.541 96.94
   LOCATION L0000038     VOLUME   418609.737 3752612.541 96.95
   LOCATION L0000039     VOLUME   418596.737 3752612.541 97.02
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   LOCATION L0000040     VOLUME   418583.737 3752612.541 97.09
   LOCATION L0000041     VOLUME   418570.737 3752612.541 97.16
   LOCATION L0000042     VOLUME   418557.737 3752612.541 97.23
   LOCATION L0000043     VOLUME   418544.737 3752612.541 97.59
   LOCATION L0000044     VOLUME   418531.737 3752612.541 97.94
   LOCATION L0000045     VOLUME   418518.737 3752612.541 98.18
   LOCATION L0000046     VOLUME   418505.737 3752612.541 98.43
   LOCATION L0000047     VOLUME   418492.737 3752612.541 98.78
   LOCATION L0000048     VOLUME   418479.737 3752612.541 99.14
   LOCATION L0000049     VOLUME   418466.737 3752612.541 99.64
   LOCATION L0000050     VOLUME   418453.737 3752612.541 100.13
   LOCATION L0000051     VOLUME   418440.737 3752612.541 100.52
   LOCATION L0000052     VOLUME   418427.737 3752612.541 100.91
   LOCATION L0000053     VOLUME   418414.737 3752612.541 101.34
   LOCATION L0000054     VOLUME   418401.737 3752612.541 101.76
   LOCATION L0000055     VOLUME   418388.737 3752612.541 102.17
   LOCATION L0000056     VOLUME   418375.737 3752612.541 102.09
   LOCATION L0000057     VOLUME   418362.737 3752612.541 99.91
   LOCATION L0000058     VOLUME   418349.737 3752612.541 97.97
   LOCATION L0000059     VOLUME   418336.754 3752613.103 96.89
   LOCATION L0000060     VOLUME   418323.779 3752613.904 96.29
   LOCATION L0000061     VOLUME   418310.803 3752614.705 97.23
   LOCATION L0000062     VOLUME   418297.828 3752615.506 98.57
** End of LINE VOLUME Source ID = SLINE1
** Source Parameters **
   SRCPARAM SITE         0.0000257475     4.150        13     1.930
   AREAVERT SITE         418455.577 3753037.156 418560.039 3752995.265
   AREAVERT SITE         418596.592 3752983.258 418626.450 3752983.572
   AREAVERT SITE         418683.877 3752997.775 418710.229 3752997.305
   AREAVERT SITE         418736.817 3752989.775 418745.523 3752983.893
   AREAVERT SITE         418755.641 3752964.128 418670.944 3752893.700
   AREAVERT SITE         418662.943 3752868.523 418582.470 3752864.758
   AREAVERT SITE         418404.352 3752866.300
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0000001     0.0161290323      4.15      6.05      3.26
   SRCPARAM L0000002     0.0161290323      4.15      6.05      3.26
   SRCPARAM L0000003     0.0161290323      4.15      6.05      3.26
   SRCPARAM L0000004     0.0161290323      4.15      6.05      3.26
   SRCPARAM L0000005     0.0161290323      4.15      6.05      3.26
   SRCPARAM L0000006     0.0161290323      4.15      6.05      3.26
   SRCPARAM L0000007     0.0161290323      4.15      6.05      3.26
   SRCPARAM L0000008     0.0161290323      4.15      6.05      3.26
   SRCPARAM L0000009     0.0161290323      4.15      6.05      3.26
   SRCPARAM L0000010     0.0161290323      4.15      6.05      3.26
   SRCPARAM L0000011     0.0161290323      4.15      6.05      3.26
   SRCPARAM L0000012     0.0161290323      4.15      6.05      3.26
   SRCPARAM L0000013     0.0161290323      4.15      6.05      3.26
   SRCPARAM L0000014     0.0161290323      4.15      6.05      3.26
   SRCPARAM L0000015     0.0161290323      4.15      6.05      3.26
   SRCPARAM L0000016     0.0161290323      4.15      6.05      3.26
   SRCPARAM L0000017     0.0161290323      4.15      6.05      3.26
   SRCPARAM L0000018     0.0161290323      4.15      6.05      3.26
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   SRCPARAM L0000020     0.0161290323      4.15      6.05      3.26
   SRCPARAM L0000021     0.0161290323      4.15      6.05      3.26
   SRCPARAM L0000022     0.0161290323      4.15      6.05      3.26
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   SRCPARAM L0000028     0.0161290323      4.15      6.05      3.26
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   SRCPARAM L0000059     0.0161290323      4.15      6.05      3.26
   SRCPARAM L0000060     0.0161290323      4.15      6.05      3.26
   SRCPARAM L0000061     0.0161290323      4.15      6.05      3.26
   SRCPARAM L0000062     0.0161290323      4.15      6.05      3.26
**
----------------------------------------------------------------------
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Construction"
** WeekDays:
   EMISFACT SITE         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT SITE         HRDOW 0.0 1.0 1.0 1.0 1.0 0.5
   EMISFACT SITE         HRDOW 0.5 1.0 1.0 1.0 0.0 0.0
   EMISFACT SITE         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT SITE         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT SITE         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT SITE         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT SITE         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT SITE         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT SITE         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT SITE         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT SITE         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 1.0 1.0 1.0 1.0 0.5
   EMISFACT L0000001     HRDOW 0.5 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 1.0 1.0 1.0 1.0 0.5
   EMISFACT L0000002     HRDOW 0.5 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 1.0 1.0 1.0 1.0 0.5
   EMISFACT L0000004     HRDOW 0.5 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 1.0 1.0 1.0 1.0 0.5
   EMISFACT L0000005     HRDOW 0.5 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 1.0 1.0 1.0 1.0 0.5
   EMISFACT L0000006     HRDOW 0.5 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 1.0 1.0 1.0 1.0 0.5
   EMISFACT L0000007     HRDOW 0.5 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000008     HRDOW 0.5 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     HRDOW 0.0 1.0 1.0 1.0 1.0 0.5
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   EMISFACT L0000010     HRDOW 0.0 1.0 1.0 1.0 1.0 0.5
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EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000042     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000049     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000055     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000055     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000055     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000055     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000056     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000056     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000056     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000056     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000057     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000057     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000057     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000057     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000059     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000059     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000059     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000059     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000060     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000060     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000060     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000060     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000061     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000061     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000061     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000061     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ONSITE   SITE
   SRCGROUP HAUL     L0000001 L0000002 L0000003 L0000004 L0000005
L0000006
   SRCGROUP HAUL     L0000007 L0000008 L0000009 L0000010 L0000011
L0000012
   SRCGROUP HAUL     L0000013 L0000014 L0000015 L0000016 L0000017
L0000018
   SRCGROUP HAUL     L0000019 L0000020 L0000021 L0000022 L0000023
L0000024
   SRCGROUP HAUL     L0000025 L0000026 L0000027 L0000028 L0000029
L0000030
   SRCGROUP HAUL     L0000031 L0000032 L0000033 L0000034 L0000035
L0000036
   SRCGROUP HAUL     L0000037 L0000038 L0000039 L0000040 L0000041
L0000042
   SRCGROUP HAUL     L0000043 L0000044 L0000045 L0000046 L0000047
L0000048
   SRCGROUP HAUL     L0000049 L0000050 L0000051 L0000052 L0000053
L0000054
   SRCGROUP HAUL     L0000055 L0000056 L0000057 L0000058 L0000059
```

```
L0000060
   SRCGROUP HAUL     L0000061 L0000062
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED "BREA-05 Construction HRA.rou"
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE KFUL_V9_ADJU_29m\KFUL_v9.SFC
   PROFFILE KFUL_V9_ADJU_29m\KFUL_v9.PFL
   SURFDATA 3166 2012
   UAIRDATA 3190 2012
   PROFBASE 29.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE PERIOD ONSITE "BREA-05 Construction HRA.AD\PE00G001.PLT" 31
   PLOTFILE PERIOD HAUL "BREA-05 Construction HRA.AD\PE00G002.PLT" 32
   SUMMFILE "BREA-05 Construction HRA.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     998        MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold
used            0.50
 ME W187     998        MEOPEN: ADJ_U* Option for Stable Low Winds used in
AERMET

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

*** 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 63 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 9700000.0 ; 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: OTHER

**Model Calculates PERIOD Averages Only

**This Run Includes: 63 Source(s); 2 Source Group(s); and 987 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 62 VOLUME source(s)
and: 1 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:  16216

 **Output Options Selected:
          Model Outputs Tables of PERIOD Averages by Receptor
          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) =    29.00 ;
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:   BREA-05 Construction HRA.err
 **File for Summary of Results:   BREA-05 Construction HRA.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER EMISSION RATE PART. CATS.	EMISSION RATE (GRAMS/SEC) SCALAR VARY BY	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE
L0000001	0	0.16129E-01 HRDOW	418755.3	3752979.3	98.4	4.15	6.05	3.26	YES
L0000002	0	0.16129E-01 HRDOW	418766.2	3752972.8	98.0	4.15	6.05	3.26	YES
L0000003	0	0.16129E-01 HRDOW	418776.6	3752965.8	97.3	4.15	6.05	3.26	YES
L0000004	0	0.16129E-01 HRDOW	418783.8	3752955.0	96.5	4.15	6.05	3.26	YES
L0000005	0	0.16129E-01 HRDOW	418791.0	3752944.2	95.8	4.15	6.05	3.26	YES
L0000006	0	0.16129E-01 HRDOW	418798.1	3752933.3	96.1	4.15	6.05	3.26	YES
L0000007	0	0.16129E-01 HRDOW	418800.9	3752923.3	96.6	4.15	6.05	3.26	YES
L0000008	0	0.16129E-01 HRDOW	418790.4	3752915.5	96.7	4.15	6.05	3.26	YES
L0000009	0	0.16129E-01 HRDOW	418780.0	3752907.8	96.6	4.15	6.05	3.26	YES
L0000010	0	0.16129E-01 HRDOW	418769.5	3752900.1	96.5	4.15	6.05	3.26	YES
L0000011	0	0.16129E-01 HRDOW	418759.1	3752892.4	96.5	4.15	6.05	3.26	YES
L0000012	0	0.16129E-01 HRDOW	418748.6	3752884.6	96.6	4.15	6.05	3.26	YES
L0000013	0	0.16129E-01 HRDOW	418738.1	3752876.9	96.6	4.15	6.05	3.26	YES
L0000014	0	0.16129E-01 HRDOW	418727.7	3752869.2	96.4	4.15	6.05	3.26	YES
L0000015	0	0.16129E-01 HRDOW	418717.7	3752860.9	96.4	4.15	6.05	3.26	YES
L0000016	0	0.16129E-01	418709.8	3752850.7	96.9	4.15			

```
6.05     3.26     YES   HRDOW
 L0000017         0   0.16129E-01  418701.8 3752840.4    97.1     4.15
6.05     3.26     YES   HRDOW
 L0000018         0   0.16129E-01  418693.9 3752830.1    97.1     4.15
6.05     3.26     YES   HRDOW
 L0000019         0   0.16129E-01  418685.9 3752819.8    97.0     4.15
6.05     3.26     YES   HRDOW
 L0000020         0   0.16129E-01  418678.0 3752809.5    97.2     4.15
6.05     3.26     YES   HRDOW
 L0000021         0   0.16129E-01  418672.4 3752797.8    97.1     4.15
6.05     3.26     YES   HRDOW
 L0000022         0   0.16129E-01  418667.1 3752786.0    96.9     4.15
6.05     3.26     YES   HRDOW
 L0000023         0   0.16129E-01  418661.8 3752774.1    96.8     4.15
6.05     3.26     YES   HRDOW
 L0000024         0   0.16129E-01  418656.5 3752762.2    96.8     4.15
6.05     3.26     YES   HRDOW
 L0000025         0   0.16129E-01  418651.5 3752750.2    96.8     4.15
6.05     3.26     YES   HRDOW
 L0000026         0   0.16129E-01  418648.5 3752737.6    96.8     4.15
6.05     3.26     YES   HRDOW
 L0000027         0   0.16129E-01  418645.5 3752724.9    96.8     4.15
6.05     3.26     YES   HRDOW
 L0000028         0   0.16129E-01  418642.5 3752712.3    96.8     4.15
6.05     3.26     YES   HRDOW
 L0000029         0   0.16129E-01  418640.4 3752699.5    96.8     4.15
6.05     3.26     YES   HRDOW
 L0000030         0   0.16129E-01  418640.3 3752686.5    96.9     4.15
6.05     3.26     YES   HRDOW
 L0000031         0   0.16129E-01  418640.2 3752673.5    97.0     4.15
6.05     3.26     YES   HRDOW
 L0000032         0   0.16129E-01  418640.1 3752660.5    97.0     4.15
6.05     3.26     YES   HRDOW
 L0000033         0   0.16129E-01  418640.0 3752647.5    97.0     4.15
6.05     3.26     YES   HRDOW
 L0000034         0   0.16129E-01  418639.9 3752634.5    97.1     4.15
6.05     3.26     YES   HRDOW
 L0000035         0   0.16129E-01  418639.8 3752621.5    97.1     4.15
6.05     3.26     YES   HRDOW
 L0000036         0   0.16129E-01  418635.7 3752612.5    97.0     4.15
6.05     3.26     YES   HRDOW
 L0000037         0   0.16129E-01  418622.7 3752612.5    96.9     4.15
6.05     3.26     YES   HRDOW
 L0000038         0   0.16129E-01  418609.7 3752612.5    97.0     4.15
6.05     3.26     YES   HRDOW
 L0000039         0   0.16129E-01  418596.7 3752612.5    97.0     4.15
6.05     3.26     YES   HRDOW
 L0000040         0   0.16129E-01  418583.7 3752612.5    97.1     4.15
6.05     3.26     YES   HRDOW
```

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. SOURCE CATS.	EMISSION RATE (GRAMS/SEC) SCALAR VARY BY	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE
L0000041	0	0.16129E-01 HRDOW	418570.7	3752612.5	97.2	4.15	6.05	3.26	YES
L0000042	0	0.16129E-01 HRDOW	418557.7	3752612.5	97.2	4.15	6.05	3.26	YES
L0000043	0	0.16129E-01 HRDOW	418544.7	3752612.5	97.6	4.15	6.05	3.26	YES
L0000044	0	0.16129E-01 HRDOW	418531.7	3752612.5	97.9	4.15	6.05	3.26	YES
L0000045	0	0.16129E-01 HRDOW	418518.7	3752612.5	98.2	4.15	6.05	3.26	YES
L0000046	0	0.16129E-01 HRDOW	418505.7	3752612.5	98.4	4.15	6.05	3.26	YES
L0000047	0	0.16129E-01 HRDOW	418492.7	3752612.5	98.8	4.15	6.05	3.26	YES
L0000048	0	0.16129E-01 HRDOW	418479.7	3752612.5	99.1	4.15	6.05	3.26	YES
L0000049	0	0.16129E-01 HRDOW	418466.7	3752612.5	99.6	4.15	6.05	3.26	YES
L0000050	0	0.16129E-01 HRDOW	418453.7	3752612.5	100.1	4.15	6.05	3.26	YES
L0000051	0	0.16129E-01 HRDOW	418440.7	3752612.5	100.5	4.15	6.05	3.26	YES
L0000052	0	0.16129E-01 HRDOW	418427.7	3752612.5	100.9	4.15	6.05	3.26	YES
L0000053	0	0.16129E-01 HRDOW	418414.7	3752612.5	101.3	4.15	6.05	3.26	YES
L0000054	0	0.16129E-01 HRDOW	418401.7	3752612.5	101.8	4.15	6.05	3.26	YES
L0000055	0	0.16129E-01 HRDOW	418388.7	3752612.5	102.2	4.15	6.05	3.26	YES
L0000056	0	0.16129E-01 HRDOW	418375.7	3752612.5	102.1	4.15			

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6.05     3.26     YES   HRDOW
 L0000057         0   0.16129E-01  418362.7 3752612.5    99.9     4.15
6.05     3.26     YES   HRDOW
 L0000058         0   0.16129E-01  418349.7 3752612.5    98.0     4.15
6.05     3.26     YES   HRDOW
 L0000059         0   0.16129E-01  418336.8 3752613.1    96.9     4.15
6.05     3.26     YES   HRDOW
 L0000060         0   0.16129E-01  418323.8 3752613.9    96.3     4.15
6.05     3.26     YES   HRDOW
 L0000061         0   0.16129E-01  418310.8 3752614.7    97.2     4.15
6.05     3.26     YES   HRDOW
 L0000062         0   0.16129E-01  418297.8 3752615.5    98.6     4.15
6.05     3.26     YES   HRDOW
```

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
SITE	0	0.25748E-04	418455.6	3753037.2	107.1	4.15	13	1.93	YES	HRDOW

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ONSITE	SITE ,
HAUL	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 ,
	L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 ,
	L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 ,
	L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 ,
	L0000033 , L0000034 , L0000035 , L0000036 , L0000037 , L0000038 , L0000039 , L0000040 ,
	L0000041 , L0000042 , L0000043 , L0000044 , L0000045 , L0000046 , L0000047 , L0000048 ,
	L0000049 , L0000050 , L0000051 , L0000052 , L0000053 , L0000054 , L0000055 , L0000056 ,
	L0000057 , L0000058 , L0000059 , L0000060 , L0000061 , L0000062 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs
	9700000.	SITE , L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 ,
		L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 ,
		L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 ,
		L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 ,
		L0000032 , L0000033 , L0000034 , L0000035 , L0000036 , L0000037 , L0000038 , L0000039 ,
		L0000040 , L0000041 , L0000042 , L0000043 , L0000044 , L0000045 , L0000046 , L0000047 ,
		L0000048 , L0000049 , L0000050 , L0000051 , L0000052 , L0000053 , L0000054 , L0000055 ,
		L0000056 , L0000057 , L0000058 , L0000059 , L0000060 , L0000061 , L0000062 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = SITE ; SOURCE TYPE = AREAPOLY :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000001 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000002 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000003 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000004 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000005 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000006 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000007 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000008 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000009 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000010 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000011 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000012 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000013 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000014 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000015 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000016 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000017 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000018 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000019 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000020 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000021 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000022 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000023 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000024 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000025 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000026 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000027 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000028 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000029 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000030 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000031 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000032 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000033 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000034 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000035 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000036 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000037 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000038 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000039 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000040 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000041 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000042 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000043 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000044 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000045 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000046 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000047 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000048 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000049 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000050 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000051 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000052 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000053 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000054 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000055 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000056 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000057 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000058 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000059 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000060 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000061 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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 = L0000062 ; SOURCE TYPE = VOLUME :

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	.5000E+00	13	.5000E+00	14	.1000E+01	15	.1000E+01	16	.1000E+01
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)

(418694.5, 3753025.0, 101.8, 101.8, 0.0); (418694.5, 3753045.0, 102.5, 102.5, 0.0);
(418694.5, 3753065.0, 103.1, 103.1, 0.0); (418714.5, 3753025.0, 101.0, 101.0, 0.0);
(418714.5, 3753045.0, 101.7, 101.7, 0.0); (418714.5, 3753065.0, 102.4, 102.4, 0.0);
(418714.5, 3753085.0, 102.9, 102.9, 0.0); (418714.5, 3753105.0, 103.4, 103.4, 0.0);
(418734.5, 3753025.0, 100.2, 100.2, 0.0); (418734.5, 3753045.0, 100.9, 100.9, 0.0);
(418734.5, 3753065.0, 101.7, 101.7, 0.0); (418734.5, 3753085.0, 102.5, 102.5, 0.0);
(418734.5, 3753105.0, 103.3, 103.3, 0.0); (418754.5, 3753005.0, 99.2, 99.2, 0.0);
(418754.5, 3753025.0, 99.9, 99.9, 0.0); (418754.5, 3753045.0, 100.6, 100.6, 0.0);
(418754.5, 3753065.0, 101.3, 101.3, 0.0); (418754.5, 3753085.0, 102.3, 102.3, 0.0);
(418774.5, 3752985.0, 98.3, 98.3, 0.0); (418774.5, 3753005.0, 99.2, 99.2, 0.0);
(418774.5, 3753025.0, 100.3, 100.3, 0.0); (418774.5, 3753045.0, 101.0, 101.0, 0.0);
(418774.5, 3753065.0, 101.7, 101.7, 0.0); (418774.5, 3753085.0, 102.5, 102.5, 0.0);
(418794.5, 3752965.0, 96.8, 96.8, 0.0); (418794.5, 3752985.0, 98.0, 98.0, 0.0);
(418794.5, 3753005.0, 99.5, 99.5, 0.0); (418794.5, 3753025.0, 101.1, 101.1, 0.0);
(418794.5, 3753045.0, 102.2, 102.2, 0.0); (418814.5, 3752965.0, 96.1, 96.1, 0.0);
(418814.5, 3752985.0, 97.3, 97.3, 0.0); (418814.5, 3753005.0, 99.1, 99.1, 0.0);
(418814.5, 3753025.0, 100.7, 100.7, 0.0); (418814.5, 3753045.0, 102.0, 102.0, 0.0);
(418834.5, 3752965.0, 96.6, 96.6, 0.0); (418834.5, 3752985.0, 97.4, 97.4, 0.0);
(418834.5, 3753005.0, 98.8, 98.8, 0.0); (418834.5, 3753025.0, 100.1, 100.1, 0.0);

