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**Oleander & Santa Ana Avenue  
Warehouse  
MOBILE SOURCE HEALTH RISK ASSESSMENT  
CITY OF FONTANA**

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## **LIST OF ABBREVIATED TERMS**

(1)	Reference
µg	Microgram
AERMOD	American Meteorological Society/Environmental Protection Agency Regulatory Model
APS	Auxiliary Power System
AQMD	Air Quality Management District
ARB	Air Resources Board
CEQA	California Environmental Quality Act
CPF	Cancer Potency Factor
DPM	Diesel Particulate Matter
EMFAC	Emission Factor Model
EPA	Environmental Protection Agency
HHD	Heavy Heavy-Duty
HI	Hazard Index
HRA	Health Risk Assessment
LHD	Light Heavy-Duty
MATES	Multiple Air Toxics Exposure Study
MEIR	Maximally Exposed Individual Receptor
MEIW	Maximally Exposed Individual Worker
MHD	Medium Heavy-Duty
NAD	North American Datum
OEHHA	Office of Environmental Health Hazard Assessment
PM10	Particulate Matter 10 microns in diameter or less
Project	Oleander & Santa Ana Avenue Warehouse
REL	Reference Exposure Level
RM	Recommended Measures
SCAQMD	South Coast Air Quality Management District
SRA	Source Receptor Area
TAC	Toxic Air Contaminant
TA	Traffic Analysis
URF	Unit Risk Factor
UTM	Universal Transverse Mercator
VMT	Vehicle Miles Traveled

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## EXECUTIVE SUMMARY

This report evaluates the potential health risk impacts to sensitive receptors (which are residents) and adjacent workers associated with the development of the Project, more specifically, health risk impacts as a result of exposure to Toxic Air Contaminants (TACs) including diesel particulate matter (DPM) as a result of heavy-duty diesel trucks accessing the site. This section summarizes the significance criteria and Project health risks.

The results of the health risk assessment from Project-generated DPM emissions are provided in Table ES-1, ES-2, and ES-3 below for the Project.

### CONSTRUCTION IMPACTS

The land use with the greatest potential exposure to Project construction-source DPM emissions is Location R7 which is located approximately 740 feet east of the Project site at an existing residence located at 10788 Mint Leaf Way. R7 is placed in the private outdoor living areas (backyard) facing the Project site. At the maximally exposed individual receptor (MEIR), the maximum incremental cancer risk attributable to Project construction-source DPM emissions is estimated at 1.24 in one million, which is less than the SCAQMD's significance threshold of 10 in one million. At this same location, non-cancer risks were estimated to be <0.01, which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent land uses as a result of Project construction activity. All other receptors during construction activity would experience less risk than what is identified for this location. The modeled receptors are illustrated on Exhibit 2-D.

### OPERATIONAL IMPACTS

#### Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project operational-source DPM emissions is Location R1 which is located approximately 239 feet northwest of the Project site at an existing residence located at 16079 Tyrol Drive. R1 is placed in the private outdoor living areas (backyard) facing the Project site. At the MEIR, the maximum incremental cancer risk attributable to Project operational-source DPM emissions is estimated at 1.19 in one million, which is less than the SCAQMD's significance threshold of 10 in one million. At this same location, non-cancer risks were estimated to be <0.01, which would not exceed the applicable significance threshold of 1.0. Because all other modeled residential receptors are exposed to lesser concentrations and are located at a greater distance from the Project site and primary truck route than the MEIR analyzed herein, and TACs generally dissipates with distance from the source, all other residential receptors in the vicinity of the Project site would be exposed to less emissions and therefore less risk than the MEIR identified herein. As such, the Project will not cause a significant human health or cancer risk to nearby residences. The modeled receptors are illustrated on Exhibit 2-D.

Worker Exposure Scenario<sup>1</sup>:

The worker receptor land use with the greatest potential exposure to Project operational -source DPM emissions is Location R4, which represents the adjacent potential worker receptor to the north of the Project site. At the maximally exposed individual worker (MEIW), the maximum incremental cancer risk impact is 0.26 in one million which is less than the SCAQMD's threshold of 10 in one million. Maximum non-cancer risks at this same location were estimated to be <0.01, which would not exceed the applicable significance threshold of 1.0. Because all other modeled worker receptors are located at a greater distance than the MEIW analyzed herein, and DPM dissipates with distance from the source, all other worker receptors in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEIW identified herein. As such, the Project will not cause a significant human health or cancer risk to adjacent workers. The modeled receptors are illustrated on Exhibit 2-D.