```
     ( 418834.5, 3753045.0,     101.3,     101.3,       0.0);         (
418834.5, 3753065.0,     102.4,     102.4,       0.0);
     ( 418854.5, 3752985.0,      98.0,      98.0,       0.0);         (
418854.5, 3753005.0,      98.7,      98.7,       0.0);
     ( 418854.5, 3753025.0,      99.7,      99.7,       0.0);         (
418854.5, 3753045.0,     100.6,     100.6,       0.0);
     ( 418854.5, 3753065.0,     101.5,     101.5,       0.0);         (
418854.5, 3753085.0,     102.1,     102.1,       0.0);
     ( 418874.5, 3753005.0,      99.0,     112.0,       0.0);         (
418874.5, 3753025.0,      99.5,     112.0,       0.0);
     ( 418874.5, 3753045.0,     100.0,     100.0,       0.0);         (
418874.5, 3753065.0,     100.3,     100.3,       0.0);
     ( 418874.5, 3753085.0,     101.1,     101.1,       0.0);         (
418874.5, 3753105.0,     101.7,     101.7,       0.0);
     ( 418894.5, 3753005.0,      99.6,     112.0,       0.0);         (
418894.5, 3753025.0,      99.5,     112.0,       0.0);
     ( 418894.5, 3753045.0,      99.5,     112.0,       0.0);         (
418894.5, 3753065.0,      99.4,     112.0,       0.0);
     ( 418894.5, 3753085.0,      99.5,     112.0,       0.0);         (
418894.5, 3753105.0,      99.8,      99.8,       0.0);
     ( 418894.5, 3753125.0,     100.4,     100.4,       0.0);         (
418914.5, 3753045.0,     100.6,     112.2,       0.0);
     ( 418914.5, 3753065.0,     100.7,     112.2,       0.0);         (
418914.5, 3753085.0,     100.7,     112.0,       0.0);
     ( 418914.5, 3753105.0,     100.6,     112.0,       0.0);         (
418914.5, 3753125.0,     100.6,     100.6,       0.0);
     ( 418934.5, 3753065.0,     101.3,     112.2,       0.0);         (
418934.5, 3753085.0,     101.5,     112.2,       0.0);
     ( 418934.5, 3753105.0,     101.5,     112.0,       0.0);         (
418934.5, 3753125.0,     101.5,     101.5,       0.0);
     ( 418934.5, 3753145.0,     100.8,     100.8,       0.0);         (
418954.5, 3753105.0,     102.1,     112.0,       0.0);
     ( 418954.5, 3753125.0,     102.3,     112.0,       0.0);         (
418954.5, 3753145.0,     101.6,     101.6,       0.0);
     ( 418497.5, 3753034.0,     106.8,     106.8,       0.0);         (
418497.5, 3753054.0,     107.2,     107.2,       0.0);
     ( 418497.5, 3753074.0,     107.5,     107.5,       0.0);         (
418497.5, 3753094.0,     107.8,     107.8,       0.0);
     ( 418517.5, 3753034.0,     106.6,     106.6,       0.0);         (
418517.5, 3753054.0,     107.0,     107.0,       0.0);
     ( 418517.5, 3753074.0,     107.3,     107.3,       0.0);         (
418517.5, 3753094.0,     107.3,     107.3,       0.0);
     ( 418517.5, 3753114.0,     107.7,     107.7,       0.0);         (
418517.5, 3753134.0,     108.1,     108.1,       0.0);
     ( 418537.5, 3753034.0,     106.3,     106.3,       0.0);         (
418537.5, 3753054.0,     106.6,     106.6,       0.0);
     ( 418537.5, 3753074.0,     106.9,     106.9,       0.0);         (
418537.5, 3753094.0,     107.1,     107.1,       0.0);
     ( 418537.5, 3753114.0,     107.5,     107.5,       0.0);         (
418537.5, 3753134.0,     107.8,     107.8,       0.0);
     ( 418537.5, 3753154.0,     107.8,     107.8,       0.0);         (
418537.5, 3753174.0,     108.0,     108.0,       0.0);
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(418537.5, 3753194.0, 108.5, 108.5, 0.0); (418557.5, 3753014.0, 105.2, 105.2, 0.0);
(418557.5, 3753034.0, 105.9, 105.9, 0.0); (418557.5, 3753054.0, 106.1, 106.1, 0.0);
(418557.5, 3753074.0, 106.3, 106.3, 0.0); (418557.5, 3753094.0, 106.7, 106.7, 0.0);
(418557.5, 3753114.0, 107.1, 107.1, 0.0); (418557.5, 3753134.0, 107.4, 107.4, 0.0);
(418557.5, 3753154.0, 107.4, 107.4, 0.0); (418557.5, 3753174.0, 107.8, 107.8, 0.0);
(418557.5, 3753194.0, 108.1, 108.1, 0.0); (418557.5, 3753214.0, 108.4, 108.4, 0.0);
(418557.5, 3753234.0, 108.9, 112.1, 0.0); (418577.5, 3753014.0, 104.8, 104.8, 0.0);
(418577.5, 3753034.0, 105.3, 105.3, 0.0); (418577.5, 3753054.0, 105.4, 105.4, 0.0);
(418577.5, 3753074.0, 105.7, 105.7, 0.0); (418577.5, 3753094.0, 106.2, 106.2, 0.0);
(418577.5, 3753114.0, 106.6, 106.6, 0.0); (418577.5, 3753134.0, 106.9, 106.9, 0.0);
(418577.5, 3753154.0, 107.0, 107.0, 0.0); (418577.5, 3753174.0, 107.5, 107.5, 0.0);
(418577.5, 3753194.0, 107.9, 107.9, 0.0); (418577.5, 3753214.0, 107.9, 107.9, 0.0);
(418577.5, 3753234.0, 108.1, 108.1, 0.0); (418577.5, 3753254.0, 108.5, 114.0, 0.0);
(418577.5, 3753274.0, 109.2, 114.8, 0.0); (418597.5, 3753014.0, 104.1, 104.1, 0.0);
(418597.5, 3753034.0, 104.5, 104.5, 0.0); (418597.5, 3753054.0, 104.7, 104.7, 0.0);
(418597.5, 3753074.0, 105.1, 105.1, 0.0); (418597.5, 3753094.0, 105.7, 105.7, 0.0);
(418597.5, 3753114.0, 106.0, 106.0, 0.0); (418597.5, 3753134.0, 106.3, 106.3, 0.0);
(418597.5, 3753154.0, 106.6, 106.6, 0.0); (418597.5, 3753174.0, 107.2, 107.2, 0.0);
(418597.5, 3753194.0, 107.7, 107.7, 0.0); (418597.5, 3753214.0, 107.7, 107.7, 0.0);

```
     ( 418597.5, 3753234.0,     107.9,     107.9,       0.0);         (
418597.5, 3753254.0,     108.1,     108.1,       0.0);
     ( 418597.5, 3753274.0,     108.2,     113.8,       0.0);         (
418597.5, 3753294.0,     108.4,     115.7,       0.0);
     ( 418617.5, 3753014.0,     103.2,     103.2,       0.0);         (
418617.5, 3753034.0,     103.6,     103.6,       0.0);
     ( 418617.5, 3753054.0,     104.0,     104.0,       0.0);         (
418617.5, 3753074.0,     104.6,     104.6,       0.0);
     ( 418617.5, 3753094.0,     105.3,     105.3,       0.0);         (
418617.5, 3753114.0,     105.5,     105.5,       0.0);
     ( 418617.5, 3753134.0,     105.7,     105.7,       0.0);         (
418617.5, 3753154.0,     106.2,     106.2,       0.0);
     ( 418617.5, 3753174.0,     106.9,     106.9,       0.0);         (
418617.5, 3753194.0,     107.5,     107.5,       0.0);
     ( 418617.5, 3753214.0,     107.5,     107.5,       0.0);         (
418617.5, 3753234.0,     107.7,     107.7,       0.0);
     ( 418617.5, 3753254.0,     108.0,     108.0,       0.0);         (
418617.5, 3753274.0,     107.9,     107.9,       0.0);
     ( 418617.5, 3753294.0,     107.9,     115.7,       0.0);         (
418637.5, 3753014.0,     102.5,     102.5,       0.0);
     ( 418637.5, 3753034.0,     103.0,     103.0,       0.0);         (
418637.5, 3753054.0,     103.5,     103.5,       0.0);
     ( 418637.5, 3753074.0,     104.2,     104.2,       0.0);         (
418637.5, 3753094.0,     104.9,     104.9,       0.0);
     ( 418637.5, 3753114.0,     105.0,     105.0,       0.0);         (
418637.5, 3753134.0,     105.2,     105.2,       0.0);
     ( 418637.5, 3753154.0,     105.8,     105.8,       0.0);         (
418637.5, 3753174.0,     106.7,     106.7,       0.0);
     ( 418637.5, 3753194.0,     107.3,     107.3,       0.0);         (
418637.5, 3753214.0,     107.3,     107.3,       0.0);
     ( 418637.5, 3753234.0,     107.5,     107.5,       0.0);         (
418637.5, 3753254.0,     107.7,     107.7,       0.0);
     ( 418637.5, 3753274.0,     107.6,     107.6,       0.0);         (
418637.5, 3753294.0,     107.5,     107.5,       0.0);
     ( 418657.5, 3752654.0,      97.6,      97.6,       0.0);         (
418657.5, 3752674.0,      97.5,      97.5,       0.0);
     ( 418657.5, 3752694.0,      97.2,      97.2,       0.0);         (
418657.5, 3752714.0,      96.9,      96.9,       0.0);
     ( 418657.5, 3753014.0,     102.4,     102.4,       0.0);         (
418657.5, 3753034.0,     103.1,     103.1,       0.0);
     ( 418657.5, 3753054.0,     103.6,     103.6,       0.0);         (
418657.5, 3753074.0,     104.0,     104.0,       0.0);
     ( 418657.5, 3753094.0,     104.5,     104.5,       0.0);         (
418657.5, 3753114.0,     104.5,     104.5,       0.0);
     ( 418657.5, 3753134.0,     104.7,     104.7,       0.0);         (
418657.5, 3753154.0,     105.4,     105.4,       0.0);
     ( 418657.5, 3753174.0,     106.4,     106.4,       0.0);         (
418657.5, 3753194.0,     107.1,     107.1,       0.0);
     ( 418657.5, 3753214.0,     107.1,     107.1,       0.0);         (
418657.5, 3753234.0,     107.3,     107.3,       0.0);
     ( 418657.5, 3753254.0,     107.5,     107.5,       0.0);         (
418657.5, 3753274.0,     107.2,     107.2,       0.0);
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(418677.5, 3752654.0, 98.1, 98.1, 0.0); (418677.5, 3752674.0, 97.8, 97.8, 0.0);
(418677.5, 3752694.0, 97.5, 97.5, 0.0); (418677.5, 3752714.0, 97.2, 97.2, 0.0);
(418677.5, 3752734.0, 97.1, 97.1, 0.0); (418677.5, 3752754.0, 97.0, 97.0, 0.0);
(418677.5, 3753054.0, 103.3, 103.3, 0.0); (418677.5, 3753074.0, 103.7, 103.7, 0.0);
(418677.5, 3753094.0, 104.2, 104.2, 0.0); (418677.5, 3753114.0, 104.0, 104.0, 0.0);
(418677.5, 3753134.0, 104.2, 104.2, 0.0); (418677.5, 3753154.0, 105.0, 105.0, 0.0);
(418677.5, 3753174.0, 106.0, 106.0, 0.0); (418677.5, 3753194.0, 106.8, 106.8, 0.0);
(418677.5, 3753214.0, 106.9, 106.9, 0.0); (418677.5, 3753234.0, 107.1, 107.1, 0.0);
(418677.5, 3753254.0, 107.2, 107.2, 0.0); (418677.5, 3753274.0, 106.9, 106.9, 0.0);
(418697.5, 3752654.0, 98.5, 98.5, 0.0); (418697.5, 3752674.0, 98.1, 98.1, 0.0);
(418697.5, 3752694.0, 97.8, 97.8, 0.0); (418697.5, 3752714.0, 97.5, 97.5, 0.0);
(418697.5, 3752734.0, 97.3, 97.3, 0.0); (418697.5, 3752754.0, 97.3, 97.3, 0.0);
(418697.5, 3752774.0, 97.2, 97.2, 0.0); (418697.5, 3752794.0, 97.1, 97.1, 0.0);
(418697.5, 3753094.0, 103.7, 103.7, 0.0); (418697.5, 3753114.0, 103.7, 103.7, 0.0);
(418697.5, 3753134.0, 104.0, 104.0, 0.0); (418697.5, 3753154.0, 104.8, 104.8, 0.0);
(418697.5, 3753174.0, 105.8, 105.8, 0.0); (418697.5, 3753194.0, 106.5, 106.5, 0.0);
(418697.5, 3753214.0, 106.6, 106.6, 0.0); (418697.5, 3753234.0, 106.8, 106.8, 0.0);
(418697.5, 3753254.0, 106.9, 106.9, 0.0); (418697.5, 3753274.0, 106.6, 106.6, 0.0);
(418717.5, 3752654.0, 98.8, 98.8, 0.0); (418717.5, 3752674.0, 98.6, 98.6, 0.0);

```
     ( 418717.5, 3752694.0,      98.4,      98.4,       0.0);         (
418717.5, 3752714.0,      97.8,      97.8,       0.0);
     ( 418717.5, 3752734.0,      97.4,      97.4,       0.0);         (
418717.5, 3752754.0,      97.3,      97.3,       0.0);
     ( 418717.5, 3752774.0,      97.4,      97.4,       0.0);         (
418717.5, 3752794.0,      97.5,      97.5,       0.0);
     ( 418717.5, 3752814.0,      97.3,      97.3,       0.0);         (
418717.5, 3752834.0,      97.1,      97.1,       0.0);
     ( 418717.5, 3753134.0,     104.1,     104.1,       0.0);         (
418717.5, 3753154.0,     104.9,     104.9,       0.0);
     ( 418717.5, 3753174.0,     105.6,     105.6,       0.0);         (
418717.5, 3753194.0,     106.1,     106.1,       0.0);
     ( 418717.5, 3753214.0,     106.2,     106.2,       0.0);         (
418717.5, 3753234.0,     106.5,     106.5,       0.0);
     ( 418717.5, 3753254.0,     106.5,     106.5,       0.0);         (
418717.5, 3753274.0,     106.2,     106.2,       0.0);
     ( 418737.5, 3752654.0,      99.6,      99.6,       0.0);         (
418737.5, 3752674.0,      99.6,      99.6,       0.0);
     ( 418737.5, 3752694.0,      99.7,      99.7,       0.0);         (
418737.5, 3752714.0,      98.8,      98.8,       0.0);
     ( 418737.5, 3752734.0,      98.0,      98.0,       0.0);         (
418737.5, 3752754.0,      97.5,      97.5,       0.0);
     ( 418737.5, 3752774.0,      97.4,      97.4,       0.0);         (
418737.5, 3752794.0,      97.5,      97.5,       0.0);
     ( 418737.5, 3752814.0,      97.6,      97.6,       0.0);         (
418737.5, 3752834.0,      97.5,      97.5,       0.0);
     ( 418737.5, 3752854.0,      97.2,      97.2,       0.0);         (
418737.5, 3753114.0,     103.7,     103.7,       0.0);
     ( 418737.5, 3753134.0,     104.4,     104.4,       0.0);         (
418737.5, 3753154.0,     105.0,     105.0,       0.0);
     ( 418737.5, 3753174.0,     105.3,     105.3,       0.0);         (
418737.5, 3753194.0,     105.6,     105.6,       0.0);
     ( 418737.5, 3753214.0,     106.0,     106.0,       0.0);         (
418737.5, 3753234.0,     106.2,     106.2,       0.0);
     ( 418737.5, 3753254.0,     106.2,     106.2,       0.0);         (
418737.5, 3753274.0,     106.1,     106.1,       0.0);
     ( 418757.5, 3752654.0,     100.4,     100.4,       0.0);         (
418757.5, 3752674.0,     100.4,     100.4,       0.0);
     ( 418757.5, 3752694.0,     100.5,     100.5,       0.0);         (
418757.5, 3752714.0,      99.5,      99.5,       0.0);
     ( 418757.5, 3752734.0,      98.7,      98.7,       0.0);         (
418757.5, 3752754.0,      98.3,      98.3,       0.0);
     ( 418757.5, 3752774.0,      98.2,      98.2,       0.0);         (
418757.5, 3752794.0,      98.0,      98.0,       0.0);
     ( 418757.5, 3752814.0,      97.7,      97.7,       0.0);         (
418757.5, 3752834.0,      97.7,      97.7,       0.0);
     ( 418757.5, 3752854.0,      97.6,      97.6,       0.0);         (
418757.5, 3752874.0,      97.2,      97.2,       0.0);
     ( 418757.5, 3753114.0,     103.7,     103.7,       0.0);         (
418757.5, 3753134.0,     104.4,     104.4,       0.0);
     ( 418757.5, 3753154.0,     104.7,     104.7,       0.0);         (
418757.5, 3753174.0,     105.0,     105.0,       0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(418757.5, 3753194.0, 105.3, 105.3, 0.0); (418757.5, 3753214.0, 105.7, 105.7, 0.0);
(418757.5, 3753234.0, 105.8, 105.8, 0.0); (418757.5, 3753254.0, 105.8, 105.8, 0.0);
(418777.5, 3752654.0, 101.2, 101.2, 0.0); (418777.5, 3752674.0, 101.2, 101.2, 0.0);
(418777.5, 3752694.0, 101.3, 101.3, 0.0); (418777.5, 3752714.0, 100.3, 100.3, 0.0);
(418777.5, 3752734.0, 99.7, 99.7, 0.0); (418777.5, 3752754.0, 99.4, 99.4, 0.0);
(418777.5, 3752774.0, 99.2, 99.2, 0.0); (418777.5, 3752794.0, 98.8, 98.8, 0.0);
(418777.5, 3752814.0, 98.0, 98.0, 0.0); (418777.5, 3752834.0, 98.0, 98.0, 0.0);
(418777.5, 3752854.0, 98.0, 98.0, 0.0); (418777.5, 3752874.0, 97.7, 97.7, 0.0);
(418777.5, 3753094.0, 102.8, 102.8, 0.0); (418777.5, 3753114.0, 103.5, 103.5, 0.0);
(418777.5, 3753134.0, 104.0, 104.0, 0.0); (418777.5, 3753154.0, 104.3, 104.3, 0.0);
(418777.5, 3753174.0, 104.7, 104.7, 0.0); (418777.5, 3753194.0, 105.0, 105.0, 0.0);
(418777.5, 3753214.0, 105.2, 105.2, 0.0); (418777.5, 3753234.0, 105.2, 105.2, 0.0);
(418777.5, 3753254.0, 105.3, 105.3, 0.0); (418797.5, 3752654.0, 102.0, 102.0, 0.0);
(418797.5, 3752674.0, 102.0, 102.0, 0.0); (418797.5, 3752694.0, 102.1, 102.1, 0.0);
(418797.5, 3752714.0, 101.4, 101.4, 0.0); (418797.5, 3752734.0, 100.8, 100.8, 0.0);
(418797.5, 3752754.0, 100.6, 100.6, 0.0); (418797.5, 3752774.0, 100.5, 100.5, 0.0);
(418797.5, 3752794.0, 100.0, 102.2, 0.0); (418797.5, 3752814.0, 99.0, 101.0, 0.0);
(418797.5, 3752834.0, 98.9, 98.9, 0.0); (418797.5, 3752854.0, 98.7, 98.7, 0.0);
(418797.5, 3752874.0, 98.1, 98.1, 0.0); (418797.5, 3752894.0, 97.6, 97.6, 0.0);

```
     ( 418797.5, 3753074.0,     102.9,     102.9,       0.0);         (
418797.5, 3753094.0,     102.9,     102.9,       0.0);
     ( 418797.5, 3753114.0,     103.2,     103.2,       0.0);         (
418797.5, 3753134.0,     103.6,     103.6,       0.0);
     ( 418797.5, 3753154.0,     104.1,     104.1,       0.0);         (
418797.5, 3753174.0,     104.5,     104.5,       0.0);
     ( 418797.5, 3753194.0,     104.7,     104.7,       0.0);         (
418797.5, 3753214.0,     104.7,     104.7,       0.0);
     ( 418797.5, 3753234.0,     104.7,     104.7,       0.0);         (
418817.5, 3752654.0,     102.7,     102.7,       0.0);
     ( 418817.5, 3752674.0,     102.7,     102.7,       0.0);         (
418817.5, 3752694.0,     102.9,     102.9,       0.0);
     ( 418817.5, 3752714.0,     102.5,     102.5,       0.0);         (
418817.5, 3752734.0,     102.2,     102.2,       0.0);
     ( 418817.5, 3752754.0,     102.0,     102.0,       0.0);         (
418817.5, 3752774.0,     102.2,     102.2,       0.0);
     ( 418817.5, 3752794.0,     102.0,     102.0,       0.0);         (
418817.5, 3752814.0,     101.2,     101.2,       0.0);
     ( 418817.5, 3752834.0,     100.6,     100.6,       0.0);         (
418817.5, 3752854.0,      99.8,      99.8,       0.0);
     ( 418817.5, 3752874.0,      98.5,      98.5,       0.0);         (
418817.5, 3752894.0,      97.9,      97.9,       0.0);
     ( 418817.5, 3752914.0,      97.4,      97.4,       0.0);         (
418817.5, 3753074.0,     103.0,     103.0,       0.0);
     ( 418817.5, 3753094.0,     102.8,     102.8,       0.0);         (
418817.5, 3753114.0,     103.0,     103.0,       0.0);
     ( 418817.5, 3753134.0,     103.4,     103.4,       0.0);         (
418817.5, 3753154.0,     103.9,     103.9,       0.0);
     ( 418817.5, 3753174.0,     104.0,     104.0,       0.0);         (
418817.5, 3753194.0,     103.9,     103.9,       0.0);
     ( 418817.5, 3753214.0,     103.9,     103.9,       0.0);         (
418837.5, 3752654.0,     103.4,     103.4,       0.0);
     ( 418837.5, 3752674.0,     103.5,     103.5,       0.0);         (
418837.5, 3752694.0,     103.9,     103.9,       0.0);
     ( 418837.5, 3752714.0,     103.8,     103.8,       0.0);         (
418837.5, 3752734.0,     103.6,     103.6,       0.0);
     ( 418837.5, 3752754.0,     103.3,     103.3,       0.0);         (
418837.5, 3752774.0,     103.6,     103.6,       0.0);
     ( 418837.5, 3752794.0,     103.6,     103.6,       0.0);         (
418837.5, 3752814.0,     103.0,     103.0,       0.0);
     ( 418837.5, 3752834.0,     101.7,     101.7,       0.0);         (
418837.5, 3752854.0,     100.3,     108.7,       0.0);
     ( 418837.5, 3752874.0,      99.2,     108.7,       0.0);         (
418837.5, 3752894.0,      99.0,     108.7,       0.0);
     ( 418837.5, 3752914.0,      98.9,      98.9,       0.0);         (
418837.5, 3753094.0,     102.8,     102.8,       0.0);
     ( 418837.5, 3753114.0,     102.8,     102.8,       0.0);         (
418837.5, 3753134.0,     102.9,     102.9,       0.0);
     ( 418837.5, 3753154.0,     103.2,     103.2,       0.0);         (
418837.5, 3753174.0,     103.2,     103.2,       0.0);
     ( 418837.5, 3753194.0,     103.3,     103.3,       0.0);         (
418857.5, 3752654.0,     104.2,     104.2,       0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(418857.5, 3752674.0, 104.4, 104.4, 0.0); (418857.5, 3752694.0, 104.7, 104.7, 0.0);
(418857.5, 3752714.0, 105.0, 105.0, 0.0); (418857.5, 3752734.0, 104.9, 104.9, 0.0);
(418857.5, 3752754.0, 104.5, 104.5, 0.0); (418857.5, 3752774.0, 104.4, 104.4, 0.0);
(418857.5, 3752794.0, 104.1, 104.1, 0.0); (418857.5, 3752814.0, 103.4, 103.4, 0.0);
(418857.5, 3752834.0, 102.1, 109.0, 0.0); (418857.5, 3752854.0, 100.9, 109.8, 0.0);
(418857.5, 3752874.0, 100.0, 109.8, 0.0); (418857.5, 3752894.0, 100.1, 108.7, 0.0);
(418857.5, 3752914.0, 100.1, 100.1, 0.0); (418857.5, 3752934.0, 99.4, 99.4, 0.0);
(418857.5, 3753094.0, 102.2, 102.2, 0.0); (418857.5, 3753114.0, 102.5, 102.5, 0.0);
(418857.5, 3753134.0, 102.6, 102.6, 0.0); (418857.5, 3753154.0, 102.7, 102.7, 0.0);
(418857.5, 3753174.0, 102.7, 102.7, 0.0); (418877.5, 3752654.0, 105.0, 105.0, 0.0);
(418877.5, 3752674.0, 105.2, 105.2, 0.0); (418877.5, 3752694.0, 105.6, 105.6, 0.0);
(418877.5, 3752714.0, 106.0, 106.0, 0.0); (418877.5, 3752734.0, 106.0, 106.0, 0.0);
(418877.5, 3752754.0, 105.6, 105.6, 0.0); (418877.5, 3752774.0, 105.2, 105.2, 0.0);
(418877.5, 3752794.0, 104.6, 104.6, 0.0); (418877.5, 3752814.0, 104.0, 109.0, 0.0);
(418877.5, 3752834.0, 102.9, 109.9, 0.0); (418877.5, 3752854.0, 101.8, 109.9, 0.0);
(418877.5, 3752874.0, 100.9, 109.9, 0.0); (418877.5, 3752894.0, 101.0, 109.8, 0.0);
(418877.5, 3752914.0, 101.1, 101.1, 0.0); (418877.5, 3752934.0, 100.8, 100.8, 0.0);
(418877.5, 3753134.0, 102.0, 102.0, 0.0); (418877.5, 3753154.0, 102.3, 102.3, 0.0);
(418877.5, 3753174.0, 102.4, 102.4, 0.0); (418877.5, 3753194.0, 102.6, 102.6, 0.0);