School Child Exposure Scenario:

The nearest schools are Fontana Adult School, Citrus High School, and Jurupa Hills High School, located approximately 13, 330, and 332 feet north of the Project site, respectively. At the maximally exposed individual school child (MEISC), the maximum incremental cancer risk impact attributable to the Project is calculated to be 0.50 in one million, which is less than the significance threshold of 10 in one million. At this same location, non-cancer risks attributable to the Project were calculated to be <0.01, which would not exceed the applicable significance threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to nearby school children.

**CONSTRUCTION AND OPERATIONAL IMPACTS**

The land use with the greatest potential exposure to Project construction-source and operational-source DPM emissions is Location R1. At the MEIR, the maximum incremental cancer risk attributable to Project construction-source and operational-source DPM emissions is estimated at 1.68 in one million, which is less than the threshold of 10 in one million. At this same location, non-cancer risks were estimated to be <0.01, which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent land uses as a result of Project construction and operational activity. All other receptors during construction and operational activity would experience less risk than what is identified for this location. The modeled receptors are illustrated on Exhibit 2-D.

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1 SCAQMD guidance does not require assessment of the potential health risk to on-site workers. Excerpts from the document OEHHA Air Toxics Hot Spots Program Risk Assessment Guidelines—The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments (OEHHA 2003), also indicate that it is not necessary to examine the health effects to on-site workers unless required by RCRA (Resource Conservation and Recovery Act) / CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act) or the worker resides on-site.



**TABLE ES-1: SUMMARY OF CONSTRUCTION CANCER AND NON-CANCER RISKS**

Time Period	Location	Maximum Lifetime Cancer Risk (Risk per Million)	Significance Threshold (Risk per Million)	Exceeds Significance Threshold
1.46 Year Exposure	Maximum Exposed Sensitive Receptor	1.24	10	NO
Time Period	Location	Maximum Hazard Index	Significance Threshold	Exceeds Significance Threshold
Annual Average	Maximum Exposed Sensitive Receptor	≤0.01	1.0	NO

**TABLE ES-2: SUMMARY OF OPERATIONAL CANCER AND NON-CANCER RISKS**

Time Period	Location	Maximum Lifetime Cancer Risk (Risk per Million)	Significance Threshold (Risk per Million)	Exceeds Significance Threshold
30 Year Exposure	Maximum Exposed Sensitive Receptor	1.19	10	NO
25 Year Exposure	Maximum Exposed Worker Receptor	0.26	10	NO
9 Year Exposure	Maximum Exposed Individual School Child	0.50	10	NO
Time Period	Location	Maximum Hazard Index	Significance Threshold	Exceeds Significance Threshold
Annual Average	Maximum Exposed Sensitive Receptor	≤0.01	1.0	NO
Annual Average	Maximum Exposed Worker Receptor	≤0.01	1.0	NO
Annual Average	Maximum Exposed Individual School Child	≤0.01	1.0	NO

**TABLE ES-3: SUMMARY OF CONSTRUCTION AND OPERATIONAL CANCER AND NON-CANCER RISKS**

Time Period	Location	Maximum Lifetime Cancer Risk (Risk per Million)	Significance Threshold (Risk per Million)	Exceeds Significance Threshold
30 Year Exposure	Maximum Exposed Sensitive Receptor	1.68	10	NO
Time Period	Location	Maximum Hazard Index	Significance Threshold	Exceeds Significance Threshold
Annual Average	Maximum Exposed Sensitive Receptor	≤0.01	1.0	NO

# 1 INTRODUCTION

The South Coast Air Quality Management District (SCAQMD) typically issues a comment letter on the Notice of Preparation of a CEQA Document. Per the SCAQMD's typical comment letter, if a proposed Project is expected to generate/attract diesel trucks, which emit diesel particulate matter (DPM) or other Toxic Air Contaminants (TACs), preparation of a HRA is necessary. This document serves to meet the SCAQMD's request for preparation of a HRA. This HRA has been prepared in accordance with the document Health Risk Assessment Guidance for Analyzing Cancer Risk from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (1) and is comprised of all relevant and appropriate procedures presented by the United States Environmental Protection Agency (U.S. EPA), California EPA and SCAQMD. Cancer risk is expressed in terms of expected incremental incidence per million population. The SCAQMD has established an incidence rate of ten (10) persons per million as the maximum acceptable incremental cancer risk due to TAC exposure from a project such as the proposed Project. This threshold serves to determine whether or not a given project has a potentially significant development-specific and cumulatively considerable impact.

The AQMD has published a report on how to address cumulative impacts from air pollution: *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution (2)*. In this report the AQMD states (Page D-3):

*"...the AQMD uses the same significance thresholds for project specific and cumulative impacts for all environmental topics analyzed in an Environmental Assessment or EIR. The only case where the significance thresholds for project specific and cumulative impacts differ is the Hazard Index (HI) significance threshold for toxic air contaminant (TAC) emissions. The project specific (project increment) significance threshold is  $HI > 1.0$  while the cumulative (facility-wide) is  $HI > 3.0$ . It should be noted that the HI is only one of three TAC emission significance thresholds considered (when applicable) in a CEQA analysis. The other two are the maximum individual cancer risk (MICR) and the cancer burden, both of which use the same significance thresholds (MICR of 10 in 1 million and cancer burden of 0.5) for project specific and cumulative impacts.*

*Projects that exceed the project-specific significance thresholds are considered by the SCAQMD to be cumulatively considerable. This is the reason project-specific and cumulative significance thresholds are the same. Conversely, projects that do not exceed the project-specific thresholds are generally not considered to be cumulatively significant."*

The SCAQMD has also established non-carcinogenic risk parameters for use in HRAs. Non-carcinogenic risks are quantified by calculating a "hazard index," expressed as the ratio between the ambient pollutant concentration and its toxicity or Reference Exposure Level (REL). A REL is a concentration at or below which health effects are not likely to occur. A hazard index less than one (1.0) means that adverse health effects are not expected. In this HRA, non-carcinogenic exposures of less than 1.0 are considered less-than-significant. Both the cancer risk and non-carcinogenic risk thresholds are applied to the nearest sensitive receptors below.

## 1.1 SITE LOCATION

The proposed project is located north of Santa Ana Avenue and on either side of Oleander Avenue as well as the northeast corner of Citrus Avenue at Santa Ana Avenue in the City of Fontana as shown on Exhibit 1-A.

## 1.2 PROJECT DESCRIPTION

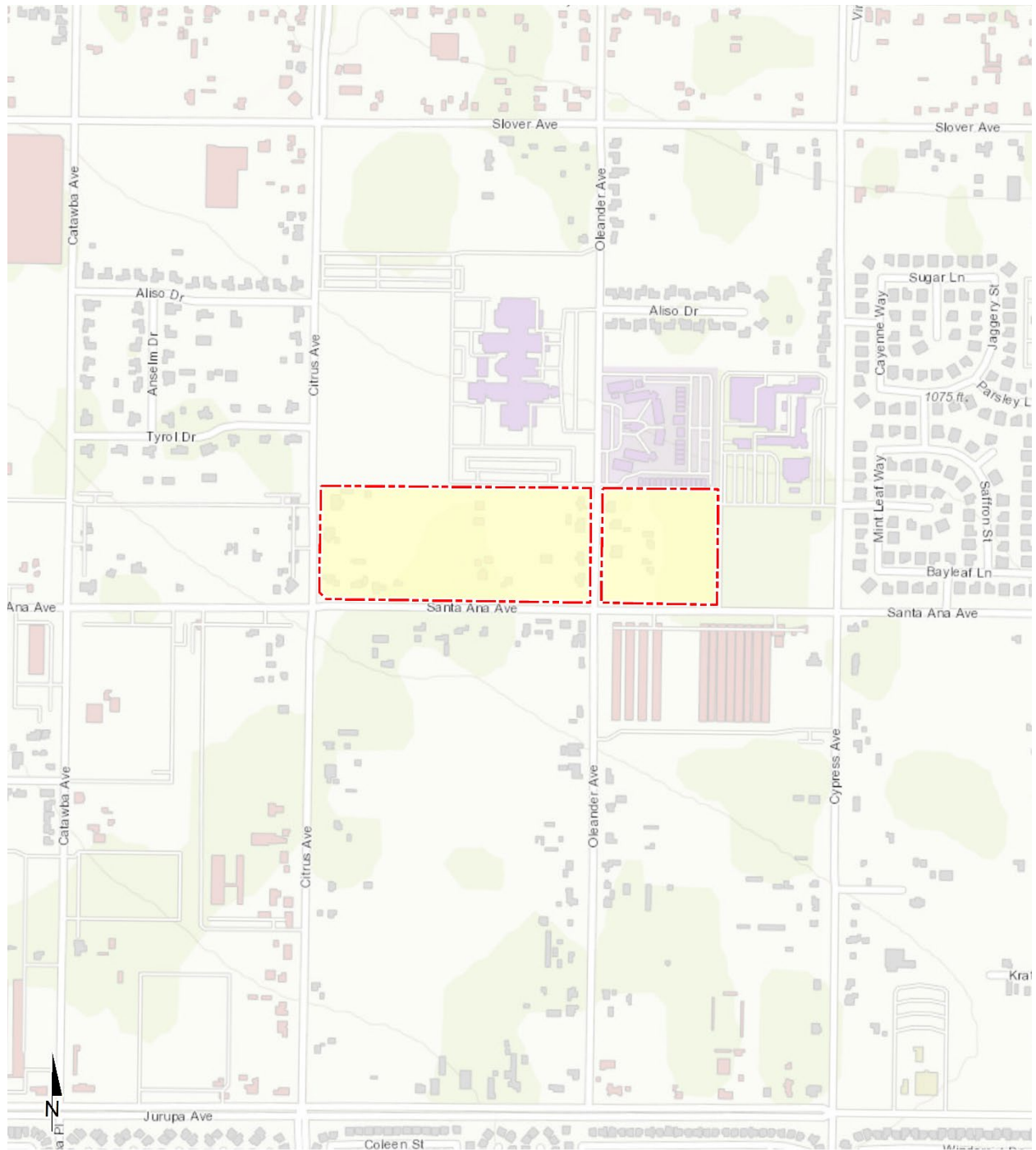
The proposed Project is to consist of the development of 540,849 square feet of warehouse use between 3 warehouse buildings:

- Warehouse building 1: 151,618 square feet
- Warehouse building 2: 196,336 square feet
- Warehouse building 3: 192,895 square feet

The Project is anticipated to be constructed by the year 2025. The preliminary site plan for the proposed Project is shown on Exhibit 1-B.

Per the *Oleander & Santa Ana Avenue Warehouse Traffic Analysis* prepared by Urban Crossroads, Inc., the proposed Project expected to generate approximately 928 total trips per day (464 vehicles inbound + 464 vehicles outbound) which includes 600 passenger car trips per day (300 passenger cars inbound + 300 passenger cars outbound) and 328 truck trips per day (164 trucks inbound + 164 trucks outbound) (3).

**EXHIBIT 1-A: LOCATION MAP**



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS

**EXHIBIT 1-B: SITE PLAN**



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## 2 BACKGROUND

### 2.1 BACKGROUND ON RECOMMENDED METHODOLOGY

This HRA is based on applicable guidelines to produce conservative estimates of human health risk posed by exposure to DPM. The conservative nature of this analysis is due primarily to the following factors:

- The ARB-adopted diesel exhaust Unit Risk Factor (URF) of 300 in one million per  $\mu\text{g}/\text{m}^3$  is based upon the upper 95 percentile of estimated risk for each of the epidemiological studies utilized to develop the URF. Using the 95<sup>th</sup> percentile URF represents a very conservative (health-protective) risk posed by DPM because it represents breathing rates that are high for the human body (95% higher than the average population).
- The emissions derived assume that every truck accessing the Project site will idle for 15 minutes under the unmitigated scenario, and this is an overestimation of actual idling times and thus conservative.<sup>2</sup> The California Air Resources Board (CARB's) anti-idling requirements impose a 5-minute maximum idling time and therefore the analysis conservatively overestimates DPM emissions from idling by a factor of 3.

### 2.2 CONSTRUCTION HEALTH RISK ASSESSMENT

#### 2.2.1 EMISSIONS CALCULATIONS

The emissions calculations for the construction HRA component are based on an assumed mix of construction equipment and hauling activity as presented in the *Oleander & Santa Ana Avenue Warehouse Air Quality Impact Analysis* ("technical study") prepared by Urban Crossroads, Inc. (4)

Construction related DPM emissions are expected to occur primarily as a function of heavy-duty construction equipment that would be operating on-site.

As discussed in the technical study, the Project would result in approximately 381 total working-days of construction activity. The construction duration by phase is shown on Table 2-1. A detailed summary of construction equipment assumptions by phase is provided at Table 2-2. The CalEEMod emissions outputs are presented in Appendix 2.1. The modeled emission sources for construction activity are illustrated on Exhibit 2-A.

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<sup>2</sup> Although the Project is required to comply with ARB's idling limit of 5 minutes, staff at SCAQMD recommends that the on-site idling emissions should be estimated for 15 minutes of truck idling (personal communication, in person, with Jillian Wong, December 22, 2016), which would take into account on-site idling which occurs while the trucks are waiting to pull up to the truck bays, idling at the bays, idling at check-in and check-out, etc.