```
     ( 418897.5, 3752654.0,     105.7,     105.7,       0.0);         (
418897.5, 3752674.0,     106.0,     106.0,       0.0);
     ( 418897.5, 3752694.0,     106.4,     106.4,       0.0);         (
418897.5, 3752714.0,     107.0,     107.0,       0.0);
     ( 418897.5, 3752734.0,     107.1,     107.1,       0.0);         (
418897.5, 3752754.0,     106.7,     106.7,       0.0);
     ( 418897.5, 3752774.0,     106.2,     106.2,       0.0);         (
418897.5, 3752794.0,     105.8,     109.0,       0.0);
     ( 418897.5, 3752814.0,     105.5,     109.0,       0.0);         (
418897.5, 3752834.0,     104.7,     109.9,       0.0);
     ( 418897.5, 3752854.0,     103.7,     109.9,       0.0);         (
418897.5, 3752874.0,     102.3,     109.9,       0.0);
     ( 418897.5, 3752894.0,     102.0,     109.8,       0.0);         (
418897.5, 3752914.0,     102.0,     102.0,       0.0);
     ( 418897.5, 3752934.0,     102.3,     102.3,       0.0);         (
418897.5, 3752954.0,     101.5,     101.5,       0.0);
     ( 418897.5, 3753174.0,     102.3,     102.3,       0.0);         (
418897.5, 3753194.0,     102.6,     102.6,       0.0);
     ( 418917.5, 3752654.0,     106.5,     106.5,       0.0);         (
418917.5, 3752674.0,     106.7,     106.7,       0.0);
     ( 418917.5, 3752694.0,     107.2,     107.2,       0.0);         (
418917.5, 3752714.0,     107.9,     107.9,       0.0);
     ( 418917.5, 3752734.0,     108.1,     108.1,       0.0);         (
418917.5, 3752754.0,     108.0,     108.0,       0.0);
     ( 418917.5, 3752774.0,     108.0,     108.0,       0.0);         (
418917.5, 3752794.0,     108.3,     108.3,       0.0);
     ( 418917.5, 3752814.0,     108.6,     109.0,       0.0);         (
418917.5, 3752834.0,     108.5,     108.5,       0.0);
     ( 418917.5, 3752854.0,     107.3,     108.7,       0.0);         (
418917.5, 3752874.0,     104.7,     109.8,       0.0);
     ( 418917.5, 3752894.0,     103.5,     109.8,       0.0);         (
418917.5, 3752914.0,     103.0,     107.7,       0.0);
     ( 418917.5, 3752934.0,     103.6,     103.6,       0.0);         (
418917.5, 3752954.0,     103.4,     103.4,       0.0);
     ( 418917.5, 3752974.0,     102.6,     106.0,       0.0);         (
418917.5, 3753194.0,     102.5,     102.5,       0.0);
     ( 418917.5, 3753214.0,     102.6,     102.6,       0.0);         (
418937.5, 3752654.0,     107.2,     107.2,       0.0);
     ( 418937.5, 3752674.0,     107.5,     107.5,       0.0);         (
418937.5, 3752694.0,     108.0,     108.0,       0.0);
     ( 418937.5, 3752714.0,     108.6,     108.6,       0.0);         (
418937.5, 3752734.0,     108.9,     108.9,       0.0);
     ( 418937.5, 3752754.0,     108.8,     108.8,       0.0);         (
418937.5, 3752774.0,     109.2,     109.2,       0.0);
     ( 418937.5, 3752794.0,     109.5,     109.5,       0.0);         (
418937.5, 3752814.0,     109.6,     109.6,       0.0);
     ( 418937.5, 3752834.0,     109.5,     109.5,       0.0);         (
418937.5, 3752854.0,     108.8,     108.8,       0.0);
     ( 418937.5, 3752874.0,     107.0,     107.0,       0.0);         (
418937.5, 3752894.0,     105.2,     109.1,       0.0);
     ( 418937.5, 3752914.0,     104.1,     104.1,       0.0);         (
418937.5, 3752934.0,     104.6,     104.6,       0.0);
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(418937.5, 3752954.0, 104.9, 104.9, 0.0); (418937.5, 3752974.0, 104.7, 106.0, 0.0);
(418937.5, 3752994.0, 103.2, 112.0, 0.0); (418937.5, 3753214.0, 102.7, 102.7, 0.0);
(418957.5, 3752654.0, 107.9, 107.9, 0.0); (418957.5, 3752674.0, 108.1, 108.1, 0.0);
(418957.5, 3752694.0, 108.5, 108.5, 0.0); (418957.5, 3752714.0, 109.1, 109.1, 0.0);
(418957.5, 3752734.0, 109.3, 109.3, 0.0); (418957.5, 3752754.0, 109.3, 109.3, 0.0);
(418957.5, 3752774.0, 109.7, 109.7, 0.0); (418957.5, 3752794.0, 109.9, 109.9, 0.0);
(418957.5, 3752814.0, 109.9, 109.9, 0.0); (418957.5, 3752834.0, 109.7, 109.7, 0.0);
(418957.5, 3752854.0, 109.3, 109.3, 0.0); (418957.5, 3752874.0, 108.5, 108.5, 0.0);
(418957.5, 3752894.0, 106.6, 109.1, 0.0); (418957.5, 3752914.0, 105.2, 105.2, 0.0);
(418957.5, 3752934.0, 105.2, 105.2, 0.0); (418957.5, 3752954.0, 105.6, 105.6, 0.0);
(418957.5, 3752974.0, 105.9, 105.9, 0.0); (418957.5, 3752994.0, 105.3, 112.0, 0.0);
(418957.5, 3753014.0, 104.5, 112.2, 0.0); (418957.5, 3753034.0, 103.5, 112.2, 0.0);
(418957.5, 3753214.0, 102.8, 102.8, 0.0); (418977.5, 3752654.0, 108.5, 108.5, 0.0);
(418977.5, 3752674.0, 108.7, 108.7, 0.0); (418977.5, 3752694.0, 109.0, 109.0, 0.0);
(418977.5, 3752714.0, 109.4, 109.4, 0.0); (418977.5, 3752734.0, 109.6, 109.6, 0.0);
(418977.5, 3752754.0, 109.6, 109.6, 0.0); (418977.5, 3752774.0, 110.0, 110.0, 0.0);
(418977.5, 3752794.0, 110.1, 110.1, 0.0); (418977.5, 3752814.0, 109.9, 109.9, 0.0);
(418977.5, 3752834.0, 109.7, 109.7, 0.0); (418977.5, 3752854.0, 109.4, 109.4, 0.0);
(418977.5, 3752874.0, 109.2, 109.2, 0.0); (418977.5, 3752894.0, 107.7, 107.7, 0.0);

```
     ( 418977.5, 3752914.0,     106.3,     106.3,       0.0);         (
418977.5, 3752934.0,     105.8,     105.8,       0.0);
     ( 418977.5, 3752954.0,     106.0,     106.0,       0.0);         (
418977.5, 3752974.0,     106.3,     106.3,       0.0);
     ( 418977.5, 3752994.0,     107.1,     112.0,       0.0);         (
418977.5, 3753014.0,     107.4,     112.0,       0.0);
     ( 418977.5, 3753034.0,     107.3,     112.2,       0.0);         (
418977.5, 3753054.0,     105.5,     112.2,       0.0);
     ( 418997.5, 3752654.0,     109.1,     109.1,       0.0);         (
418997.5, 3752674.0,     109.2,     109.2,       0.0);
     ( 418997.5, 3752694.0,     109.2,     109.2,       0.0);         (
418997.5, 3752714.0,     109.5,     109.5,       0.0);
     ( 418997.5, 3752734.0,     109.6,     109.6,       0.0);         (
418997.5, 3752754.0,     109.8,     109.8,       0.0);
     ( 418997.5, 3752774.0,     110.2,     110.2,       0.0);         (
418997.5, 3752794.0,     110.3,     110.3,       0.0);
     ( 418997.5, 3752814.0,     110.1,     110.1,       0.0);         (
418997.5, 3752834.0,     109.7,     109.7,       0.0);
     ( 418997.5, 3752854.0,     109.5,     109.5,       0.0);         (
418997.5, 3752874.0,     109.4,     109.4,       0.0);
     ( 418997.5, 3752894.0,     108.4,     108.4,       0.0);         (
418997.5, 3752914.0,     107.4,     107.4,       0.0);
     ( 418997.5, 3752934.0,     106.7,     106.7,       0.0);         (
418997.5, 3752954.0,     106.6,     106.6,       0.0);
     ( 418997.5, 3752974.0,     107.1,     111.5,       0.0);         (
418997.5, 3752994.0,     108.7,     111.5,       0.0);
     ( 418997.5, 3753014.0,     110.4,     110.4,       0.0);         (
418997.5, 3753034.0,     111.7,     111.7,       0.0);
     ( 418997.5, 3753054.0,     110.5,     110.5,       0.0);         (
418997.5, 3753074.0,     108.0,     112.0,       0.0);
     ( 418997.5, 3753094.0,     105.0,     112.2,       0.0);         (
418997.5, 3753114.0,     103.6,     112.0,       0.0);
     ( 418997.5, 3753134.0,     102.9,     112.0,       0.0);         (
419017.5, 3752654.0,     109.7,     109.7,       0.0);
     ( 419017.5, 3752674.0,     109.8,     109.8,       0.0);         (
419017.5, 3752694.0,     109.9,     109.9,       0.0);
     ( 419017.5, 3752714.0,     110.0,     110.0,       0.0);         (
419017.5, 3752734.0,     110.1,     110.1,       0.0);
     ( 419017.5, 3752754.0,     110.1,     110.1,       0.0);         (
419017.5, 3752774.0,     110.3,     110.3,       0.0);
     ( 419017.5, 3752794.0,     110.3,     110.3,       0.0);         (
419017.5, 3752814.0,     110.2,     110.2,       0.0);
     ( 419017.5, 3752834.0,     109.7,     109.7,       0.0);         (
419017.5, 3752854.0,     109.4,     109.4,       0.0);
     ( 419017.5, 3752874.0,     109.4,     109.4,       0.0);         (
419017.5, 3752894.0,     108.7,     108.7,       0.0);
     ( 419017.5, 3752914.0,     108.0,     108.0,       0.0);         (
419017.5, 3752934.0,     107.5,     107.5,       0.0);
     ( 419017.5, 3752954.0,     107.7,     107.7,       0.0);         (
419017.5, 3752974.0,     108.4,     111.5,       0.0);
     ( 419017.5, 3752994.0,     110.4,     111.5,       0.0);         (
419017.5, 3753014.0,     111.5,     111.5,       0.0);
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(419017.5, 3753034.0, 112.1, 112.1, 0.0); (419017.5, 3753054.0, 111.7, 111.7, 0.0);
(419017.5, 3753074.0, 109.5, 112.0, 0.0); (419017.5, 3753094.0, 106.2, 112.0, 0.0);
(419017.5, 3753114.0, 104.4, 112.0, 0.0); (419017.5, 3753134.0, 103.7, 112.0, 0.0);
(419017.5, 3753154.0, 103.8, 103.8, 0.0); (419017.5, 3753174.0, 102.9, 102.9, 0.0);
(419037.5, 3752654.0, 110.8, 110.8, 0.0); (419037.5, 3752674.0, 110.9, 110.9, 0.0);
(419037.5, 3752694.0, 110.9, 110.9, 0.0); (419037.5, 3752714.0, 110.9, 110.9, 0.0);
(419037.5, 3752734.0, 110.8, 110.8, 0.0); (419037.5, 3752754.0, 110.6, 110.6, 0.0);
(419037.5, 3752774.0, 110.5, 110.5, 0.0); (419037.5, 3752794.0, 110.4, 110.4, 0.0);
(419037.5, 3752814.0, 110.2, 110.2, 0.0); (419037.5, 3752834.0, 109.7, 109.7, 0.0);
(419037.5, 3752854.0, 109.3, 109.3, 0.0); (419037.5, 3752874.0, 109.2, 109.2, 0.0);
(419037.5, 3752894.0, 109.0, 109.0, 0.0); (419037.5, 3752914.0, 108.6, 108.6, 0.0);
(419037.5, 3752934.0, 108.3, 108.3, 0.0); (419037.5, 3752954.0, 108.5, 108.5, 0.0);
(419037.5, 3752974.0, 109.3, 109.3, 0.0); (419037.5, 3752994.0, 111.0, 111.0, 0.0);
(419037.5, 3753014.0, 111.8, 111.8, 0.0); (419037.5, 3753034.0, 112.1, 112.1, 0.0);
(419037.5, 3753054.0, 112.0, 112.0, 0.0); (419037.5, 3753074.0, 110.1, 112.0, 0.0);
(419037.5, 3753094.0, 107.2, 112.0, 0.0); (419037.5, 3753114.0, 105.4, 112.0, 0.0);
(419037.5, 3753134.0, 104.7, 104.7, 0.0); (419037.5, 3753154.0, 105.0, 105.0, 0.0);
(419037.5, 3753174.0, 104.1, 104.1, 0.0); (419057.5, 3752654.0, 111.4, 111.4, 0.0);
(419057.5, 3752674.0, 111.5, 111.5, 0.0); (419057.5, 3752694.0, 111.4, 111.4, 0.0);

```
     ( 419057.5, 3752714.0,     111.3,     111.3,       0.0);         (
419057.5, 3752734.0,     111.1,     111.1,       0.0);
     ( 419057.5, 3752754.0,     110.8,     110.8,       0.0);         (
419057.5, 3752774.0,     110.6,     110.6,       0.0);
     ( 419057.5, 3752794.0,     110.5,     110.5,       0.0);         (
419057.5, 3752814.0,     110.4,     110.4,       0.0);
     ( 419057.5, 3752834.0,     109.9,     109.9,       0.0);         (
419057.5, 3752854.0,     109.6,     109.6,       0.0);
     ( 419057.5, 3752874.0,     109.5,     109.5,       0.0);         (
419057.5, 3752894.0,     109.5,     109.5,       0.0);
     ( 419057.5, 3752914.0,     109.3,     109.3,       0.0);         (
419057.5, 3752934.0,     109.0,     109.0,       0.0);
     ( 419057.5, 3752954.0,     109.3,     109.3,       0.0);         (
419057.5, 3752974.0,     110.0,     110.0,       0.0);
     ( 419057.5, 3752994.0,     111.4,     111.4,       0.0);         (
419057.5, 3753014.0,     111.9,     111.9,       0.0);
     ( 419057.5, 3753034.0,     112.1,     112.1,       0.0);         (
419057.5, 3753054.0,     112.0,     112.0,       0.0);
     ( 419057.5, 3753074.0,     110.6,     110.6,       0.0);         (
419057.5, 3753094.0,     108.4,     112.0,       0.0);
     ( 419057.5, 3753114.0,     106.7,     110.0,       0.0);         (
419057.5, 3753134.0,     106.1,     106.1,       0.0);
     ( 419057.5, 3753154.0,     106.3,     106.3,       0.0);         (
419057.5, 3753174.0,     105.7,     105.7,       0.0);
     ( 419057.5, 3753194.0,     104.9,     107.0,       0.0);         (
419077.5, 3752654.0,     111.6,     111.6,       0.0);
     ( 419077.5, 3752674.0,     111.6,     111.6,       0.0);         (
419077.5, 3752694.0,     111.5,     111.5,       0.0);
     ( 419077.5, 3752714.0,     111.3,     111.3,       0.0);         (
419077.5, 3752734.0,     111.1,     111.1,       0.0);
     ( 419077.5, 3752754.0,     110.9,     110.9,       0.0);         (
419077.5, 3752774.0,     110.8,     110.8,       0.0);
     ( 419077.5, 3752874.0,     110.2,     110.2,       0.0);         (
419077.5, 3752894.0,     110.3,     110.3,       0.0);
     ( 419077.5, 3752914.0,     110.2,     110.2,       0.0);         (
419077.5, 3752934.0,     109.8,     109.8,       0.0);
     ( 419077.5, 3752954.0,     110.1,     110.1,       0.0);         (
419077.5, 3752974.0,     110.8,     110.8,       0.0);
     ( 419077.5, 3752994.0,     111.7,     111.7,       0.0);         (
419077.5, 3753014.0,     112.0,     112.0,       0.0);
     ( 419077.5, 3753034.0,     112.1,     112.1,       0.0);         (
419077.5, 3753054.0,     112.0,     112.0,       0.0);
     ( 419077.5, 3753074.0,     111.2,     111.2,       0.0);         (
419077.5, 3753094.0,     110.0,     110.0,       0.0);
     ( 419077.5, 3753114.0,     108.6,     108.6,       0.0);         (
419077.5, 3753134.0,     107.8,     107.8,       0.0);
     ( 419077.5, 3753154.0,     107.5,     107.5,       0.0);         (
419077.5, 3753174.0,     107.2,     107.2,       0.0);
     ( 419077.5, 3753194.0,     106.1,     106.1,       0.0);         (
419097.5, 3752874.0,     110.9,     110.9,       0.0);
     ( 419097.5, 3752894.0,     111.0,     111.0,       0.0);         (
419097.5, 3752914.0,     110.9,     110.9,       0.0);
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(419097.5, 3752934.0, 110.5, 110.5, 0.0); (419097.5, 3752954.0, 110.8, 110.8, 0.0);
(419097.5, 3752974.0, 111.3, 111.3, 0.0); (419097.5, 3752994.0, 111.8, 111.8, 0.0);
(419097.5, 3753014.0, 111.9, 111.9, 0.0); (419097.5, 3753034.0, 111.9, 111.9, 0.0);
(419097.5, 3753054.0, 111.8, 111.8, 0.0); (419097.5, 3753074.0, 111.4, 111.4, 0.0);
(419097.5, 3753094.0, 110.8, 110.8, 0.0); (419097.5, 3753114.0, 110.0, 110.0, 0.0);
(419097.5, 3753134.0, 109.2, 109.2, 0.0); (419097.5, 3753154.0, 108.5, 108.5, 0.0);
(419097.5, 3753174.0, 108.4, 108.4, 0.0); (418760.4, 3752501.6, 104.3, 104.3, 0.0);
(418760.4, 3752521.6, 104.2, 104.2, 0.0); (418760.4, 3752541.6, 104.0, 104.0, 0.0);
(418760.4, 3752561.6, 103.4, 103.4, 0.0); (418760.4, 3752581.6, 102.4, 102.4, 0.0);
(418780.4, 3752501.6, 104.3, 104.3, 0.0); (418780.4, 3752521.6, 104.4, 104.4, 0.0);
(418780.4, 3752541.6, 104.3, 104.3, 0.0); (418780.4, 3752561.6, 103.8, 103.8, 0.0);
(418780.4, 3752581.6, 102.8, 102.8, 0.0); (418800.4, 3752501.6, 104.3, 104.3, 0.0);
(418800.4, 3752521.6, 104.4, 104.4, 0.0); (418800.4, 3752541.6, 104.5, 104.5, 0.0);
(418800.4, 3752561.6, 104.0, 104.0, 0.0); (418800.4, 3752581.6, 103.2, 103.2, 0.0);
(418820.4, 3752501.6, 104.4, 104.4, 0.0); (418820.4, 3752521.6, 104.5, 104.5, 0.0);
(418820.4, 3752541.6, 104.5, 104.5, 0.0); (418820.4, 3752561.6, 104.2, 104.2, 0.0);
(418820.4, 3752581.6, 103.6, 103.6, 0.0); (418840.4, 3752501.6, 104.6, 104.6, 0.0);
(418840.4, 3752521.6, 104.8, 104.8, 0.0); (418840.4, 3752541.6, 104.8, 104.8, 0.0);
(418840.4, 3752561.6, 104.6, 104.6, 0.0); (418840.4, 3752581.6, 104.1, 104.1, 0.0);