**TABLE 2-1: CONSTRUCTION DURATION**

Construction Activity	Start Date	End Date	Days
Demolition	1/1/2024	1/29/2024	20
Site Preparation	1/30/2024	3/11/2024	30
Grading	3/12/2024	4/22/2024	30
Building Construction	4/23/2024	6/16/2025	300
Paving	2/11/2025	6/16/2025	90
Architectural Coating	3/25/2025	6/16/2025	60

**TABLE 2-2: CONSTRUCTION EQUIPMENT ASSUMPTIONS**

Construction Activity	Equipment	Amount	Hours Per Day
Demolition	Concrete/Industrial Saws	1	8
	Excavators	3	8
	Rubber Tired Dozers	2	8
Site Preparation	Rubber Tired Dozers	3	8
	Crawler Tractors	4	8
Grading	Excavators	2	8
	Graders	1	8
	Rubber Tired Dozers	1	8
	Scrapers	2	8
	Crawler Tractors	2	8
Building Construction	Cranes	1	8
	Forklifts	6	8
	Generator Sets	2	8
	Tractors/Loaders/Backhoes	6	8
	Welders	2	8
Paving	Pavers	2	8
	Paving Equipment	2	8
	Rollers	2	8
Architectural Coating	Air Compressors	1	8

**EXHIBIT 2-A: MODELED CONSTRUCTION EMISSION SOURCES**



**LEGEND:**  
N  
[Red hatched box] Construction Activity

## 2.3 OPERATIONAL HEALTH RISK ASSESSMENT

### 2.3.1 ON-SITE AND OFF-SITE TRUCK ACTIVITY

Vehicle DPM emissions were calculated using emission factors for particulate matter less than 10 $\mu$ m in diameter (PM<sub>10</sub>) generated with the 2021 version of the Emission FACTor model (EMFAC) developed by the CARB. EMFAC 2021 is a mathematical model that CARB developed to calculate emission rates from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by the ARB to project changes in future emissions from on-road mobile sources (5). The most recent version of this model, EMFAC 2021, incorporates regional motor vehicle data, information and estimates regarding the distribution of vehicle miles traveled (VMT) by speed, and number of starts per day.

Several distinct emission processes are included in EMFAC 2021. Emission factors calculated using EMFAC 2021 are expressed in units of grams per vehicle miles traveled (g/VMT) or grams per idle-hour (g/idle-hr), depending on the emission process. The emission processes and corresponding emission factor units associated with diesel particulate exhaust for this Project are presented below.

For this Project, annual average PM<sub>10</sub> emission factors were generated by running EMFAC 2021 in EMFAC Mode for vehicles in the San Bernardino County jurisdiction. The EMFAC Mode generates emission factors in terms of grams of pollutant emitted per vehicle activity and can calculate a matrix of emission factors at specific values of temperature, relative humidity, and vehicle speed. The model was run for speeds traveled in the vicinity of the Project. The vehicle travel speeds for each segment modeled are summarized below.

- Idling – on-site loading/unloading and truck gate
- 5 miles per hour – on-site vehicle movement including driving and maneuvering
- 25 miles per hour – off-site vehicle movement including driving and maneuvering.

Calculated emission factors are shown at Table 2-3. As a conservative measure, a 2025 EMFAC 2021 run was conducted and a static 2025 emissions factor data set was used for the entire duration of analysis herein (e.g., 30 years). Use of 2025 emission factors would overstate potential impacts since this approach assumes that emission factors remain “static” and do not change over time due to fleet turnover or cleaner technology with lower emissions that would be incorporated into vehicles after 2025. Additionally, based on EMFAC 2021, Light-Heavy-Duty Trucks are comprised of 51.8% diesel, Medium-Heavy-Duty Trucks are comprised of 91.5% diesel, and Heavy-Heavy-Duty Trucks are comprised of 85.1% diesel. Trucks fueled by diesel are accounted for by these percentages accordingly in the emissions factor generation. Appendix 2.2 includes additional details on the emissions estimates from EMFAC.

The vehicle DPM exhaust emissions were calculated for running exhaust emissions. The running exhaust emissions were calculated by applying the running exhaust PM<sub>10</sub> emission factor (g/VMT) from EMFAC over the total distance traveled. The following equation was used to estimate off-site emissions for each of the different vehicle classes comprising the mobile sources (6):

$$\text{Emissions}_{\text{SpeedA}} \text{ (g/s)} = \text{EF}_{\text{RunExhaust}} \text{ (g/VMT)} * \text{Distance (VMT/trip)} * \text{Number of Trips (trips/day)} / \text{seconds per day}$$

Where:

$\text{Emissions}_{\text{SpeedA}}$  (g/s): Vehicle emissions at a given speed A;

$\text{EF}_{\text{RunExhaust}}$  (g/VMT): EMFAC running exhaust PM<sub>10</sub> emission factor at speed A;

Distance (VMT/trip): Total distance traveled per trip.

Similar to off-site traffic, on-site vehicle running emissions were calculated by applying the running exhaust PM<sub>10</sub> emission factor (g/VMT) from EMFAC and the total vehicle trip number over the length of the driving path using the same formula presented above for on-site emissions. In addition, on-site vehicle idling exhaust emissions were calculated by applying the idle exhaust PM<sub>10</sub> emission factor (g/idle-hr) from EMFAC and the total truck trip over the total assumed idle time (15 minutes). The following equation was used to estimate the on-site vehicle idling emissions for each of the different vehicle classes (6):

$$\text{Emissions}_{\text{idle}} \text{ (g/s)} = \text{EF}_{\text{idle}} \text{ (g/hr)} * \text{Number of Trips (trips/day)} * \text{Idling Time (min/trip)} * 60 \text{ minutes per hour} / \text{seconds per day}$$

Where:

$\text{Emissions}_{\text{idle}}$  (g/s): Vehicle emissions during idling;

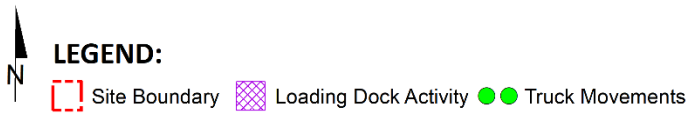
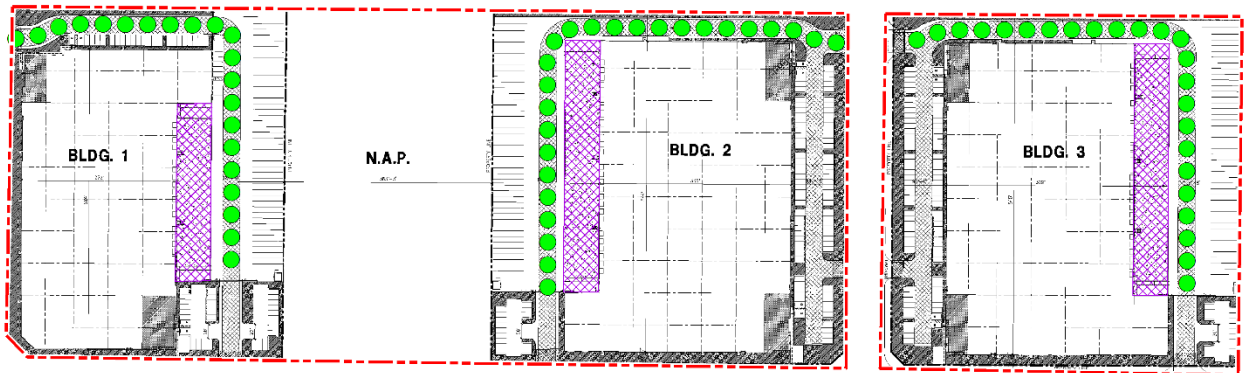
$\text{EF}_{\text{idle}}$  (g/s): EMFAC idle exhaust PM<sub>10</sub> emission factor.

**TABLE 2-3: 2025 WEIGHTED AVERAGE DPM EMISSIONS FACTORS**

Speed	Weighted Average
0 (idling)	0.07797 (g/idle-hr)
5	0.01921 (g/s)
25	0.00812 (g/s)