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     ( 418860.4, 3752501.6,     104.8,     104.8,       0.0);         (
418860.4, 3752521.6,     105.0,     105.0,       0.0);
     ( 418860.4, 3752541.6,     105.1,     105.1,       0.0);         (
418860.4, 3752561.6,     104.9,     104.9,       0.0);
     ( 418860.4, 3752581.6,     104.5,     104.5,       0.0);         (
418880.4, 3752501.6,     104.9,     104.9,       0.0);
     ( 418880.4, 3752521.6,     105.0,     105.0,       0.0);         (
418880.4, 3752541.6,     105.2,     105.2,       0.0);
     ( 418880.4, 3752561.6,     105.1,     105.1,       0.0);         (
418880.4, 3752581.6,     104.9,     104.9,       0.0);
     ( 418900.4, 3752501.6,     104.9,     104.9,       0.0);         (
418900.4, 3752521.6,     105.1,     105.1,       0.0);
     ( 418900.4, 3752541.6,     105.3,     105.3,       0.0);         (
418900.4, 3752561.6,     105.3,     105.3,       0.0);
     ( 418900.4, 3752581.6,     105.2,     105.2,       0.0);         (
418920.4, 3752501.6,     105.1,     105.1,       0.0);
     ( 418920.4, 3752521.6,     105.2,     105.2,       0.0);         (
418920.4, 3752541.6,     105.4,     105.4,       0.0);
     ( 418920.4, 3752561.6,     105.5,     105.5,       0.0);         (
418920.4, 3752581.6,     105.7,     105.7,       0.0);
     ( 418940.4, 3752501.6,     105.2,     110.7,       0.0);         (
418940.4, 3752521.6,     105.3,     105.3,       0.0);
     ( 418940.4, 3752541.6,     105.5,     105.5,       0.0);         (
418940.4, 3752561.6,     105.7,     105.7,       0.0);
     ( 418940.4, 3752581.6,     106.1,     106.1,       0.0);         (
418670.1, 3752514.2,     101.1,     101.1,       0.0);
     ( 418670.1, 3752534.2,     101.1,     101.1,       0.0);         (
418670.1, 3752554.2,     100.7,     100.7,       0.0);
     ( 418670.1, 3752574.2,     100.0,     100.0,       0.0);         (
418690.1, 3752514.2,     101.9,     101.9,       0.0);
     ( 418690.1, 3752534.2,     102.0,     102.0,       0.0);         (
418690.1, 3752554.2,     101.8,     101.8,       0.0);
     ( 418690.1, 3752574.2,     101.1,     101.1,       0.0);         (
418710.1, 3752514.2,     102.4,     102.4,       0.0);
     ( 418710.1, 3752534.2,     102.4,     102.4,       0.0);         (
418710.1, 3752554.2,     102.1,     102.1,       0.0);
     ( 418710.1, 3752574.2,     101.5,     101.5,       0.0);         (
418598.5, 3752483.5,      95.7,      97.0,       0.0);
     ( 418609.3, 3752518.5,      96.9,      96.9,       0.0);         (
418594.6, 3752543.7,      96.8,      96.8,       0.0);
     ( 418456.3, 3752435.6,      93.4,      93.4,       0.0);         (
418456.3, 3752455.6,      94.9,      94.9,       0.0);
     ( 418476.3, 3752435.6,      92.4,      92.4,       0.0);         (
418476.3, 3752455.6,      94.0,      94.0,       0.0);
     ( 418476.3, 3752475.6,      95.6,      95.6,       0.0);         (
418476.3, 3752495.6,      96.6,      96.6,       0.0);
     ( 418496.3, 3752455.6,      93.2,      93.2,       0.0);         (
418496.3, 3752475.6,      95.1,      95.1,       0.0);
     ( 418496.3, 3752495.6,      96.4,      96.4,       0.0);         (
418516.3, 3752475.6,      94.2,      95.5,       0.0);
     ( 418516.3, 3752495.6,      95.8,      95.8,       0.0);         (
418536.3, 3752495.6,      94.8,      96.8,       0.0);
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(418507.3, 3752536.8, 97.8, 97.8, 0.0); (418522.2, 3752535.7, 97.6, 97.6, 0.0);
(418507.8, 3752576.7, 98.2, 98.2, 0.0); (418524.5, 3752577.3, 97.9, 97.9, 0.0);
(418595.9, 3752586.7, 96.9, 96.9, 0.0); (418591.8, 3752574.0, 97.0, 97.0, 0.0);
(418604.8, 3752573.7, 97.0, 97.0, 0.0); (418592.9, 3752532.7, 96.4, 96.4, 0.0);
(418607.8, 3752501.7, 96.8, 96.8, 0.0); (418573.0, 3752668.6, 98.1, 98.1, 0.0);
(418583.0, 3752668.1, 98.0, 98.0, 0.0); (418573.9, 3752653.4, 97.9, 97.9, 0.0);
(418585.8, 3752655.3, 97.8, 97.8, 0.0); (418522.3, 3752645.9, 98.7, 98.7, 0.0);
(418541.7, 3752648.4, 98.4, 98.4, 0.0); (418525.4, 3752663.1, 98.7, 98.7, 0.0);
(418538.4, 3752662.8, 98.5, 98.5, 0.0); (418563.6, 3752712.7, 98.9, 98.9, 0.0);
(418578.0, 3752714.1, 98.9, 98.9, 0.0); (418563.1, 3752730.1, 99.2, 99.2, 0.0);
(418579.4, 3752729.6, 99.1, 99.1, 0.0); (418426.5, 3752650.1, 100.5, 100.5, 0.0);
(418447.0, 3752649.3, 100.2, 100.2, 0.0); (418396.0, 3752664.3, 100.7, 100.7, 0.0);
(418394.6, 3752679.3, 100.5, 100.5, 0.0); (418385.2, 3752737.4, 100.3, 100.3, 0.0);
(418398.5, 3752738.3, 100.4, 100.4, 0.0); (418385.0, 3752754.6, 100.3, 100.3, 0.0);
(418396.6, 3752751.6, 100.4, 100.4, 0.0); (418429.8, 3752730.2, 100.4, 100.4, 0.0);
(418451.7, 3752730.5, 100.4, 100.4, 0.0); (418429.3, 3752751.6, 100.6, 100.6, 0.0);
(418452.3, 3752751.3, 100.7, 100.7, 0.0); (418428.7, 3752770.1, 100.8, 100.8, 0.0);
(418453.4, 3752769.3, 100.9, 100.9, 0.0); (418431.2, 3752799.2, 100.9, 100.9, 0.0);
(418456.7, 3752798.1, 101.0, 101.0, 0.0); (418488.6, 3752815.8, 101.1, 101.1, 0.0);

```
     ( 418488.6, 3752835.8,     101.2,     101.2,       0.0);         (
418488.6, 3752855.8,     101.6,     101.6,       0.0);
     ( 418508.6, 3752815.8,     101.1,     101.1,       0.0);         (
418508.6, 3752835.8,     101.1,     101.1,       0.0);
     ( 418508.6, 3752855.8,     101.3,     101.3,       0.0);         (
418528.6, 3752815.8,     100.8,     100.8,       0.0);
     ( 418528.6, 3752835.8,     100.9,     100.9,       0.0);         (
418528.6, 3752855.8,     101.0,     101.0,       0.0);
     ( 418548.6, 3752815.8,     100.5,     100.5,       0.0);         (
418548.6, 3752835.8,     100.6,     100.6,       0.0);
     ( 418548.6, 3752855.8,     100.8,     100.8,       0.0);         (
418568.6, 3752815.8,     100.2,     100.2,       0.0);
     ( 418568.6, 3752835.8,     100.3,     100.3,       0.0);         (
418568.6, 3752855.8,     100.6,     100.6,       0.0);
     ( 418588.6, 3752815.8,     100.0,     100.0,       0.0);         (
418588.6, 3752835.8,     100.1,     100.1,       0.0);
     ( 418588.6, 3752855.8,     100.4,     100.4,       0.0);         (
418608.6, 3752815.8,      99.8,      99.8,       0.0);
     ( 418608.6, 3752835.8,      99.8,      99.8,       0.0);         (
418608.6, 3752855.8,     100.1,     100.1,       0.0);
     ( 418628.6, 3752835.8,      99.6,      99.6,       0.0);         (
418628.6, 3752855.8,      99.8,      99.8,       0.0);
     ( 418648.6, 3752855.8,      99.2,      99.2,       0.0);         (
418337.3, 3753110.0,     103.3,     103.3,       0.0);
     ( 418348.2, 3753104.8,     103.4,     103.4,       0.0);         (
418123.5, 3753069.9,     108.2,     108.2,       0.0);
     ( 418123.5, 3753089.9,     107.3,     107.3,       0.0);         (
418143.5, 3753049.9,     107.7,     107.7,       0.0);
     ( 418143.5, 3753069.9,     106.9,     106.9,       0.0);         (
418143.5, 3753089.9,     105.9,     105.9,       0.0);
     ( 418163.5, 3753029.9,     107.0,     107.0,       0.0);         (
418163.5, 3753049.9,     106.5,     106.5,       0.0);
     ( 418163.5, 3753069.9,     105.8,     105.8,       0.0);         (
418163.5, 3753089.9,     104.8,     104.8,       0.0);
     ( 418163.5, 3753109.9,     104.3,     104.3,       0.0);         (
418183.5, 3753029.9,     105.3,     105.3,       0.0);
     ( 418183.5, 3753049.9,     105.2,     105.2,       0.0);         (
418183.5, 3753069.9,     104.8,     104.8,       0.0);
     ( 418183.5, 3753089.9,     104.1,     104.1,       0.0);         (
418203.5, 3753049.9,     104.0,     104.0,       0.0);
     ( 418203.5, 3753069.9,     104.0,     104.0,       0.0);         (
418125.0, 3752805.3,     103.9,     103.9,       0.0);
     ( 418136.1, 3752803.1,     103.8,     103.8,       0.0);         (
418132.5, 3752711.5,     103.0,     103.0,       0.0);
     ( 418125.3, 3752698.1,     103.1,     103.1,       0.0);         (
418102.8, 3752717.3,     102.8,     102.8,       0.0);
     ( 418096.0, 3752702.3,     103.0,     103.0,       0.0);         (
418219.2, 3752825.2,     103.1,     103.1,       0.0);
     ( 418222.1, 3752815.4,     103.0,     103.0,       0.0);         (
418349.5, 3753289.0,     106.5,     106.5,       0.0);
     ( 418360.5, 3753293.4,     106.9,     106.9,       0.0);         (
418357.7, 3753274.8,     106.6,     106.6,       0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(418369.0, 3753279.5, 106.9, 106.9, 0.0); (417874.8, 3753026.8, 103.5, 103.5, 0.0);
(417874.8, 3753046.8, 103.4, 103.4, 0.0); (417874.8, 3753146.8, 104.0, 104.0, 0.0);
(417874.8, 3753166.8, 104.4, 104.4, 0.0); (417874.8, 3753186.8, 105.0, 105.0, 0.0);
(417874.8, 3753206.8, 105.5, 108.3, 0.0); (417874.8, 3753226.8, 106.1, 108.3, 0.0);
(417894.8, 3753006.8, 103.7, 103.7, 0.0); (417894.8, 3753026.8, 103.6, 103.6, 0.0);
(417894.8, 3753046.8, 103.5, 103.5, 0.0); (417894.8, 3753066.8, 103.4, 103.4, 0.0);
(417894.8, 3753146.8, 104.2, 104.2, 0.0); (417894.8, 3753166.8, 104.8, 104.8, 0.0);
(417894.8, 3753186.8, 106.0, 106.0, 0.0); (417894.8, 3753206.8, 107.2, 107.2, 0.0);
(417894.8, 3753226.8, 108.2, 108.2, 0.0); (417914.8, 3752986.8, 103.7, 103.7, 0.0);
(417914.8, 3753006.8, 103.9, 103.9, 0.0); (417914.8, 3753026.8, 103.7, 103.7, 0.0);
(417914.8, 3753046.8, 103.5, 103.5, 0.0); (417914.8, 3753066.8, 103.5, 103.5, 0.0);
(417914.8, 3753086.8, 103.5, 103.5, 0.0); (417914.8, 3753146.8, 104.5, 104.5, 0.0);
(417914.8, 3753166.8, 105.5, 105.5, 0.0); (417914.8, 3753186.8, 107.0, 107.0, 0.0);
(417914.8, 3753206.8, 108.0, 108.0, 0.0); (417934.8, 3752986.8, 105.2, 105.2, 0.0);
(417934.8, 3753006.8, 105.1, 105.1, 0.0); (417934.8, 3753026.8, 104.8, 104.8, 0.0);
(417934.8, 3753046.8, 104.4, 104.4, 0.0); (417934.8, 3753066.8, 103.9, 103.9, 0.0);
(417934.8, 3753086.8, 103.8, 103.8, 0.0); (417934.8, 3753106.8, 103.7, 103.7, 0.0);
(417934.8, 3753146.8, 104.7, 104.7, 0.0); (417934.8, 3753166.8, 105.9, 105.9, 0.0);
(417934.8, 3753186.8, 107.4, 107.4, 0.0); (417934.8, 3753206.8, 108.4, 108.4, 0.0);

```
     ( 417954.8, 3753006.8,     106.8,     106.8,       0.0);         (
417954.8, 3753026.8,     106.2,     106.2,       0.0);
     ( 417954.8, 3753046.8,     105.5,     105.5,       0.0);         (
417954.8, 3753066.8,     104.7,     104.7,       0.0);
     ( 417954.8, 3753086.8,     104.2,     104.2,       0.0);         (
417954.8, 3753106.8,     103.9,     103.9,       0.0);
     ( 417954.8, 3753126.8,     104.0,     104.0,       0.0);         (
417954.8, 3753146.8,     104.8,     104.8,       0.0);
     ( 417954.8, 3753166.8,     106.1,     106.1,       0.0);         (
417954.8, 3753186.8,     107.5,     107.5,       0.0);
     ( 417954.8, 3753206.8,     108.5,     108.5,       0.0);         (
417974.8, 3753026.8,     107.5,     107.5,       0.0);
     ( 417974.8, 3753046.8,     106.6,     106.6,       0.0);         (
417974.8, 3753066.8,     105.5,     105.5,       0.0);
     ( 417974.8, 3753086.8,     104.8,     104.8,       0.0);         (
417974.8, 3753106.8,     104.3,     104.3,       0.0);
     ( 417974.8, 3753126.8,     104.2,     104.2,       0.0);         (
417974.8, 3753146.8,     104.9,     104.9,       0.0);
     ( 417974.8, 3753166.8,     106.0,     106.0,       0.0);         (
417974.8, 3753186.8,     107.4,     107.4,       0.0);
     ( 417974.8, 3753206.8,     108.4,     108.4,       0.0);         (
417974.8, 3753226.8,     109.1,     109.1,       0.0);
     ( 417974.8, 3753246.8,     109.2,     109.2,       0.0);         (
417974.8, 3753266.8,     109.2,     109.2,       0.0);
     ( 417974.8, 3753286.8,     109.1,     109.1,       0.0);         (
417994.8, 3753046.8,     107.5,     107.5,       0.0);
     ( 417994.8, 3753066.8,     106.4,     106.4,       0.0);         (
417994.8, 3753086.8,     105.6,     105.6,       0.0);
     ( 417994.8, 3753106.8,     105.0,     105.0,       0.0);         (
417994.8, 3753126.8,     104.8,     104.8,       0.0);
     ( 417994.8, 3753146.8,     105.2,     105.2,       0.0);         (
417994.8, 3753166.8,     106.0,     106.0,       0.0);
     ( 417994.8, 3753186.8,     107.3,     107.3,       0.0);         (
417994.8, 3753206.8,     108.3,     108.3,       0.0);
     ( 417994.8, 3753226.8,     109.1,     109.1,       0.0);         (
417994.8, 3753246.8,     109.2,     109.2,       0.0);
     ( 417994.8, 3753266.8,     109.2,     109.2,       0.0);         (
417994.8, 3753286.8,     109.1,     109.1,       0.0);
     ( 418014.8, 3753046.8,     108.1,     108.1,       0.0);         (
418014.8, 3753066.8,     107.1,     107.1,       0.0);
     ( 418014.8, 3753086.8,     106.4,     106.4,       0.0);         (
418014.8, 3753106.8,     106.0,     106.0,       0.0);
     ( 418014.8, 3753126.8,     105.8,     105.8,       0.0);         (
418014.8, 3753146.8,     106.0,     106.0,       0.0);
     ( 418014.8, 3753166.8,     106.5,     106.5,       0.0);         (
418014.8, 3753186.8,     107.5,     107.5,       0.0);
     ( 418014.8, 3753206.8,     108.4,     108.4,       0.0);         (
418014.8, 3753226.8,     109.1,     109.1,       0.0);
     ( 418014.8, 3753246.8,     109.2,     109.2,       0.0);         (
418014.8, 3753266.8,     109.2,     109.2,       0.0);
     ( 418014.8, 3753286.8,     109.1,     109.1,       0.0);         (
418034.8, 3753066.8,     107.8,     107.8,       0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(418034.8, 3753086.8, 107.3, 107.3, 0.0); (418034.8, 3753106.8, 107.0, 107.0, 0.0);
(418034.8, 3753126.8, 107.0, 107.0, 0.0); (418034.8, 3753146.8, 107.1, 107.1, 0.0);
(418034.8, 3753166.8, 107.3, 107.3, 0.0); (418034.8, 3753186.8, 107.9, 107.9, 0.0);
(418034.8, 3753206.8, 108.5, 108.5, 0.0); (418034.8, 3753226.8, 109.1, 109.1, 0.0);
(418034.8, 3753246.8, 109.1, 109.1, 0.0); (418034.8, 3753266.8, 109.1, 109.1, 0.0);
(418034.8, 3753286.8, 109.1, 109.1, 0.0); (418054.8, 3753066.8, 108.4, 108.4, 0.0);
(418054.8, 3753086.8, 108.1, 108.1, 0.0); (418054.8, 3753106.8, 108.0, 108.0, 0.0);
(418054.8, 3753126.8, 108.1, 108.1, 0.0); (418054.8, 3753146.8, 108.1, 108.1, 0.0);
(418054.8, 3753166.8, 108.2, 108.2, 0.0); (418054.8, 3753186.8, 108.5, 108.5, 0.0);
(418054.8, 3753206.8, 108.7, 108.7, 0.0); (418054.8, 3753226.8, 109.0, 109.0, 0.0);
(418054.8, 3753246.8, 108.9, 108.9, 0.0); (418054.8, 3753266.8, 109.0, 109.0, 0.0);
(418054.8, 3753286.8, 109.1, 109.1, 0.0); (418074.8, 3753066.8, 108.9, 108.9, 0.0);
(418074.8, 3753086.8, 108.9, 108.9, 0.0); (418074.8, 3753106.8, 108.9, 108.9, 0.0);
(418074.8, 3753126.8, 108.9, 108.9, 0.0); (418074.8, 3753146.8, 108.9, 108.9, 0.0);
(418074.8, 3753166.8, 108.9, 108.9, 0.0); (418074.8, 3753186.8, 108.9, 108.9, 0.0);
(418074.8, 3753206.8, 108.8, 108.8, 0.0); (418074.8, 3753226.8, 108.8, 108.8, 0.0);
(418094.8, 3753086.8, 108.6, 108.6, 0.0); (418094.8, 3753106.8, 108.4, 108.4, 0.0);
(418094.8, 3753126.8, 108.2, 108.2, 0.0); (418094.8, 3753146.8, 108.1, 108.1, 0.0);
(418094.8, 3753166.8, 108.0, 108.0, 0.0); (418094.8, 3753186.8, 108.1, 108.1, 0.0);

```
     ( 418094.8, 3753206.8,     108.5,     108.5,       0.0);         (
418094.8, 3753226.8,     108.9,     108.9,       0.0);
     ( 418114.8, 3753086.8,     107.9,     107.9,       0.0);         (
418114.8, 3753106.8,     107.3,     107.3,       0.0);
     ( 418114.8, 3753126.8,     107.0,     107.0,       0.0);         (
418114.8, 3753146.8,     106.8,     106.8,       0.0);
     ( 418114.8, 3753166.8,     106.9,     106.9,       0.0);         (
418114.8, 3753186.8,     107.5,     107.5,       0.0);
     ( 418114.8, 3753206.8,     108.2,     108.2,       0.0);         (
418134.8, 3753106.8,     105.9,     105.9,       0.0);
     ( 418134.8, 3753126.8,     105.6,     105.6,       0.0);         (
418134.8, 3753146.8,     105.6,     105.6,       0.0);
     ( 418134.8, 3753166.8,     105.9,     105.9,       0.0);         (
418134.8, 3753186.8,     106.8,     106.8,       0.0);
     ( 418134.8, 3753206.8,     107.8,     107.8,       0.0);         (
418134.8, 3753226.8,     108.7,     108.7,       0.0);
     ( 418154.8, 3753126.8,     104.3,     104.3,       0.0);         (
418154.8, 3753146.8,     104.5,     104.5,       0.0);
     ( 418154.8, 3753166.8,     105.0,     105.0,       0.0);         (
418154.8, 3753186.8,     106.1,     106.1,       0.0);
     ( 418154.8, 3753206.8,     107.3,     107.3,       0.0);         (
418154.8, 3753226.8,     108.3,     108.3,       0.0);
     ( 418154.8, 3753246.8,     108.7,     108.7,       0.0);         (
418174.8, 3753166.8,     104.4,     104.4,       0.0);
     ( 418174.8, 3753186.8,     105.4,     105.4,       0.0);         (
418174.8, 3753206.8,     106.5,     106.5,       0.0);
     ( 418174.8, 3753226.8,     107.6,     107.6,       0.0);         (
418174.8, 3753246.8,     108.2,     108.2,       0.0);
     ( 418174.8, 3753266.8,     108.6,     108.6,       0.0);         (
418194.8, 3753186.8,     104.8,     104.8,       0.0);
     ( 418194.8, 3753206.8,     105.7,     105.7,       0.0);         (
418194.8, 3753226.8,     106.6,     106.6,       0.0);
     ( 418194.8, 3753246.8,     107.1,     107.1,       0.0);         (
418194.8, 3753266.8,     107.6,     107.6,       0.0);
     ( 418214.8, 3753206.8,     104.8,     104.8,       0.0);         (
418214.8, 3753226.8,     105.4,     105.4,       0.0);
     ( 418214.8, 3753246.8,     105.8,     105.8,       0.0);         (
418214.8, 3753266.8,     106.2,     106.2,       0.0);
     ( 418214.8, 3753286.8,     106.7,     106.7,       0.0);         (
418234.8, 3753246.8,     104.6,     104.6,       0.0);
     ( 418234.8, 3753266.8,     104.8,     104.8,       0.0);         (
418234.8, 3753286.8,     105.1,     105.1,       0.0);
     ( 418254.8, 3753266.8,     103.9,     103.9,       0.0);         (
418420.7, 3753365.5,     109.5,     109.5,       0.0);
     ( 418437.9, 3753367.0,     109.6,     109.6,       0.0);         (
418421.9, 3753345.5,     109.3,     109.3,       0.0);
     ( 418438.1, 3753346.0,     109.4,     109.4,       0.0);         (
418495.4, 3753383.2,     109.8,     109.8,       0.0);
     ( 418500.8, 3753372.8,     110.1,     115.3,       0.0);
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0000012	418757.5	3752874.0	0.90

*** 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 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: KFUL_V9_ADJU_29m\KFUL_v9.SFC
Met Version: 16216
Profile file: KFUL_V9_ADJU_29m\KFUL_v9.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 3166 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2012 Year: 2012

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
12	01	01	1	01	-4.8	0.098	-9.000	-9.000	-999.	74.	18.0	0.26	2.61	1.00	0.96	322.	10.1	283.8	2.0
12	01	01	1	02	-1.9	0.072	-9.000	-9.000	-999.	47.	18.0	0.26	2.61	1.00	0.52	13.	10.1	283.1	2.0
12	01	01	1	03	-3.1	0.083	-9.000	-9.000	-999.	57.	16.3	0.26	2.61	1.00	0.75	73.	10.1	282.0	2.0
12	01	01	1	04	-4.3	0.094	-9.000	-9.000	-999.	69.	17.3	0.26	2.61	1.00	0.91	98.	10.1	281.4	2.0
12	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.26	2.61	1.00	0.00	0.	10.1	280.9	2.0
12	01	01	1	06	-2.1	0.074	-9.000	-9.000	-999.	48.	17.6	0.26	2.61	1.00	0.55	80.	10.1	280.4	2.0
12	01	01	1	07	-2.8	0.080	-9.000	-9.000	-999.	54.	16.3	0.26	2.61	1.00	0.69	201.	10.1	280.4	2.0
12	01	01	1	08	-1.5	0.066	-9.000	-9.000	-999.	41.	17.0	0.26	2.61	0.54	0.52	72.	10.1	280.9	2.0
12	01	01	1	09	37.4	-9.000	-9.000	-9.000	38.	-999.	-99999.0	0.26	2.61	0.31	0.00	0.	10.1	285.9	2.0
12	01	01	1	10	109.1	0.151	0.713	0.008	121.	141.	-2.9	0.26	2.61	0.24	0.79	268.	10.1	289.9	2.0
12	01	01	1	11	160.5	0.148	1.143	0.005	338.	136.	-1.8	0.26	2.61	0.21	0.70	273.	10.1	294.2	2.0
12	01	01	1	12	186.9	0.156	1.483	0.005	634.	148.	-1.8	0.26	2.61	0.20	0.74	230.	10.1	297.5	2.0