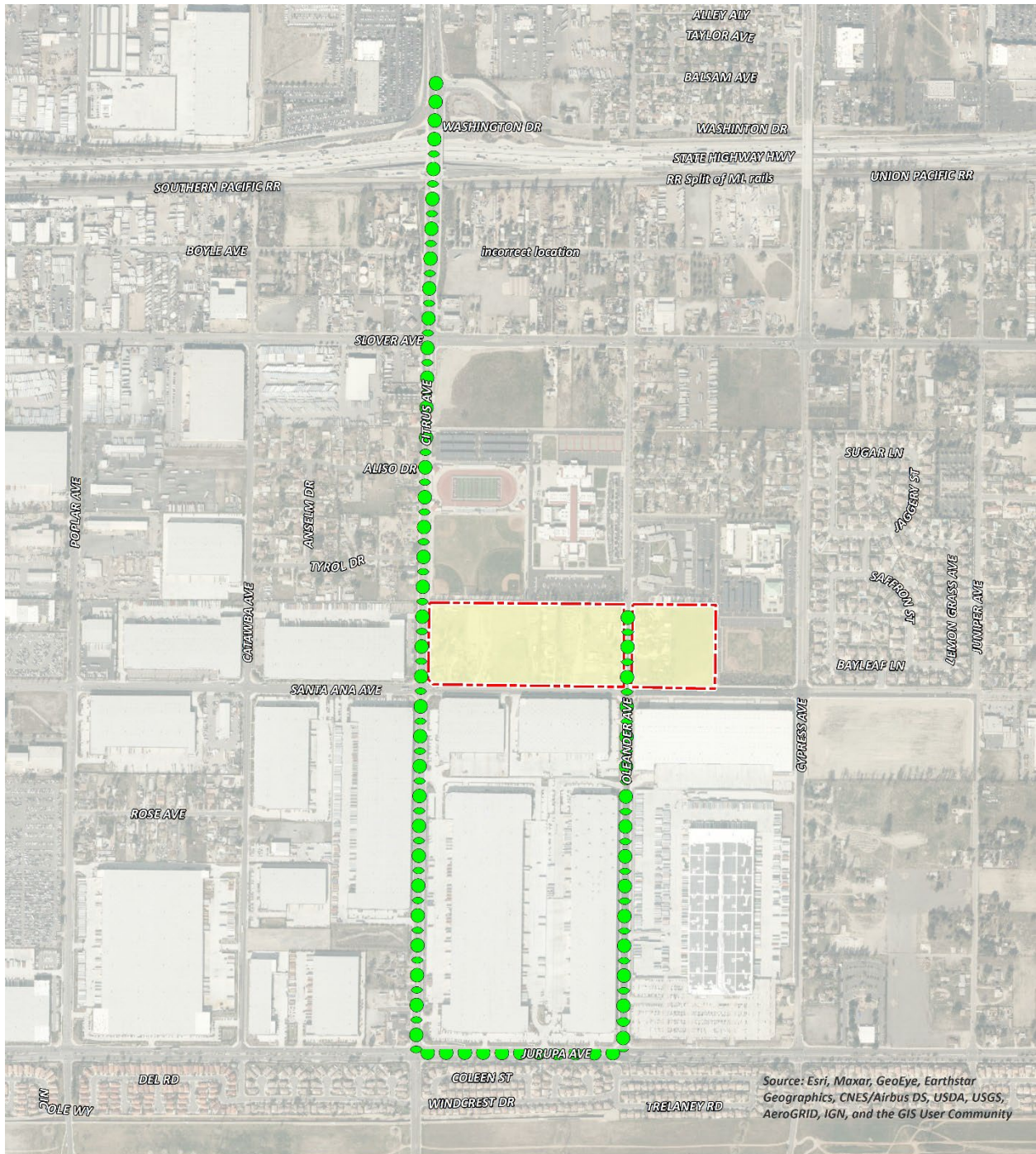
Each roadway was modeled as a line source (made up of multiple adjacent volume sources). Due to the large number of volume sources modeled for this analysis, the corresponding coordinates of each volume source have not been included in this report but are included in Appendix 2.3. The DPM emission rate for each volume source was calculated by multiplying the emission factor (based on the average travel speed along the roadway) by the number of trips and the distance traveled along each roadway segment and dividing the result by the number of volume sources along that roadway, as illustrated on Table 2-4. The modeled emission sources are illustrated on Exhibit 2-B for on-site sources and Exhibit 2-C for off-site sources. The modeling domain is limited to the Project’s primary truck route and includes off-site sources in the study area for more than ¼ mile. This modeling domain is more inclusive and conservative than using only a ¼ mile modeling domain which is the distance supported by several reputable studies which conclude that the greatest potential risks occur within a ¼ mile of the primary source of emissions (7) (in the case of the Project, the primary source of emissions is the on-site idling and on-site travel).