```
 12 01 01   1 13  187.4  0.210  1.777  0.005 1088.  231.     -4.5  0.26
2.61   0.20    1.20  227.   10.1  300.4    2.0
 12 01 01   1 14  160.3  0.235  1.833  0.005 1395.  274.     -7.4  0.26
2.61   0.21    1.47  233.   10.1  300.9    2.0
 12 01 01   1 15  109.1  0.197  1.662  0.005 1527.  210.     -6.3  0.26
2.61   0.25    1.20  233.   10.1  302.0    2.0
 12 01 01   1 16   33.3  0.243  1.125  0.005 1548.  288.    -39.2  0.26
2.61   0.33    1.91  229.   10.1  298.1    2.0
 12 01 01   1 17   -9.1  0.141 -9.000 -9.000 -999.  132.     28.3  0.26
2.61   0.60    1.37  212.   10.1  294.2    2.0
 12 01 01   1 18   -4.3  0.094 -9.000 -9.000 -999.   69.     17.5  0.26
2.61   1.00    0.91  190.   10.1  292.0    2.0
 12 01 01   1 19   -2.8  0.079 -9.000 -9.000 -999.   54.     16.3  0.26
2.61   1.00    0.70  302.   10.1  289.2    2.0
 12 01 01   1 20   -4.0  0.091 -9.000 -9.000 -999.   65.     17.0  0.26
2.61   1.00    0.87  338.   10.1  288.1    2.0
 12 01 01   1 21   -6.3  0.113 -9.000 -9.000 -999.   91.     20.5  0.26
2.61   1.00    1.11  304.   10.1  287.0    2.0
 12 01 01   1 22   -3.1  0.082 -9.000 -9.000 -999.   57.     16.3  0.26
2.61   1.00    0.75   76.   10.1  285.4    2.0
 12 01 01   1 23   -2.4  0.076 -9.000 -9.000 -999.   50.     16.7  0.26
2.61   1.00    0.62  306.   10.1  284.9    2.0
 12 01 01   1 24   -3.6  0.087 -9.000 -9.000 -999.   62.     16.6  0.26
2.61   1.00    0.82  318.   10.1  283.8    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 12 01 01 01   10.1 1  322.    0.96   283.8   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): SITE
,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
418694.50	3753025.00	8.44582	418694.50	3753045.00	6.13664
418694.50	3753065.00	4.73024	418714.50	3753025.00	7.86507
418714.50	3753045.00	5.77067	418714.50	3753065.00	4.48622
418714.50	3753085.00	3.61115	418714.50	3753105.00	2.98605
418734.50	3753025.00	6.78642	418734.50	3753045.00	5.14948
418734.50	3753065.00	4.09647	418734.50	3753085.00	3.35166
418734.50	3753105.00	2.80176	418754.50	3753005.00	6.97678
418754.50	3753025.00	5.40133	418754.50	3753045.00	4.35265
418754.50	3753065.00	3.58810	418754.50	3753085.00	3.01180
418774.50	3752985.00	4.82330	418774.50	3753005.00	4.57636
418774.50	3753025.00	4.06310	418774.50	3753045.00	3.52018
418774.50	3753065.00	3.03092	418774.50	3753085.00	2.62096
418794.50	3752965.00	2.67863	418794.50	3752985.00	2.98952
418794.50	3753005.00	3.09544	418794.50	3753025.00	3.00328
418794.50	3753045.00	2.76712			

418814.50 3752965.00 1.89280
418814.50 3752985.00 2.06666
418814.50 3753005.00 2.18676
418814.50 3753025.00 2.20705
418814.50 3753045.00 2.13093
418834.50 3752965.00 1.44269
418834.50 3752985.00 1.54273
418834.50 3753005.00 1.62437
418834.50 3753025.00 1.66266
418834.50 3753045.00 1.65078
418834.50 3753065.00 1.59785
418854.50 3752985.00 1.20631
418854.50 3753005.00 1.25719
418854.50 3753025.00 1.29091
418854.50 3753045.00 1.29968
418854.50 3753065.00 1.28404
418854.50 3753085.00 1.24862
418874.50 3753005.00 1.00451
418874.50 3753025.00 1.02992
418874.50 3753045.00 1.04291
418874.50 3753065.00 1.04264
418874.50 3753085.00 1.03014
418874.50 3753105.00 1.00663
418894.50 3753005.00 0.82241
418894.50 3753025.00 0.84043
418894.50 3753045.00 0.85261
418894.50 3753065.00 0.85778
418894.50 3753085.00 0.85566
418894.50 3753105.00 0.84641
418894.50 3753125.00 0.83062
418914.50 3753045.00 0.71015
418914.50 3753065.00 0.71685
418914.50 3753085.00 0.71908
418914.50 3753105.00 0.71658
418914.50 3753125.00 0.70948
418934.50 3753065.00 0.60566
418934.50 3753085.00 0.60947
418934.50 3753105.00 0.61044
418934.50 3753125.00 0.60837
418934.50 3753145.00 0.60337
418954.50 3753105.00 0.52393
418954.50 3753125.00 0.52438
418954.50 3753145.00 0.52311
418497.54 3753033.99 13.24560
418497.54 3753053.99 7.88241
418497.54 3753073.99 5.05140
418497.54 3753093.99 3.49469
418517.54 3753033.99 12.07350
418517.54 3753053.99 7.76851
418517.54 3753073.99 5.30173
418517.54 3753093.99 3.81245

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): SITE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
418517.54	3753113.99	2.85399	418517.54	3753133.99	2.19463
418537.54	3753033.99	10.85028	418537.54	3753053.99	7.41823
418537.54	3753073.99	5.32018	418537.54	3753093.99	3.95913
418537.54	3753113.99	3.03551	418537.54	3753133.99	2.37963
418537.54	3753153.99	1.91035	418537.54	3753173.99	1.55463
418537.54	3753193.99	1.28060	418557.54	3753013.99	14.15966
418557.54	3753033.99	9.78030	418557.54	3753053.99	6.99913
418557.54	3753073.99	5.21269	418557.54	3753093.99	3.99387
418557.54	3753113.99	3.12857	418557.54	3753133.99	2.50002
418557.54	3753153.99	2.03062	418557.54	3753173.99	1.66977
418557.54	3753193.99	1.38707	418557.54	3753213.99	1.16682
418557.54	3753233.99	0.98829	418577.54	3753013.99	12.48387
418577.54	3753033.99	8.89854	418577.54	3753053.99	6.58602
418577.54	3753073.99	5.04522	418577.54	3753093.99	3.95730
418577.54	3753113.99	3.16129			

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418577.54    3753133.99        2.56463
         418577.54    3753153.99        2.10895
418577.54    3753173.99        1.75428
         418577.54    3753193.99        1.47019
418577.54    3753213.99        1.24730
         418577.54    3753233.99        1.06504
418577.54    3753253.99        0.91495
         418577.54    3753273.99        0.78869
418597.54    3753013.99       11.23536
         418597.54    3753033.99        8.20796
418597.54    3753053.99        6.22190
         418597.54    3753073.99        4.86313
418597.54    3753093.99        3.88258
         418597.54    3753113.99        3.15112
418597.54    3753133.99        2.59189
         418597.54    3753153.99        2.15575
418597.54    3753173.99        1.80892
         418597.54    3753193.99        1.53166
418597.54    3753213.99        1.30830
         418597.54    3753233.99        1.12357
418597.54    3753253.99        0.97097
         418597.54    3753273.99        0.84545
418597.54    3753293.99        0.73953
         418617.54    3753013.99       10.47125
418617.54    3753033.99        7.72372
         418617.54    3753053.99        5.93595
418617.54    3753073.99        4.69718
         418617.54    3753093.99        3.79496
418617.54    3753113.99        3.11589
         418617.54    3753133.99        2.59109
418617.54    3753153.99        2.17596
         418617.54    3753173.99        1.84135
418617.54    3753193.99        1.57198
         418617.54    3753213.99        1.35176
418617.54    3753233.99        1.16831
         418617.54    3753253.99        1.01450
418617.54    3753273.99        0.88790
         418617.54    3753293.99        0.78101
418637.54    3753013.99       10.18274
         418637.54    3753033.99        7.46336
418637.54    3753053.99        5.74390
         418637.54    3753073.99        4.56408
418637.54    3753093.99        3.71006
         418637.54    3753113.99        3.06830
418637.54    3753133.99        2.57151
         418637.54    3753153.99        2.17586
418637.54    3753173.99        1.85477
         418637.54    3753193.99        1.59341
418637.54    3753213.99        1.37883
         418637.54    3753233.99        1.19972
418637.54    3753253.99        1.04817
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): SITE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
418637.54	3753273.99	0.92197	418637.54	3753293.99	0.81382
418657.54	3752653.99	0.30641	418657.54	3752673.99	0.35531
418657.54	3752693.99	0.41642	418657.54	3752713.99	0.49417
418657.54	3753013.99	10.35872	418657.54	3753033.99	7.43399
418657.54	3753053.99	5.64477	418657.54	3753073.99	4.46481
418657.54	3753093.99	3.63165	418657.54	3753113.99	3.01359
418657.54	3753133.99	2.53829	418657.54	3753153.99	2.16003
418657.54	3753173.99	1.85193	418657.54	3753193.99	1.59927
418657.54	3753213.99	1.39173	418657.54	3753233.99	1.21747
418657.54	3753253.99	1.07001	418657.54	3753273.99	0.94448
418677.54	3752653.99	0.30621	418677.54	3752673.99	0.35405
418677.54	3752693.99	0.41344	418677.54	3752713.99	0.48864
418677.54	3752733.99	0.58551	418677.54	3752753.99	0.71323
418677.54	3753053.99	5.55758	418677.54	3753073.99	4.37109
418677.54	3753093.99	3.54954			

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418677.54    3753113.99        2.94832
         418677.54    3753133.99        2.49081
418677.54    3753153.99        2.12862
         418677.54    3753173.99        1.83371
418677.54    3753193.99        1.59149
         418677.54    3753213.99        1.39199
418677.54    3753233.99        1.22331
         418677.54    3753253.99        1.08024
418677.54    3753273.99        0.95829
         418697.54    3752653.99        0.30400
418697.54    3752673.99        0.35029
         418697.54    3752693.99        0.40744
418697.54    3752713.99        0.47898
         418697.54    3752733.99        0.57020
418697.54    3752753.99        0.68896
         418697.54    3752773.99        0.84642
418697.54    3752793.99        1.06108
         418697.54    3753093.99        3.44067
418697.54    3753113.99        2.86152
         418697.54    3753133.99        2.42390
418697.54    3753153.99        2.07907
         418697.54    3753173.99        1.79920
418697.54    3753193.99        1.56924
         418697.54    3753213.99        1.37916
418697.54    3753233.99        1.21801
         418697.54    3753253.99        1.08063
418697.54    3753273.99        0.96312
         418717.54    3752653.99        0.30002
418717.54    3752673.99        0.34439
         418717.54    3752693.99        0.39886
418717.54    3752713.99        0.46586
         418717.54    3752733.99        0.55013
418717.54    3752753.99        0.65821
         418717.54    3752773.99        0.79970
418717.54    3752793.99        0.98737
         418717.54    3752813.99        1.24018
418717.54    3752833.99        1.58847
         418717.54    3753133.99        2.33015
418717.54    3753153.99        2.00746
         418717.54    3753173.99        1.74657
418717.54    3753193.99        1.53188
         418717.54    3753213.99        1.35297
418717.54    3753233.99        1.20093
         418717.54    3753253.99        1.07076
418717.54    3753273.99        0.95888
         418737.54    3752653.99        0.29456
418737.54    3752673.99        0.33677
         418737.54    3752693.99        0.38820
418737.54    3752713.99        0.45047
         418737.54    3752733.99        0.52751
418737.54    3752753.99        0.62414
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): SITE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
418737.54	3752773.99	0.74803	418737.54	3752793.99	0.90821
418737.54	3752813.99	1.11807	418737.54	3752833.99	1.39174
418737.54	3752853.99	1.75107	418737.54	3753113.99	2.57127
418737.54	3753133.99	2.20367	418737.54	3753153.99	1.91159
418737.54	3753173.99	1.67495	418737.54	3753193.99	1.47872
418737.54	3753213.99	1.31304	418737.54	3753233.99	1.17201
418737.54	3753253.99	1.05060	418737.54	3753273.99	0.94532
418757.54	3752653.99	0.28760	418757.54	3752673.99	0.32721
418757.54	3752693.99	0.37500	418757.54	3752713.99	0.43226
418757.54	3752733.99	0.50222	418757.54	3752753.99	0.58869
418757.54	3752773.99	0.69670	418757.54	3752793.99	0.83186
418757.54	3752813.99	1.00115	418757.54	3752833.99	1.21733
418757.54	3752853.99	1.49096	418757.54	3752873.99	1.83601
418757.54	3753113.99	2.35700	418757.54	3753133.99	2.04509
418757.54	3753153.99	1.79260			

418757.54 3753173.99 1.58428
418757.54 3753193.99 1.40926
418757.54 3753213.99 1.25999
418757.54 3753233.99 1.13200
418757.54 3753253.99 1.02079
418777.54 3752653.99 0.27939
418777.54 3752673.99 0.31623
418777.54 3752693.99 0.36018
418777.54 3752713.99 0.41241
418777.54 3752733.99 0.47535
418777.54 3752753.99 0.55186
418777.54 3752773.99 0.64519
418777.54 3752793.99 0.75863
418777.54 3752813.99 0.89544
418777.54 3752833.99 1.06584
418777.54 3752853.99 1.27452
418777.54 3752873.99 1.52672
418777.54 3753093.99 2.40692
418777.54 3753113.99 2.10893
418777.54 3753133.99 1.86069
418777.54 3753153.99 1.65280
418777.54 3753173.99 1.47653
418777.54 3753193.99 1.32558
418777.54 3753213.99 1.19516
418777.54 3753233.99 1.08170
418777.54 3753253.99 0.98184
418797.54 3752653.99 0.27020
418797.54 3752673.99 0.30417
418797.54 3752693.99 0.34425
418797.54 3752713.99 0.39147
418797.54 3752733.99 0.44758
418797.54 3752753.99 0.51459
418797.54 3752773.99 0.59469
418797.54 3752793.99 0.68989
418797.54 3752813.99 0.80170
418797.54 3752833.99 0.93601
418797.54 3752853.99 1.09462
418797.54 3752873.99 1.27859
418797.54 3752893.99 1.49344
418797.54 3753073.99 2.29452
418797.54 3753093.99 2.05728
418797.54 3753113.99 1.84681
418797.54 3753133.99 1.66147
418797.54 3753153.99 1.49877
418797.54 3753173.99 1.35615
418797.54 3753193.99 1.23086
418797.54 3753213.99 1.12055
418797.54 3753233.99 1.02244
418817.54 3752653.99 0.26029
418817.54 3752673.99 0.29137
418817.54 3752693.99 0.32763

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): SITE
,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
418817.54	3752713.99	0.36996	418817.54	3752733.99	0.41954
418817.54	3752753.99	0.47770	418817.54	3752773.99	0.54596
418817.54	3752793.99	0.62566	418817.54	3752813.99	0.71789
418817.54	3752833.99	0.82417	418817.54	3752853.99	0.94490
418817.54	3752873.99	1.07814	418817.54	3752893.99	1.22822
418817.54	3752913.99	1.39157	418817.54	3753073.99	1.86974
418817.54	3753093.99	1.72828	418817.54	3753113.99	1.59037
418817.54	3753133.99	1.46000	418817.54	3753153.99	1.33914
418817.54	3753173.99	1.22926	418817.54	3753193.99	1.12944
418817.54	3753213.99	1.03881	418837.54	3752653.99	0.24987
418837.54	3752673.99	0.27814	418837.54	3752693.99	0.31072
418837.54	3752713.99	0.34834	418837.54	3752733.99	0.39178
418837.54	3752753.99	0.44188	418837.54	3752773.99	0.49952
418837.54	3752793.99	0.56556	418837.54	3752813.99	0.64067
418837.54	3752833.99	0.72468			

418837.54 3752853.99 0.81695
418837.54 3752873.99 0.91669
418837.54 3752893.99 1.02551
418837.54 3752913.99 1.13842
418837.54 3753093.99 1.43849
418837.54 3753113.99 1.35406
418837.54 3753133.99 1.26776
418837.54 3753153.99 1.18284
418837.54 3753173.99 1.10157
418837.54 3753193.99 1.02467
418857.54 3752653.99 0.23917
418857.54 3752673.99 0.26472
418857.54 3752693.99 0.29383
418857.54 3752713.99 0.32701
418857.54 3752733.99 0.36482
418857.54 3752753.99 0.40782
418857.54 3752773.99 0.45636
418857.54 3752793.99 0.51094
418857.54 3752813.99 0.57175
418857.54 3752833.99 0.63835
418857.54 3752853.99 0.70978
418857.54 3752873.99 0.78498
418857.54 3752893.99 0.86391
418857.54 3752913.99 0.94263
418857.54 3752933.99 1.01502
418857.54 3753093.99 1.19382
418857.54 3753113.99 1.14586
418857.54 3753133.99 1.09191
418857.54 3753153.99 1.03509
418857.54 3753173.99 0.97760
418877.54 3752653.99 0.22835
418877.54 3752673.99 0.25134
418877.54 3752693.99 0.27723
418877.54 3752713.99 0.30634
418877.54 3752733.99 0.33912
418877.54 3752753.99 0.37590
418877.54 3752773.99 0.41682
418877.54 3752793.99 0.46200
418877.54 3752813.99 0.51132
418877.54 3752833.99 0.56435
418877.54 3752853.99 0.62006
418877.54 3752873.99 0.67712
418877.54 3752893.99 0.73471
418877.54 3752913.99 0.79041
418877.54 3752933.99 0.84142
418877.54 3753133.99 0.93658
418877.54 3753153.99 0.90038
418877.54 3753173.99 0.86142
418877.54 3753193.99 0.82091
418897.54 3752653.99 0.21758
418897.54 3752673.99 0.23818

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): SITE
,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
418897.54	3752693.99	0.26111	418897.54	3752713.99	0.28657
418897.54	3752733.99	0.31489	418897.54	3752753.99	0.34628
418897.54	3752773.99	0.38072	418897.54	3752793.99	0.41808
418897.54	3752813.99	0.45807	418897.54	3752833.99	0.50043
418897.54	3752853.99	0.54425	418897.54	3752873.99	0.58818
418897.54	3752893.99	0.63085	418897.54	3752913.99	0.67103
418897.54	3752933.99	0.70746	418897.54	3752953.99	0.73891
418897.54	3753173.99	0.75556	418897.54	3753193.99	0.72782
418917.54	3752653.99	0.20696	418917.54	3752673.99	0.22536
418917.54	3752693.99	0.24565	418917.54	3752713.99	0.26737
418917.54	3752733.99	0.29130	418917.54	3752753.99	0.31835
418917.54	3752773.99	0.34679	418917.54	3752793.99	0.37667
418917.54	3752813.99	0.40751	418917.54	3752833.99	0.44134
418917.54	3752853.99	0.47858	418917.54	3752873.99	0.51373
418917.54	3752893.99	0.54639			

418917.54 3752913.99 0.57619
418917.54 3752933.99 0.60234
418917.54 3752953.99 0.62510
418917.54 3752973.99 0.64451
418917.54 3753193.99 0.64311
418917.54 3753213.99 0.62304
418937.54 3752653.99 0.19662
418937.54 3752673.99 0.21307
418937.54 3752693.99 0.23047
418937.54 3752713.99 0.24879
418937.54 3752733.99 0.26928
418937.54 3752753.99 0.29196
418937.54 3752773.99 0.31510
418937.54 3752793.99 0.33957
418937.54 3752813.99 0.36514
418937.54 3752833.99 0.39186
418937.54 3752853.99 0.42065
418937.54 3752873.99 0.45104
418937.54 3752893.99 0.47678
418937.54 3752913.99 0.49969
418937.54 3752933.99 0.51895
418937.54 3752953.99 0.53529
418937.54 3752973.99 0.54917
418937.54 3752993.99 0.56164
418937.54 3753213.99 0.55402
418957.54 3752653.99 0.18631
418957.54 3752673.99 0.20061
418957.54 3752693.99 0.21583
418957.54 3752713.99 0.23191
418957.54 3752733.99 0.24961
418957.54 3752753.99 0.26885
418957.54 3752773.99 0.28825
418957.54 3752793.99 0.30872
418957.54 3752813.99 0.33014
418957.54 3752833.99 0.35191
418957.54 3752853.99 0.37410
418957.54 3752873.99 0.39691
418957.54 3752893.99 0.41924
418957.54 3752913.99 0.43720
418957.54 3752933.99 0.45195
418957.54 3752953.99 0.46402
418957.54 3752973.99 0.47392
418957.54 3752993.99 0.48271
418957.54 3753013.99 0.49039
418957.54 3753033.99 0.49717
418957.54 3753213.99 0.49196
418977.54 3752653.99 0.17608
418977.54 3752673.99 0.18885
418977.54 3752693.99 0.20241
418977.54 3752713.99 0.21662
418977.54 3752733.99 0.23196

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): SITE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
418977.54	3752753.99	0.24831	418977.54	3752773.99	0.26479
418977.54	3752793.99	0.28205	418977.54	3752813.99	0.29997
418977.54	3752833.99	0.31802	418977.54	3752853.99	0.33559
418977.54	3752873.99	0.35223	418977.54	3752893.99	0.37162
418977.54	3752913.99	0.38559	418977.54	3752933.99	0.39724
418977.54	3752953.99	0.40653	418977.54	3752973.99	0.41380
418977.54	3752993.99	0.41934	418977.54	3753013.99	0.42433
418977.54	3753033.99	0.42875	418977.54	3753053.99	0.43408
418997.54	3752653.99	0.16650	418997.54	3752673.99	0.17791
418997.54	3752693.99	0.19003	418997.54	3752713.99	0.20270
418997.54	3752733.99	0.21600	418997.54	3752753.99	0.22984
418997.54	3752773.99	0.24376	418997.54	3752793.99	0.25826
418997.54	3752813.99	0.27319	418997.54	3752833.99	0.28833
418997.54	3752853.99	0.30269	418997.54	3752873.99	0.31567
418997.54	3752893.99	0.32999			

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418997.54    3752913.99        0.34268
         418997.54    3752933.99        0.35180
418997.54    3752953.99        0.35907
         418997.54    3752973.99        0.36449
418997.54    3752993.99        0.36409
         418997.54    3753013.99        0.36074
418997.54    3753033.99        0.35845
         418997.54    3753053.99        0.36470
418997.54    3753073.99        0.37862
         418997.54    3753093.99        0.38531
418997.54    3753113.99        0.38830
         418997.54    3753133.99        0.39036
419017.54    3752653.99        0.15743
         419017.54    3752673.99        0.16751
419017.54    3752693.99        0.17817
         419017.54    3752713.99        0.18928
419017.54    3752733.99        0.20087
         419017.54    3752753.99        0.21287
419017.54    3752773.99        0.22495
         419017.54    3752793.99        0.23726
419017.54    3752813.99        0.24968
         419017.54    3752833.99        0.26244
419017.54    3752853.99        0.27442
         419017.54    3752873.99        0.28506
419017.54    3752893.99        0.29591
         419017.54    3752913.99        0.30581
419017.54    3752933.99        0.31400
         419017.54    3752953.99        0.31953
419017.54    3752973.99        0.32145
         419017.54    3752993.99        0.31856
419017.54    3753013.99        0.31721
         419017.54    3753033.99        0.31674
419017.54    3753053.99        0.31893
         419017.54    3753073.99        0.32789
419017.54    3753093.99        0.33870
         419017.54    3753113.99        0.34157
419017.54    3753133.99        0.34366
         419017.54    3753153.99        0.34502
419017.54    3753173.99        0.34629
         419037.54    3752653.99        0.14852
419037.54    3752673.99        0.15740
         419037.54    3752693.99        0.16680
419037.54    3752713.99        0.17660
         419037.54    3752733.99        0.18681
419037.54    3752753.99        0.19733
         419037.54    3752773.99        0.20798
419037.54    3752793.99        0.21863
         419037.54    3752813.99        0.22911
419037.54    3752833.99        0.23988
         419037.54    3752853.99        0.24991
419037.54    3752873.99        0.25873
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): SITE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
419037.54	3752893.99	0.26698	419037.54	3752913.99	0.27431
419037.54	3752933.99	0.28066	419037.54	3752953.99	0.28443
419037.54	3752973.99	0.28575	419037.54	3752993.99	0.28362
419037.54	3753013.99	0.28299	419037.54	3753033.99	0.28051
419037.54	3753053.99	0.28369	419037.54	3753073.99	0.28970
419037.54	3753093.99	0.30013	419037.54	3753113.99	0.30253
419037.54	3753133.99	0.30437	419037.54	3753153.99	0.30571
419037.54	3753173.99	0.30732	419057.54	3752653.99	0.14055
419057.54	3752673.99	0.14845	419057.54	3752693.99	0.15677
419057.54	3752713.99	0.16544	419057.54	3752733.99	0.17440
419057.54	3752753.99	0.18357	419057.54	3752773.99	0.19278
419057.54	3752793.99	0.20187	419057.54	3752813.99	0.21069
419057.54	3752833.99	0.21969	419057.54	3752853.99	0.22799
419057.54	3752873.99	0.23526	419057.54	3752893.99	0.24165
419057.54	3752913.99	0.24727			

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419057.54    3752933.99        0.25226
         419057.54    3752953.99        0.25510
419057.54    3752973.99        0.25617
         419057.54    3752993.99        0.25498
419057.54    3753013.99        0.25469
         419057.54    3753033.99        0.25465
419057.54    3753053.99        0.25491
         419057.54    3753073.99        0.25851
419057.54    3753093.99        0.26539
         419057.54    3753113.99        0.26955
419057.54    3753133.99        0.27108
         419057.54    3753153.99        0.27233
419057.54    3753173.99        0.27385
         419057.54    3753193.99        0.27526
419077.54    3752653.99        0.13332
         419077.54    3752673.99        0.14038
419077.54    3752693.99        0.14774
         419077.54    3752713.99        0.15542
419077.54    3752733.99        0.16327
         419077.54    3752753.99        0.17121
419077.54    3752773.99        0.17899
         419077.54    3752873.99        0.21424
419077.54    3752893.99        0.21931
         419077.54    3752913.99        0.22381
419077.54    3752933.99        0.22799
         419077.54    3752953.99        0.23017
419077.54    3752973.99        0.23102
         419077.54    3752993.99        0.23059
419077.54    3753013.99        0.23050
         419077.54    3753033.99        0.23045
419077.54    3753053.99        0.23049
         419077.54    3753073.99        0.23201
419077.54    3753093.99        0.23485
         419077.54    3753113.99        0.23876
419077.54    3753133.99        0.24218
         419077.54    3753153.99        0.24408
419077.54    3753173.99        0.24525
         419077.54    3753193.99        0.24679
419097.54    3752873.99        0.19591
         419097.54    3752893.99        0.20014
419097.54    3752913.99        0.20386
         419097.54    3752933.99        0.20730
419097.54    3752953.99        0.20899
         419097.54    3752973.99        0.20973
419097.54    3752993.99        0.20984
         419097.54    3753013.99        0.20993
419097.54    3753033.99        0.20989
         419097.54    3753053.99        0.20982
419097.54    3753073.99        0.21023
         419097.54    3753093.99        0.21117
419097.54    3753113.99        0.21290
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): SITE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
419097.54	3753133.99	0.21509	419097.54	3753153.99	0.21770
419097.54	3753173.99	0.21898	418760.41	3752501.60	0.12942
418760.41	3752521.60	0.14151	418760.41	3752541.60	0.15534
418760.41	3752561.60	0.17124	418760.41	3752581.60	0.18959
418780.41	3752501.60	0.12843	418780.41	3752521.60	0.14017
418780.41	3752541.60	0.15356	418780.41	3752561.60	0.16889
418780.41	3752581.60	0.18651	418800.41	3752501.60	0.12711
418800.41	3752521.60	0.13846	418800.41	3752541.60	0.15134
418800.41	3752561.60	0.16602	418800.41	3752581.60	0.18283
418820.41	3752501.60	0.12549	418820.41	3752521.60	0.13640
418820.41	3752541.60	0.14873	418820.41	3752561.60	0.16272
418820.41	3752581.60	0.17866	418840.41	3752501.60	0.12359
418840.41	3752521.60	0.13404	418840.41	3752541.60	0.14578
418840.41	3752561.60	0.15905	418840.41	3752581.60	0.17408
418860.41	3752501.60	0.12146			

418860.41 3752521.60 0.13141
418860.41 3752541.60 0.14255
418860.41 3752561.60 0.15507
418860.41 3752581.60 0.16917
418880.41 3752501.60 0.11911
418880.41 3752521.60 0.12855
418880.41 3752541.60 0.13908
418880.41 3752561.60 0.15084
418880.41 3752581.60 0.16401
418900.41 3752501.60 0.11658
418900.41 3752521.60 0.12552
418900.41 3752541.60 0.13542
418900.41 3752561.60 0.14643
418900.41 3752581.60 0.15868
418920.41 3752501.60 0.11391
418920.41 3752521.60 0.12233
418920.41 3752541.60 0.13162
418920.41 3752561.60 0.14189
418920.41 3752581.60 0.15324
418940.41 3752501.60 0.11112
418940.41 3752521.60 0.11904
418940.41 3752541.60 0.12773
418940.41 3752561.60 0.13727
418940.41 3752581.60 0.14776
418670.13 3752514.19 0.13685
418670.13 3752534.19 0.15088
418670.13 3752554.19 0.16717
418670.13 3752574.19 0.18620
418690.13 3752514.19 0.13765
418690.13 3752534.19 0.15166
418690.13 3752554.19 0.16790
418690.13 3752574.19 0.18683
418710.13 3752514.19 0.13797
418710.13 3752534.19 0.15183
418710.13 3752554.19 0.16787
418710.13 3752574.19 0.18653
418598.52 3752483.46 0.11277
418609.32 3752518.47 0.13402
418594.64 3752543.74 0.14998
418456.33 3752435.62 0.07792
418456.33 3752455.62 0.08407
418476.33 3752435.62 0.08001
418476.33 3752455.62 0.08646
418476.33 3752475.62 0.09374
418476.33 3752495.62 0.10197
418496.33 3752455.62 0.08881
418496.33 3752475.62 0.09648
418496.33 3752495.62 0.10512
418516.33 3752475.62 0.09905
418516.33 3752495.62 0.10813
418536.33 3752495.62 0.11091

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): SITE
,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
418507.28	3752536.85	0.12934	418522.23	3752535.74	0.13161
418507.83	3752576.74	0.15914	418524.45	3752577.30	0.16405
418595.92	3752586.72	0.19020	418591.77	3752573.97	0.17604
418604.79	3752573.70	0.17803	418592.88	3752532.70	0.14146
418607.84	3752501.67	0.12363	418573.04	3752668.65	0.32319
418583.02	3752668.10	0.32568	418573.87	3752653.42	0.28795
418585.79	3752655.35	0.29630	418522.35	3752645.94	0.25171
418541.74	3752648.43	0.26500	418525.39	3752663.11	0.28725
418538.41	3752662.83	0.29335	418563.62	3752712.70	0.46906
418578.03	3752714.08	0.48374	418563.07	3752730.15	0.55962
418579.42	3752729.60	0.56649	418426.49	3752650.09	0.21138
418446.99	3752649.26	0.22016	418396.03	3752664.30	0.21773
418394.64	3752679.26	0.24196	418385.22	3752737.44	0.38789
418398.52	3752738.27	0.40672	418384.95	3752754.62	0.46059
418396.58	3752751.57	0.46324			

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418429.83    3752730.24        0.41249
         418451.71    3752730.52        0.44146
418429.27    3752751.57        0.51695
         418452.27    3752751.29        0.55657
418428.72    3752770.13        0.64428
         418453.38    3752769.30        0.70005
418431.21    3752799.22        0.98145
         418456.70    3752798.11        1.08906
418488.56    3752815.77        1.71160
         418488.56    3752835.77        2.69902
418488.56    3752855.77        4.91833
         418508.56    3752815.77        1.81039
418508.56    3752835.77        2.84716
         418508.56    3752855.77        5.13594
418528.56    3752815.77        1.87448
         418528.56    3752835.77        2.93603
418528.56    3752855.77        5.27391
         418548.56    3752815.77        1.90898
418548.56    3752835.77        2.97832
         418548.56    3752855.77        5.34311
418568.56    3752815.77        1.91623
         418568.56    3752835.77        2.97599
418568.56    3752855.77        5.34093
         418588.56    3752815.77        1.89840
418588.56    3752835.77        2.92799
         418588.56    3752855.77        5.23714
418608.56    3752815.77        1.85693
         418608.56    3752835.77        2.82724
418608.56    3752855.77        5.00551
         418628.56    3752835.77        2.67725
418628.56    3752855.77        4.65815
         418648.56    3752855.77        4.16260
418337.32    3753110.04        0.58015
         418348.21    3753104.77        0.65138
418123.53    3753069.93        0.26197
         418123.53    3753089.93        0.24300
418143.53    3753049.93        0.30590
         418143.53    3753069.93        0.28375
418143.53    3753089.93        0.26119
         418163.53    3753029.93        0.35795
418163.53    3753049.93        0.33328
         418163.53    3753069.93        0.30748
418163.53    3753089.93        0.28158
         418163.53    3753109.93        0.25646
418183.53    3753029.93        0.39349
         418183.53    3753049.93        0.36451
418183.53    3753069.93        0.33448
         418183.53    3753089.93        0.30464
418203.53    3753049.93        0.40054
         418203.53    3753069.93        0.36543
418124.99    3752805.35        0.26812
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): SITE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
418136.07	3752803.07	0.27636	418132.49	3752711.46	0.17525
418125.32	3752698.09	0.16092	418102.82	3752717.33	0.16904
418095.98	3752702.33	0.15486	418219.21	3752825.23	0.43076
418222.14	3752815.45	0.41446	418349.45	3753288.96	0.21494
418360.53	3753293.43	0.22277	418357.70	3753274.82	0.23959
418369.01	3753279.54	0.24889	417874.79	3753026.77	0.13608
417874.79	3753046.77	0.13168	417874.79	3753146.77	0.10417
417874.79	3753166.77	0.09834	417874.79	3753186.77	0.09261
417874.79	3753206.77	0.08704	417874.79	3753226.77	0.08168
417894.79	3753006.77	0.14740	417894.79	3753026.77	0.14326
417894.79	3753046.77	0.13843	417894.79	3753066.77	0.13303
417894.79	3753146.77	0.10849	417894.79	3753166.77	0.10220
417894.79	3753186.77	0.09604	417894.79	3753206.77	0.09007
417894.79	3753226.77	0.08412	417914.79	3752986.77	0.15933
417914.79	3753006.77	0.15566			

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417914.79    3753026.77        0.15109
         417914.79    3753046.77        0.14577
417914.79    3753066.77        0.13984
         417914.79    3753086.77        0.13347
417914.79    3753146.77        0.11311
         417914.79    3753166.77        0.10632
417914.79    3753186.77        0.09968
         417914.79    3753206.77        0.09310
417934.79    3752986.77        0.16880
         417934.79    3753006.77        0.16473
417934.79    3753026.77        0.15968
         417934.79    3753046.77        0.15380
417934.79    3753066.77        0.14726
         417934.79    3753086.77        0.14026
417934.79    3753106.77        0.13295
         417934.79    3753146.77        0.11805
417934.79    3753166.77        0.11071
         417934.79    3753186.77        0.10356
417934.79    3753206.77        0.09631
         417954.79    3753006.77        0.17467
417954.79    3753026.77        0.16907
         417954.79    3753046.77        0.16257
417954.79    3753066.77        0.15535
         417954.79    3753086.77        0.14763
417954.79    3753106.77        0.13961
         417954.79    3753126.77        0.13147
417954.79    3753146.77        0.12336
         417954.79    3753166.77        0.11541
417954.79    3753186.77        0.10771
         417954.79    3753206.77        0.09988
417974.79    3753026.77        0.17937
         417974.79    3753046.77        0.17216
417974.79    3753066.77        0.16418
         417974.79    3753086.77        0.15566
417974.79    3753106.77        0.14683
         417974.79    3753126.77        0.13791
417974.79    3753146.77        0.12907
         417974.79    3753166.77        0.12044
417974.79    3753186.77        0.11213
         417974.79    3753206.77        0.10377
417974.79    3753226.77        0.09599
         417974.79    3753246.77        0.08910
417974.79    3753266.77        0.08278
         417974.79    3753286.77        0.07700
417994.79    3753046.77        0.18269
         417994.79    3753066.77        0.17383
417994.79    3753086.77        0.16441
         417994.79    3753106.77        0.15468
417994.79    3753126.77        0.14489
         417994.79    3753146.77        0.13523
417994.79    3753166.77        0.12585
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): SITE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
417994.79	3753186.77	0.11686	417994.79	3753206.77	0.10788
417994.79	3753226.77	0.09951	417994.79	3753246.77	0.09218
417994.79	3753266.77	0.08551	417994.79	3753286.77	0.07945
418014.79	3753046.77	0.19409	418014.79	3753066.77	0.18443
418014.79	3753086.77	0.17397	418014.79	3753106.77	0.16323
418014.79	3753126.77	0.15245	418014.79	3753146.77	0.14187
418014.79	3753166.77	0.13166	418014.79	3753186.77	0.12194
418014.79	3753206.77	0.11223	418014.79	3753226.77	0.10330
418014.79	3753246.77	0.09553	418014.79	3753266.77	0.08847
418014.79	3753286.77	0.08209	418034.79	3753066.77	0.19603
418034.79	3753086.77	0.18445	418034.79	3753106.77	0.17253
418034.79	3753126.77	0.16064	418034.79	3753146.77	0.14904
418034.79	3753166.77	0.13791	418034.79	3753186.77	0.12712
418034.79	3753206.77	0.11680	418034.79	3753226.77	0.10740
418034.79	3753246.77	0.09917			

418034.79 3753266.77 0.09168
418034.79 3753286.77 0.08491
418054.79 3753066.77 0.20845
418054.79 3753086.77 0.19553
418054.79 3753106.77 0.18235
418054.79 3753126.77 0.16912
418054.79 3753146.77 0.15630
418054.79 3753166.77 0.14404
418054.79 3753186.77 0.13246
418054.79 3753206.77 0.12168
418054.79 3753226.77 0.11183
418054.79 3753246.77 0.10310
418054.79 3753266.77 0.09514
418054.79 3753286.77 0.08794
418074.79 3753066.77 0.22223
418074.79 3753086.77 0.20747
418074.79 3753106.77 0.19260
418074.79 3753126.77 0.17796
418074.79 3753146.77 0.16391
418074.79 3753166.77 0.15065
418074.79 3753186.77 0.13832
418074.79 3753206.77 0.12698
418074.79 3753226.77 0.11664
418094.79 3753086.77 0.22170
418094.79 3753106.77 0.20534
418094.79 3753126.77 0.18929
418094.79 3753146.77 0.17399
418094.79 3753166.77 0.15953
418094.79 3753186.77 0.14588
418094.79 3753206.77 0.13318
418094.79 3753226.77 0.12173
418114.79 3753086.77 0.23830
418114.79 3753106.77 0.22001
418114.79 3753126.77 0.20192
418114.79 3753146.77 0.18476
418114.79 3753166.77 0.16875
418114.79 3753186.77 0.15404
418114.79 3753206.77 0.13991
418134.79 3753106.77 0.23529
418134.79 3753126.77 0.21504
418134.79 3753146.77 0.19598
418134.79 3753166.77 0.17837
418134.79 3753186.77 0.16228
418134.79 3753206.77 0.14747
418134.79 3753226.77 0.13352
418154.79 3753126.77 0.22954
418154.79 3753146.77 0.20834
418154.79 3753166.77 0.18893
418154.79 3753186.77 0.17137
418154.79 3753206.77 0.15565
418154.79 3753226.77 0.14077

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): SITE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
418154.79	3753246.77	0.12812	418174.79	3753166.77	0.20063
418174.79	3753186.77	0.18143	418174.79	3753206.77	0.16438
418174.79	3753226.77	0.14940	418174.79	3753246.77	0.13544
418174.79	3753266.77	0.12362	418194.79	3753186.77	0.19264
418194.79	3753206.77	0.17414	418194.79	3753226.77	0.15797
418194.79	3753246.77	0.14392	418194.79	3753266.77	0.13173
418214.79	3753206.77	0.18515	418214.79	3753226.77	0.16771
418214.79	3753246.77	0.15264	418214.79	3753266.77	0.13958
418214.79	3753286.77	0.12824	418234.79	3753246.77	0.16259
418234.79	3753266.77	0.14860	418234.79	3753286.77	0.13648
418254.79	3753266.77	0.15897	418420.72	3753365.54	0.21380
418437.92	3753366.96	0.23186	418421.90	3753345.52	0.23629
418438.15	3753345.99	0.25683	418495.40	3753383.21	0.28504
418500.82	3753372.85	0.30730			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAUL *** INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
418694.50	3753025.00	1.44341	418694.50	3753045.00	1.16354
418694.50	3753065.00	0.95977	418714.50	3753025.00	1.79366
418714.50	3753045.00	1.38501	418714.50	3753065.00	1.10835
418714.50	3753085.00	0.91639	418714.50	3753105.00	0.77356
418734.50	3753025.00	2.30588	418734.50	3753045.00	1.68201
418734.50	3753065.00	1.30016	418734.50	3753085.00	1.04445
418734.50	3753105.00	0.86393	418754.50	3753005.00	5.34517
418754.50	3753025.00	3.02087	418754.50	3753045.00	2.05426
418754.50	3753065.00	1.52844	418754.50	3753085.00	1.19136
418774.50	3752985.00	13.06005	418774.50	3753005.00	6.13816
418774.50	3753025.00	3.57016	418774.50	3753045.00	2.38147
418774.50	3753065.00	1.73371			

418774.50 3753085.00 1.33484
418794.50 3752965.00 15.40546
418794.50 3752985.00 9.05576
418794.50 3753005.00 5.54878
418794.50 3753025.00 3.60864
418794.50 3753045.00 2.50330
418814.50 3752965.00 8.45924
418814.50 3752985.00 6.13307
418814.50 3753005.00 4.48575
418814.50 3753025.00 3.27254
418814.50 3753045.00 2.43122
418834.50 3752965.00 5.07626
418834.50 3752985.00 4.22678
418834.50 3753005.00 3.45170
418834.50 3753025.00 2.76180
418834.50 3753045.00 2.20508
418834.50 3753065.00 1.76941
418854.50 3752985.00 2.97364
418854.50 3753005.00 2.61249
418854.50 3753025.00 2.24297
418854.50 3753045.00 1.90257
418854.50 3753065.00 1.60608
418854.50 3753085.00 1.35574
418874.50 3753005.00 1.98294
418874.50 3753025.00 1.79467
418874.50 3753045.00 1.59720
418874.50 3753065.00 1.40671
418874.50 3753085.00 1.23220
418874.50 3753105.00 1.07607
418894.50 3753005.00 1.52397
418894.50 3753025.00 1.43544
418894.50 3753045.00 1.32623
418894.50 3753065.00 1.20802
418894.50 3753085.00 1.09050
418894.50 3753105.00 0.97971
418894.50 3753125.00 0.87805
418914.50 3753045.00 1.09556
418914.50 3753065.00 1.02706
418914.50 3753085.00 0.95245
418914.50 3753105.00 0.87606
418914.50 3753125.00 0.80125
418934.50 3753065.00 0.86874
418934.50 3753085.00 0.82249
418934.50 3753105.00 0.77197
418934.50 3753125.00 0.72034
418934.50 3753145.00 0.66883
418954.50 3753105.00 0.67467
418954.50 3753125.00 0.63909
418954.50 3753145.00 0.60503
418497.54 3753033.99 0.42420
418497.54 3753053.99 0.38346
418497.54 3753073.99 0.34758

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418497.54    3753093.99        0.31605
         418517.54    3753033.99        0.46047
418517.54    3753053.99        0.41493
         418517.54    3753073.99        0.37509
418517.54    3753093.99        0.34072
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAUL *** INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
418517.54	3753113.99	0.30958	418517.54	3753133.99	0.28194
418537.54	3753033.99	0.50144	418537.54	3753053.99	0.45070
418537.54	3753073.99	0.40612	418537.54	3753093.99	0.36727
418537.54	3753113.99	0.33234	418537.54	3753133.99	0.30224
418537.54	3753153.99	0.27666	418537.54	3753173.99	0.25336
418537.54	3753193.99	0.23227	418557.54	3753013.99	0.61548
418557.54	3753033.99	0.54842	418557.54	3753053.99	0.49154
418557.54	3753073.99	0.44122	418557.54	3753093.99	0.39694
418557.54	3753113.99	0.35803	418557.54	3753133.99	0.32462
418557.54	3753153.99	0.29622	418557.54	3753173.99	0.27038
418557.54	3753193.99	0.24757	418557.54	3753213.99	0.22764
418557.54	3753233.99	0.20941			

418577.54 3753013.99 0.68095
418577.54 3753033.99 0.60404
418577.54 3753053.99 0.53892
418577.54 3753073.99 0.48136
418577.54 3753093.99 0.43058
418577.54 3753113.99 0.38717
418577.54 3753133.99 0.34987
418577.54 3753153.99 0.31795
418577.54 3753173.99 0.28894
418577.54 3753193.99 0.26376
418577.54 3753213.99 0.24245
418577.54 3753233.99 0.22316
418577.54 3753253.99 0.20571
418577.54 3753273.99 0.18953
418597.54 3753013.99 0.76141
418597.54 3753033.99 0.67150
418597.54 3753053.99 0.59457
418597.54 3753073.99 0.52728
418597.54 3753093.99 0.46867
418597.54 3753113.99 0.41979
418597.54 3753133.99 0.37792
418597.54 3753153.99 0.34174
418597.54 3753173.99 0.30919
418597.54 3753193.99 0.28121
418597.54 3753213.99 0.25788
418597.54 3753233.99 0.23687
418597.54 3753253.99 0.21817
418597.54 3753273.99 0.20176
418597.54 3753293.99 0.18689
418617.54 3753013.99 0.86128
418617.54 3753033.99 0.75403
418617.54 3753053.99 0.66049
418617.54 3753073.99 0.58033
418617.54 3753093.99 0.51188
418617.54 3753113.99 0.45654
418617.54 3753133.99 0.40908
418617.54 3753153.99 0.36783
418617.54 3753173.99 0.33130
418617.54 3753193.99 0.30021
418617.54 3753213.99 0.27456
418617.54 3753233.99 0.25145
418617.54 3753253.99 0.23106
418617.54 3753273.99 0.21347
418617.54 3753293.99 0.19776
418637.54 3753013.99 0.98774
418637.54 3753033.99 0.85273
418637.54 3753053.99 0.73827
418637.54 3753073.99 0.64174
418637.54 3753093.99 0.56158
418637.54 3753113.99 0.49806
418637.54 3753133.99 0.44387
418637.54 3753153.99 0.39659

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418637.54    3753173.99        0.35549
         418637.54    3753193.99        0.32081
418637.54    3753213.99        0.29250
         418637.54    3753233.99        0.26723
418637.54    3753253.99        0.24508
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAUL *** INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
418637.54	3753273.99	0.22621	418637.54	3753293.99	0.20912
418657.54	3752653.99	14.07036	418657.54	3752673.99	14.42430
418657.54	3752693.99	14.89455	418657.54	3752713.99	16.58330
418657.54	3753013.99	1.14681	418657.54	3753033.99	0.97052
418657.54	3753053.99	0.82816	418657.54	3753073.99	0.71247
418657.54	3753093.99	0.61871	418657.54	3753113.99	0.54543
418657.54	3753133.99	0.48319	418657.54	3753153.99	0.42907
418657.54	3753173.99	0.38234	418657.54	3753193.99	0.34349
418657.54	3753213.99	0.31210	418657.54	3753233.99	0.28435
418657.54	3753253.99	0.26025	418657.54	3753273.99	0.23977
418677.54	3752653.99	6.85199	418677.54	3752673.99	7.36770
418677.54	3752693.99	7.81819			

418677.54 3752713.99 8.50881
418677.54 3752733.99 9.68038
418677.54 3752753.99 11.79566
418677.54 3753053.99 0.94252
418677.54 3753073.99 0.79838
418677.54 3753093.99 0.68580
418677.54 3753113.99 0.59959
418677.54 3753133.99 0.52735
418677.54 3753153.99 0.46526
418677.54 3753173.99 0.41217
418677.54 3753193.99 0.36855
418677.54 3753213.99 0.33360
418677.54 3753233.99 0.30303
418677.54 3753253.99 0.27663
418677.54 3753273.99 0.25428
418697.54 3752653.99 4.04515
418697.54 3752673.99 4.49969
418697.54 3752693.99 4.88762
418697.54 3752713.99 5.32251
418697.54 3752733.99 5.92688
418697.54 3752753.99 6.84905
418697.54 3752773.99 8.38081
418697.54 3752793.99 11.09259
418697.54 3753093.99 0.76547
418697.54 3753113.99 0.66141
418697.54 3753133.99 0.57635
418697.54 3753153.99 0.50490
418697.54 3753173.99 0.44512
418697.54 3753193.99 0.39635
418697.54 3753213.99 0.35722
418697.54 3753233.99 0.32334
418697.54 3753253.99 0.29432
418697.54 3753273.99 0.26978
418717.54 3752653.99 2.69752
418717.54 3752673.99 3.03152
418717.54 3752693.99 3.34052
418717.54 3752713.99 3.68191
418717.54 3752733.99 4.08523
418717.54 3752753.99 4.61912
418717.54 3752773.99 5.40712
418717.54 3752793.99 6.70063
418717.54 3752813.99 9.10734
418717.54 3752833.99 14.27819
418717.54 3753133.99 0.63004
418717.54 3753153.99 0.54769
418717.54 3753173.99 0.48131
418717.54 3753193.99 0.42723
418717.54 3753213.99 0.38306
418717.54 3753233.99 0.34536
418717.54 3753253.99 0.31334
418717.54 3753273.99 0.28640
418737.54 3752653.99 1.94453

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418737.54    3752673.99        2.17533
         418737.54    3752693.99        2.40338
418737.54    3752713.99        2.67912
         418737.54    3752733.99        2.98868
418737.54    3752753.99        3.37027
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAUL *** INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
418737.54	3752773.99	3.87196	418737.54	3752793.99	4.62177
418737.54	3752813.99	5.83700	418737.54	3752833.99	8.11187
418737.54	3752853.99	13.30482	418737.54	3753113.99	0.81123
418737.54	3753133.99	0.68947	418737.54	3753153.99	0.59533
418737.54	3753173.99	0.52152	418737.54	3753193.99	0.46114
418737.54	3753213.99	0.41068	418737.54	3753233.99	0.36882
418737.54	3753253.99	0.33350	418737.54	3753273.99	0.30355
418757.54	3752653.99	1.48927	418757.54	3752673.99	1.65465
418757.54	3752693.99	1.82634	418757.54	3752713.99	2.04209
418757.54	3752733.99	2.27920	418757.54	3752753.99	2.55555
418757.54	3752773.99	2.90549	418757.54	3752793.99	3.40420
418757.54	3752813.99	4.18701			

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418757.54    3752833.99        5.47264
         418757.54    3752853.99        8.07914
418757.54    3752873.99       11.81059
         418757.54    3753113.99        0.90091
418757.54    3753133.99        0.75741
         418757.54    3753153.99        0.64951
418757.54    3753173.99        0.56478
         418757.54    3753193.99        0.49631
418757.54    3753213.99        0.43984
         418757.54    3753233.99        0.39364
418757.54    3753253.99        0.35479
         418777.54    3752653.99        1.18935
418777.54    3752673.99        1.31127
         418777.54    3752693.99        1.44086
418777.54    3752713.99        1.60674
         418777.54    3752733.99        1.78931
418777.54    3752753.99        1.99776
         418777.54    3752773.99        2.25641
418777.54    3752793.99        2.61520
         418777.54    3752813.99        3.16509
418777.54    3752833.99        3.98639
         418777.54    3752853.99        5.47954
418777.54    3752873.99        8.86148
         418777.54    3753093.99        1.22099
418777.54    3753113.99        0.99151
         418777.54    3753133.99        0.82718
418777.54    3753153.99        0.70415
         418777.54    3753173.99        0.60802
418777.54    3753193.99        0.53149
         418777.54    3753213.99        0.46955
418777.54    3753233.99        0.41889
         418777.54    3753253.99        0.37630
418797.54    3752653.99        0.97479
         418797.54    3752673.99        1.06661
418797.54    3752693.99        1.16152
         418797.54    3752713.99        1.29654
418797.54    3752733.99        1.43735
         418797.54    3752753.99        1.59732
418797.54    3752773.99        1.79201
         418797.54    3752793.99        2.05451
418797.54    3752813.99        2.44320
         418797.54    3752833.99        2.99395
418797.54    3752853.99        3.91523
         418797.54    3752873.99        5.73586
418797.54    3752893.99       10.08001
         418797.54    3753073.99        1.65502
418797.54    3753093.99        1.31053
         418797.54    3753113.99        1.06613
418797.54    3753133.99        0.88724
         418797.54    3753153.99        0.75188
418797.54    3753173.99        0.64720
         418797.54    3753193.99        0.56437
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418797.54    3753213.99        0.49797
         418797.54    3753233.99        0.44299
418817.54    3752653.99        0.81563
         418817.54    3752673.99        0.88685
418817.54    3752693.99        0.96348
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAUL *** INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
418817.54	3752713.99	1.05849	418817.54	3752733.99	1.16624
418817.54	3752753.99	1.29144	418817.54	3752773.99	1.43264
418817.54	3752793.99	1.62315	418817.54	3752813.99	1.89847
418817.54	3752833.99	2.27434	418817.54	3752853.99	2.85906
418817.54	3752873.99	3.89204	418817.54	3752893.99	5.75413
418817.54	3752913.99	9.29583	418817.54	3753073.99	1.67041
418817.54	3753093.99	1.34608	418817.54	3753113.99	1.10595
418817.54	3753133.99	0.92558	418817.54	3753153.99	0.78599
418817.54	3753173.99	0.67852	418817.54	3753193.99	0.59258
418817.54	3753213.99	0.52255	418837.54	3752653.99	0.69667
418837.54	3752673.99	0.75283	418837.54	3752693.99	0.81242
418837.54	3752713.99	0.88309			

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418837.54    3752733.99        0.96589
         418837.54    3752753.99        1.06463
418837.54    3752773.99        1.17201
         418837.54    3752793.99        1.30970
418837.54    3752813.99        1.49661
         418837.54    3752833.99        1.77456
418837.54    3752853.99        2.16405
         418837.54    3752873.99        2.71994
418837.54    3752893.99        3.47018
         418837.54    3752913.99        4.39782
418837.54    3753093.99        1.31975
         418837.54    3753113.99        1.10564
418837.54    3753133.99        0.93780
         418837.54    3753153.99        0.80417
418837.54    3753173.99        0.69791
         418837.54    3753193.99        0.61130
418857.54    3752653.99        0.60301
         418857.54    3752673.99        0.64820
418857.54    3752693.99        0.69578
         418857.54    3752713.99        0.74991
418857.54    3752733.99        0.81446
         418857.54    3752753.99        0.89252
418857.54    3752773.99        0.98034
         418857.54    3752793.99        1.08895
418857.54    3752813.99        1.22856
         418857.54    3752833.99        1.41989
418857.54    3752853.99        1.67456
         418857.54    3752873.99        1.98236
418857.54    3752893.99        2.32352
         418857.54    3752913.99        2.67211
418857.54    3752933.99        2.97830
         418857.54    3753093.99        1.24536
418857.54    3753113.99        1.06686
         418857.54    3753133.99        0.92051
418857.54    3753153.99        0.80025
         418857.54    3753173.99        0.70101
418877.54    3752653.99        0.52766
         418877.54    3752673.99        0.56445
418877.54    3752693.99        0.60285
         418877.54    3752713.99        0.64521
418877.54    3752733.99        0.69608
         418877.54    3752753.99        0.75771
418877.54    3752773.99        0.82967
         418877.54    3752793.99        0.91527
418877.54    3752813.99        1.01896
         418877.54    3752833.99        1.15026
418877.54    3752853.99        1.31132
         418877.54    3752873.99        1.50059
418877.54    3752893.99        1.67891
         418877.54    3752913.99        1.84183
418877.54    3752933.99        1.97842
         418877.54    3753133.99        0.88075
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418877.54    3753153.99        0.77664
         418877.54    3753173.99        0.68842
418877.54    3753193.99        0.61282
         418897.54    3752653.99        0.46576
418897.54    3752673.99        0.49606
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAUL *** INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
418897.54	3752693.99	0.52747	418897.54	3752713.99	0.56120
418897.54	3752733.99	0.60144	418897.54	3752753.99	0.64994
418897.54	3752773.99	0.70648	418897.54	3752793.99	0.77105
418897.54	3752813.99	0.84458	418897.54	3752833.99	0.93374
418897.54	3752853.99	1.03861	418897.54	3752873.99	1.16018
418897.54	3752893.99	1.26857	418897.54	3752913.99	1.35726
418897.54	3752933.99	1.41786	418897.54	3752953.99	1.48472
418897.54	3753173.99	0.66298	418897.54	3753193.99	0.59647
418917.54	3752653.99	0.41417	418917.54	3752673.99	0.43937
418917.54	3752693.99	0.46509	418917.54	3752713.99	0.49215
418917.54	3752733.99	0.52398	418917.54	3752753.99	0.56168
418917.54	3752773.99	0.60223			

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418917.54    3752793.99        0.64663
         418917.54    3752813.99        0.69474
418917.54    3752833.99        0.75230
         418917.54    3752853.99        0.82344
418917.54    3752873.99        0.91470
         418917.54    3752893.99        0.99058
418917.54    3752913.99        1.04963
         418917.54    3752933.99        1.08068
418917.54    3752953.99        1.11123
         418917.54    3752973.99        1.13571
418917.54    3753193.99        0.57161
         418917.54    3753213.99        0.52118
418937.54    3752653.99        0.37071
         418937.54    3752673.99        0.39186
418937.54    3752693.99        0.41345
         418937.54    3752713.99        0.43575
418937.54    3752733.99        0.46143
         418937.54    3752753.99        0.49115
418937.54    3752773.99        0.52159
         418937.54    3752793.99        0.55536
418937.54    3752813.99        0.59267
         418937.54    3752833.99        0.63430
418937.54    3752853.99        0.68241
         418937.54    3752873.99        0.73951
418937.54    3752893.99        0.79491
         418937.54    3752913.99        0.83899
418937.54    3752933.99        0.85950
         418937.54    3752953.99        0.87359
418937.54    3752973.99        0.88505
         418937.54    3752993.99        0.90284
418937.54    3753213.99        0.49775
         418957.54    3752653.99        0.33371
418957.54    3752673.99        0.35170
         418957.54    3752693.99        0.37004
418957.54    3752713.99        0.38874
         418957.54    3752733.99        0.40988
418957.54    3752753.99        0.43379
         418957.54    3752773.99        0.45776
418957.54    3752793.99        0.48445
         418957.54    3752813.99        0.51406
418957.54    3752833.99        0.54551
         418957.54    3752853.99        0.57899
418957.54    3752873.99        0.61430
         418957.54    3752893.99        0.65407
418957.54    3752913.99        0.68701
         418957.54    3752933.99        0.70386
418957.54    3752953.99        0.71256
         418957.54    3752973.99        0.71782
418957.54    3752993.99        0.72587
         418957.54    3753013.99        0.73110
418957.54    3753033.99        0.73071
         418957.54    3753213.99        0.46991
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418977.54    3752653.99        0.30200
         418977.54    3752673.99        0.31749
418977.54    3752693.99        0.33332
         418977.54    3752713.99        0.34934
418977.54    3752733.99        0.36694
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAUL *** INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
418977.54	3752753.99	0.38621	418977.54	3752773.99	0.40562
418977.54	3752793.99	0.42699	418977.54	3752813.99	0.45037
418977.54	3752833.99	0.47480	418977.54	3752853.99	0.49896
418977.54	3752873.99	0.52174	418977.54	3752893.99	0.54939
418977.54	3752913.99	0.57323	418977.54	3752933.99	0.58815
418977.54	3752953.99	0.59566	418977.54	3752973.99	0.59853
418977.54	3752993.99	0.59730	418977.54	3753013.99	0.59626
418977.54	3753033.99	0.59561	418977.54	3753053.99	0.60022
418997.54	3752653.99	0.27461	418997.54	3752673.99	0.28806
418997.54	3752693.99	0.30188	418997.54	3752713.99	0.31592
418997.54	3752733.99	0.33064	418997.54	3752753.99	0.34607
418997.54	3752773.99	0.36159			

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418997.54    3752793.99        0.37855
         418997.54    3752813.99        0.39686
418997.54    3752833.99        0.41618
         418997.54    3752853.99        0.43450
418997.54    3752873.99        0.45056
         418997.54    3752893.99        0.46933
418997.54    3752913.99        0.48576
         418997.54    3752933.99        0.49777
418997.54    3752953.99        0.50424
         418997.54    3752973.99        0.50588
418997.54    3752993.99        0.50018
         418997.54    3753013.99        0.49323
418997.54    3753033.99        0.48774
         418997.54    3753053.99        0.49245
418997.54    3753073.99        0.49950
         418997.54    3753093.99        0.50388
418997.54    3753113.99        0.49715
         418997.54    3753133.99        0.48486
419017.54    3752653.99        0.25057
         419017.54    3752673.99        0.26203
419017.54    3752693.99        0.27382
         419017.54    3752713.99        0.28580
419017.54    3752733.99        0.29822
         419017.54    3752753.99        0.31118
419017.54    3752773.99        0.32425
         419017.54    3752793.99        0.33795
419017.54    3752813.99        0.35221
         419017.54    3752833.99        0.36761
419017.54    3752853.99        0.38194
         419017.54    3752873.99        0.39417
419017.54    3752893.99        0.40711
         419017.54    3752913.99        0.41834
419017.54    3752933.99        0.42698
         419017.54    3752953.99        0.43107
419017.54    3752973.99        0.43110
         419017.54    3752993.99        0.42485
419017.54    3753013.99        0.42150
         419017.54    3753033.99        0.42001
419017.54    3753053.99        0.42184
         419017.54    3753073.99        0.42923
419017.54    3753093.99        0.43694
         419017.54    3753113.99        0.43612
419017.54    3753133.99        0.42915
         419017.54    3753153.99        0.41764
419017.54    3753173.99        0.40678
         419037.54    3752653.99        0.22863
419037.54    3752673.99        0.23839
         419037.54    3752693.99        0.24852
419037.54    3752713.99        0.25889
         419037.54    3752733.99        0.26965
419037.54    3752753.99        0.28079
         419037.54    3752773.99        0.29212
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419037.54    3752793.99        0.30355
         419037.54    3752813.99        0.31492
419037.54    3752833.99        0.32722
         419037.54    3752853.99        0.33849
419037.54    3752873.99        0.34795
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAUL *** INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
419037.54	3752893.99	0.35683	419037.54	3752913.99	0.36444
419037.54	3752933.99	0.37069	419037.54	3752953.99	0.37339
419037.54	3752973.99	0.37308	419037.54	3752993.99	0.36831
419037.54	3753013.99	0.36667	419037.54	3753033.99	0.36656
419037.54	3753053.99	0.36750	419037.54	3753073.99	0.37380
419037.54	3753093.99	0.38126	419037.54	3753113.99	0.38319
419037.54	3753133.99	0.37965	419037.54	3753153.99	0.37199
419037.54	3753173.99	0.36539	419057.54	3752653.99	0.21011
419057.54	3752673.99	0.21858	419057.54	3752693.99	0.22735
419057.54	3752713.99	0.23637	419057.54	3752733.99	0.24562
419057.54	3752753.99	0.25508	419057.54	3752773.99	0.26455
419057.54	3752793.99	0.27386			

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419057.54    3752813.99        0.28287
         419057.54    3752833.99        0.29251
419057.54    3752853.99        0.30122
         419057.54    3752873.99        0.30847
419057.54    3752893.99        0.31465
         419057.54    3752913.99        0.31999
419057.54    3752933.99        0.32475
         419057.54    3752953.99        0.32661
419057.54    3752973.99        0.32640
         419057.54    3752993.99        0.32344
419057.54    3753013.99        0.32273
         419057.54    3753033.99        0.32298
419057.54    3753053.99        0.32381
         419057.54    3753073.99        0.32839
419057.54    3753093.99        0.33403
         419057.54    3753113.99        0.33684
419057.54    3753133.99        0.33559
         419057.54    3753153.99        0.33119
419057.54    3753173.99        0.32698
         419057.54    3753193.99        0.32173
419077.54    3752653.99        0.19421
         419077.54    3752673.99        0.20166
419077.54    3752693.99        0.20926
         419077.54    3752713.99        0.21711
419077.54    3752733.99        0.22501
         419077.54    3752753.99        0.23293
419077.54    3752773.99        0.24047
         419077.54    3752873.99        0.27439
419077.54    3752893.99        0.27880
         419077.54    3752913.99        0.28277
419077.54    3752933.99        0.28675
         419077.54    3752953.99        0.28804
419077.54    3752973.99        0.28788
         419077.54    3752993.99        0.28638
419077.54    3753013.99        0.28623
         419077.54    3753033.99        0.28669
419077.54    3753053.99        0.28752
         419077.54    3753073.99        0.29010
419077.54    3753093.99        0.29332
         419077.54    3753113.99        0.29602
419077.54    3753133.99        0.29660
         419077.54    3753153.99        0.29526
419077.54    3753173.99        0.29259
         419077.54    3753193.99        0.29031
419097.54    3752873.99        0.24569
         419097.54    3752893.99        0.24911
419097.54    3752913.99        0.25219
         419097.54    3752933.99        0.25539
419097.54    3752953.99        0.25623
         419097.54    3752973.99        0.25616
419097.54    3752993.99        0.25579
         419097.54    3753013.99        0.25606
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419097.54    3753033.99        0.25662
         419097.54    3753053.99        0.25740
419097.54    3753073.99        0.25883
         419097.54    3753093.99        0.26053
419097.54    3753113.99        0.26237
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAUL *** INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
419097.54	3753133.99	0.26364	419097.54	3753153.99	0.26413
419097.54	3753173.99	0.26262	418760.41	3752501.60	0.50163
418760.41	3752521.60	0.57884	418760.41	3752541.60	0.67083
418760.41	3752561.60	0.78048	418760.41	3752581.60	0.90967
418780.41	3752501.60	0.45407	418780.41	3752521.60	0.51618
418780.41	3752541.60	0.58767	418780.41	3752561.60	0.67128
418780.41	3752581.60	0.76749	418800.41	3752501.60	0.41256
418800.41	3752521.60	0.46325	418800.41	3752541.60	0.52019
418800.41	3752561.60	0.58546	418800.41	3752581.60	0.65879
418820.41	3752501.60	0.37576	418820.41	3752521.60	0.41773
418820.41	3752541.60	0.46403	418820.41	3752561.60	0.51590
418820.41	3752581.60	0.57323			

418840.41 3752501.60 0.34279
418840.41 3752521.60 0.37779
418840.41 3752541.60 0.41583
418840.41 3752561.60 0.45797
418840.41 3752581.60 0.50389
418860.41 3752501.60 0.31393
418860.41 3752521.60 0.34346
418860.41 3752541.60 0.37518
418860.41 3752561.60 0.40996
418860.41 3752581.60 0.44737
418880.41 3752501.60 0.28877
418880.41 3752521.60 0.31389
418880.41 3752541.60 0.34059
418880.41 3752561.60 0.36955
418880.41 3752581.60 0.40023
418900.41 3752501.60 0.26637
418900.41 3752521.60 0.28792
418900.41 3752541.60 0.31062
418900.41 3752561.60 0.33488
418900.41 3752581.60 0.36029
418920.41 3752501.60 0.24627
418920.41 3752521.60 0.26484
418920.41 3752541.60 0.28436
418920.41 3752561.60 0.30492
418920.41 3752581.60 0.32608
418940.41 3752501.60 0.22827
418940.41 3752521.60 0.24453
418940.41 3752541.60 0.26147
418940.41 3752561.60 0.27889
418940.41 3752581.60 0.29660
418670.13 3752514.19 0.96988
418670.13 3752534.19 1.25798
418670.13 3752554.19 1.71536
418670.13 3752574.19 2.49485
418690.13 3752514.19 0.85359
418690.13 3752534.19 1.06679
418690.13 3752554.19 1.38613
418690.13 3752574.19 1.85006
418710.13 3752514.19 0.74973
418710.13 3752534.19 0.91468
418710.13 3752554.19 1.13678
418710.13 3752574.19 1.43909
418598.52 3752483.46 0.91732
418609.32 3752518.47 1.45543
418594.64 3752543.74 2.39162
418456.33 3752435.62 0.55746
418456.33 3752455.62 0.68248
418476.33 3752435.62 0.56650
418476.33 3752455.62 0.69405
418476.33 3752475.62 0.86903
418476.33 3752495.62 1.11842
418496.33 3752455.62 0.70153

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418496.33    3752475.62        0.87917
         418496.33    3752495.62        1.13152
418516.33    3752475.62        0.88322
         418516.33    3752495.62        1.13771
418536.33    3752495.62        1.13552
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAUL *** INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
418507.28	3752536.85	2.17296	418522.23	3752535.74	2.13883
418507.83	3752576.74	5.70841	418524.45	3752577.30	5.84598
418595.92	3752586.72	8.23197	418591.77	3752573.97	5.23057
418604.79	3752573.70	5.07681	418592.88	3752532.70	1.93145
418607.84	3752501.67	1.13892	418573.04	3752668.65	6.10652
418583.02	3752668.10	6.59595	418573.87	3752653.42	7.76927
418585.79	3752655.35	8.01749	418522.35	3752645.94	8.26347
418541.74	3752648.43	7.93555	418525.39	3752663.11	5.72839
418538.41	3752662.83	5.89056	418563.62	3752712.70	3.73387
418578.03	3752714.08	4.21545	418563.07	3752730.15	3.28418
418579.42	3752729.60	3.86590	418426.49	3752650.09	6.95791
418446.99	3752649.26	7.21858			

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418396.03    3752664.30        4.88626
         418394.64    3752679.26        3.66795
418385.22    3752737.44        1.60432
         418398.52    3752738.27        1.67427
418384.95    3752754.62        1.34351
         418396.58    3752751.57        1.45328
418429.83    3752730.24        2.00030
         418451.71    3752730.52        2.10399
418429.27    3752751.57        1.62686
         418452.27    3752751.29        1.74427
418428.72    3752770.13        1.38727
         418453.38    3752769.30        1.51523
418431.21    3752799.22        1.12780
         418456.70    3752798.11        1.25174
418488.56    3752815.77        1.27503
         418488.56    3752835.77        1.13875
418488.56    3752855.77        1.02300
         418508.56    3752815.77        1.39487
418508.56    3752835.77        1.24956
         418508.56    3752855.77        1.12245
418528.56    3752815.77        1.54802
         418528.56    3752835.77        1.38879
418528.56    3752855.77        1.24703
         418548.56    3752815.77        1.75331
418548.56    3752835.77        1.56995
         418548.56    3752855.77        1.40536
418568.56    3752815.77        2.04548
         418568.56    3752835.77        1.81985
418568.56    3752855.77        1.61685
         418588.56    3752815.77        2.49117
418588.56    3752835.77        2.18603
         418588.56    3752855.77        1.91529
418608.56    3752815.77        3.23195
         418608.56    3752835.77        2.76542
418608.56    3752855.77        2.36740
         418628.56    3752835.77        3.76656
418628.56    3752855.77        3.09143
         418648.56    3752855.77        4.36737
418337.32    3753110.04        0.17904
         418348.21    3753104.77        0.18879
418123.53    3753069.93        0.10672
         418123.53    3753089.93        0.10195
418143.53    3753049.93        0.11864
         418143.53    3753069.93        0.11311
418143.53    3753089.93        0.10802
         418163.53    3753029.93        0.13281
418163.53    3753049.93        0.12606
         418163.53    3753069.93        0.11991
418163.53    3753089.93        0.11433
         418163.53    3753109.93        0.10887
418183.53    3753029.93        0.14183
         418183.53    3753049.93        0.13418
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418183.53    3753069.93        0.12723
         418183.53    3753089.93        0.12098
418203.53    3753049.93        0.14306
         418203.53    3753069.93        0.13518
418124.99    3752805.35        0.21597
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAUL *** INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
418136.07	3752803.07	0.22782	418132.49	3752711.46	0.29378
418125.32	3752698.09	0.29233	418102.82	3752717.33	0.24593
418095.98	3752702.33	0.24608	418219.21	3752825.23	0.31011
418222.14	3752815.45	0.32698	418349.45	3753288.96	0.10379
418360.53	3753293.43	0.10483	418357.70	3753274.82	0.10998
418369.01	3753279.54	0.11119	417874.79	3753026.77	0.06774
417874.79	3753046.77	0.06544	417874.79	3753146.77	0.05540
417874.79	3753166.77	0.05354	417874.79	3753186.77	0.05170
417874.79	3753206.77	0.04993	417874.79	3753226.77	0.04821
417894.79	3753006.77	0.07300	417894.79	3753026.77	0.07055
417894.79	3753046.77	0.06818	417894.79	3753066.77	0.06588
417894.79	3753146.77	0.05734			

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417894.79    3753166.77        0.05532
         417894.79    3753186.77        0.05321
417894.79    3753206.77        0.05115
         417894.79    3753226.77        0.04922
417914.79    3752986.77        0.07888
         417914.79    3753006.77        0.07619
417914.79    3753026.77        0.07355
         417914.79    3753046.77        0.07101
417914.79    3753066.77        0.06854
         417914.79    3753086.77        0.06616
417914.79    3753146.77        0.05936
         417914.79    3753166.77        0.05711
417914.79    3753186.77        0.05481
         417914.79    3753206.77        0.05262
417934.79    3752986.77        0.08263
         417934.79    3753006.77        0.07964
417934.79    3753026.77        0.07676
         417934.79    3753046.77        0.07398
417934.79    3753066.77        0.07133
         417934.79    3753086.77        0.06879
417934.79    3753106.77        0.06633
         417934.79    3753146.77        0.06151
417934.79    3753166.77        0.05904
         417934.79    3753186.77        0.05654
417934.79    3753206.77        0.05426
         417954.79    3753006.77        0.08318
417954.79    3753026.77        0.08006
         417954.79    3753046.77        0.07708
417954.79    3753066.77        0.07427
         417954.79    3753086.77        0.07156
417954.79    3753106.77        0.06895
         417954.79    3753126.77        0.06641
417954.79    3753146.77        0.06380
         417954.79    3753166.77        0.06115
417954.79    3753186.77        0.05848
         417954.79    3753206.77        0.05607
417974.79    3753026.77        0.08342
         417974.79    3753046.77        0.08030
417974.79    3753066.77        0.07731
         417974.79    3753086.77        0.07446
417974.79    3753106.77        0.07170
         417974.79    3753126.77        0.06899
417974.79    3753146.77        0.06621
         417974.79    3753166.77        0.06344
417974.79    3753186.77        0.06062
         417974.79    3753206.77        0.05803
417974.79    3753226.77        0.05565
         417974.79    3753246.77        0.05361
417974.79    3753266.77        0.05171
         417974.79    3753286.77        0.04994
417994.79    3753046.77        0.08363
         417994.79    3753066.77        0.08050
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417994.79    3753086.77        0.07744
         417994.79    3753106.77        0.07450
417994.79    3753126.77        0.07165
         417994.79    3753146.77        0.06872
417994.79    3753166.77        0.06583
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAUL *** INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
417994.79	3753186.77	0.06285	417994.79	3753206.77	0.06009
417994.79	3753226.77	0.05753	417994.79	3753246.77	0.05537
417994.79	3753266.77	0.05337	417994.79	3753286.77	0.05152
418014.79	3753046.77	0.08728	418014.79	3753066.77	0.08390
418014.79	3753086.77	0.08059	418014.79	3753106.77	0.07739
418014.79	3753126.77	0.07429	418014.79	3753146.77	0.07121
418014.79	3753166.77	0.06821	418014.79	3753186.77	0.06512
418014.79	3753206.77	0.06223	418014.79	3753226.77	0.05954
418014.79	3753246.77	0.05727	418014.79	3753266.77	0.05516
418014.79	3753286.77	0.05321	418034.79	3753066.77	0.08745
418034.79	3753086.77	0.08382	418034.79	3753106.77	0.08038
418034.79	3753126.77	0.07697			

418034.79 3753146.77 0.07371
418034.79 3753166.77 0.07053
418034.79 3753186.77 0.06742
418034.79 3753206.77 0.06446
418034.79 3753226.77 0.06169
418034.79 3753246.77 0.05931
418034.79 3753266.77 0.05707
418034.79 3753286.77 0.05497
418054.79 3753066.77 0.09125
418054.79 3753086.77 0.08726
418054.79 3753106.77 0.08343
418054.79 3753126.77 0.07974
418054.79 3753146.77 0.07625
418054.79 3753166.77 0.07295
418054.79 3753186.77 0.06979
418054.79 3753206.77 0.06679
418054.79 3753226.77 0.06398
418054.79 3753246.77 0.06148
418054.79 3753266.77 0.05910
418054.79 3753286.77 0.05682
418074.79 3753066.77 0.09532
418074.79 3753086.77 0.09091
418074.79 3753106.77 0.08674
418074.79 3753126.77 0.08278
418074.79 3753146.77 0.07907
418074.79 3753166.77 0.07560
418074.79 3753186.77 0.07234
418074.79 3753206.77 0.06929
418074.79 3753226.77 0.06643
418094.79 3753086.77 0.09530
418094.79 3753106.77 0.09094
418094.79 3753126.77 0.08679
418094.79 3753146.77 0.08290
418094.79 3753166.77 0.07921
418094.79 3753186.77 0.07564
418094.79 3753206.77 0.07219
418094.79 3753226.77 0.06895
418114.79 3753086.77 0.10032
418114.79 3753106.77 0.09578
418114.79 3753126.77 0.09145
418114.79 3753146.77 0.08727
418114.79 3753166.77 0.08323
418114.79 3753186.77 0.07913
418114.79 3753206.77 0.07525
418134.79 3753106.77 0.10126
418134.79 3753126.77 0.09656
418134.79 3753146.77 0.09198
418134.79 3753166.77 0.08753
418134.79 3753186.77 0.08292
418134.79 3753206.77 0.07856
418134.79 3753226.77 0.07459
418154.79 3753126.77 0.10204

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418154.79    3753146.77        0.09699
         418154.79    3753166.77        0.09202
418154.79    3753186.77        0.08701
         418154.79    3753206.77        0.08223
418154.79    3753226.77        0.07790
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAUL *** INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
418154.79	3753246.77	0.07420	418174.79	3753166.77	0.09676
418174.79	3753186.77	0.09141	418174.79	3753206.77	0.08635
418174.79	3753226.77	0.08163	418174.79	3753246.77	0.07754
418174.79	3753266.77	0.07389	418194.79	3753186.77	0.09612
418194.79	3753206.77	0.09079	418194.79	3753226.77	0.08589
418194.79	3753246.77	0.08152	418194.79	3753266.77	0.07751
418214.79	3753206.77	0.09566	418214.79	3753226.77	0.09054
418214.79	3753246.77	0.08596	418214.79	3753266.77	0.08171
418214.79	3753286.77	0.07774	418234.79	3753246.77	0.09071
418234.79	3753266.77	0.08625	418234.79	3753286.77	0.08207
418254.79	3753266.77	0.09076	418420.72	3753365.54	0.09654
418437.92	3753366.96	0.09985			

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418421.90    3753345.52        0.10239
         418438.15    3753345.99        0.10601
418495.40    3753383.21        0.10819
         418500.82    3753372.85        0.11254
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ONSITE	1ST HIGHEST VALUE IS	14.15966 AT	(418557.54, 3753013.99, 105.21, 105.21, 0.00)	DC
	2ND HIGHEST VALUE IS	13.24560 AT	(418497.54, 3753033.99, 106.80, 106.80, 0.00)	DC
	3RD HIGHEST VALUE IS	12.48387 AT	(418577.54, 3753013.99, 104.75, 104.75, 0.00)	DC
	4TH HIGHEST VALUE IS	12.07350 AT	(418517.54, 3753033.99, 106.61, 106.61, 0.00)	DC
	5TH HIGHEST VALUE IS	11.23536 AT	(418597.54, 3753013.99, 104.06, 104.06, 0.00)	DC
	6TH HIGHEST VALUE IS	10.85028 AT	(418537.54, 3753033.99, 106.32, 106.32, 0.00)	DC
	7TH HIGHEST VALUE IS	10.47125 AT	(418617.54, 3753013.99, 103.22, 103.22, 0.00)	DC
	8TH HIGHEST VALUE IS	10.35872 AT	(418657.54, 3753013.99, 102.42, 102.42, 0.00)	DC
	9TH HIGHEST VALUE IS	10.18274 AT	(418637.54, 3753013.99, 102.52, 102.52, 0.00)	DC
	10TH HIGHEST VALUE IS	9.78030 AT	(418557.54, 3753033.99, 105.93, 105.93, 0.00)	DC
HAUL	1ST HIGHEST VALUE IS	16.58330 AT	(418657.54, 3752713.99, 96.89, 96.89, 0.00)	DC
	2ND HIGHEST VALUE IS	15.40546 AT	(418794.50, 3752965.00, 96.76, 96.76, 0.00)	DC
	3RD HIGHEST VALUE IS	14.89455 AT	(418657.54, 3752693.99, 97.17, 97.17, 0.00)	DC
	4TH HIGHEST VALUE IS	14.42430 AT	(418657.54, 3752673.99, 97.46, 97.46, 0.00)	DC
	5TH HIGHEST VALUE IS	14.27819 AT	(418717.54,	

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3752833.99,    97.15,    97.15,    0.00)  DC
          6TH HIGHEST VALUE IS      14.07036 AT (  418657.54,
3752653.99,    97.64,    97.64,    0.00)  DC
          7TH HIGHEST VALUE IS      13.30482 AT (  418737.54,
3752853.99,    97.18,    97.18,    0.00)  DC
          8TH HIGHEST VALUE IS      13.06005 AT (  418774.50,
3752985.00,    98.28,    98.28,    0.00)  DC
          9TH HIGHEST VALUE IS      11.81059 AT (  418757.54,
3752873.99,    97.18,    97.18,    0.00)  DC
         10TH HIGHEST VALUE IS      11.79566 AT (  418677.54,
3752753.99,    97.03,    97.03,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
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*** 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 2285 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 1588 Calm Hours Identified

A Total of 697 Missing Hours Identified (1.59 Percent)

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

******** WARNING MESSAGES ********
ME W186 998 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 998 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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*** AERMOD Finishes Successfully ***
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