**EXHIBIT 2-B: MODELED ON-SITE EMISSION SOURCES**





**EXHIBIT 2-C: MODELED OFF-SITE EMISSION SOURCES**



**TABLE 2-4: DPM EMISSIONS FROM PROJECT TRUCKS (2025 ANALYSIS YEAR)**

Truck Emission Rates						
Source	Trucks Per Day	VMT <sup>a</sup> (miles/day)	Truck Emission Rate <sup>b</sup> (grams/mile)	Truck Emission Rate <sup>b</sup> (grams/idle-hour)	Daily Truck Emissions <sup>c</sup> (grams/day)	Modeled Emission Rates (g/second)
On-Site Idling - Bldg 1	47			0.0780	0.92	1.060E-05
On-Site Idling - Bldg 2	59			0.0780	1.15	1.331E-05
On-Site Idling - Bldg 3	58			0.0780	1.13	1.309E-05
On-Site Travel - Bldg 1	94	14.84	0.0192		0.28	3.298E-06
On-Site Travel - Bldg 2	118	21.86	0.0192		0.42	4.859E-06
On-Site Travel - Bldg 3	116	21.23	0.0192		0.41	4.721E-06
Off-Site Travel - Oleander Avenue 72% Inbound/Outbound	234	148.19	0.0081		1.20	1.393E-05
Off-Site Travel - Jurupa/Citrus Avenue 72% Inbound/Outbound	234	217.78	0.0081		1.77	2.047E-05
Off-Site Travel - Citrus Avenue 100% Inbound/Outbound	328	247.26	0.0081		2.01	2.324E-05

<sup>a</sup> Vehicle miles traveled are for modeled truck route only.

<sup>b</sup> Emission rates determined using EMFAC 2021. Idle emission rates are expressed in grams per idle hour rather than grams per mile.

<sup>c</sup> This column includes the total truck travel and truck idle emissions. For idle emissions this column includes emissions based on the assumption that each truck idles for 15 minutes.

On-site truck idling was estimated to occur as trucks enter and travel through the Project site. Although the Project’s diesel-fueled truck and equipment operators will be required by State law to comply with CARB’s idling limit of 5 minutes, staff at SCAQMD recommends that the on-site idling emissions be calculated assuming 15 minutes of truck idling (8), which would take into account on-site idling which occurs while the trucks are waiting to pull up to the truck bays, idling at the bays, idling at check-in and check-out, etc. As such, this analysis calculates truck idling at 15 minutes, consistent with SCAQMD’s recommendation.

As summarized in the *Oleander & Santa Ana Avenue Warehouse Traffic Analysis* prepared by Urban Crossroads, Inc., the Project is expected to generate a total of approximately 557 actual vehicular trips-ends per day (279 vehicles inbound + 279 vehicles outbound) which includes 469 passenger vehicle trips (235 passenger vehicles inbound + 235 passenger vehicles outbound) and 88 two-way truck trips (44 trucks inbound per day + 44 trucks outbound) per day (3).

## 2.4 EXPOSURE QUANTIFICATION

The analysis herein has been conducted in accordance with the guidelines in the Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (1). The Environmental Protection Agency’s (U.S. EPA’s) AERMOD model has been utilized. For purposes of this analysis, the Lakes AERMOD View (Version 11.2.0) was used to calculate annual average particulate concentrations associated with site operations. Lakes AERMOD View was utilized to incorporate the U.S. EPA’s latest AERMOD Version 22112 (9).

The model offers additional flexibility by allowing the user to assign an initial release height and vertical dispersion parameters for mobile sources representative of a roadway. For this HRA, the roadways were modeled as adjacent volume sources. Roadways were modeled using the U.S. EPA’s haul route methodology for modeling of on-site and off-site truck movement. More specifically, the Haul Road Volume Source Calculator in Lakes AERMOD View has been utilized to determine the release height parameters. Based on the US EPA methodology, the Project’s modeled sources would result in a release height of 3.49 meters and an initial lateral dimension of 4.0 meters, and an initial vertical dimension of 3.25 meters.

Model parameters are presented in Table 2-5 (10). The model requires additional input parameters including emission data and local meteorology. Meteorological data from the SCAQMD’s Fontana monitoring station was used to represent local weather conditions and prevailing winds (11).

**TABLE 2-5: AERMOD MODEL PARAMETERS**

Dispersion Coefficient (Urban/Rural)	Urban (population 2,035,210)
Terrain (Flat/Elevated)	Elevated (Regulatory Default)
Averaging Time	1 year (5-year Meteorological Data Set)
Receptor Height	0 meters (Regulatory Default)

Universal Transverse Mercator (UTM) coordinates for World Geodetic System (WGS) 84 were used to locate the Project site boundaries, each volume source location, and receptor locations in the Project vicinity. The AERMOD dispersion model summary output files for the Project are



presented in Appendix 2.3. Modeled sensitive receptors were placed at residential and non-residential locations.

Receptors may be placed at applicable structure locations for residential and worker property and not necessarily the boundaries of the properties containing these uses because the human receptors (residents and workers) spend a majority of their time at the residence or in the workplace’s building, and not on the property line. It should be noted that the primary purpose of receptor placement is focused on long-term exposure. For example, the HRA evaluates the potential health risks to residents and workers over a period of 30 or 25 years of exposure, respectively. Notwithstanding, as a conservative measure, receptors were placed at either the outdoor living area or the building façade, whichever is closer to the Project site.

For purposes of this HRA, receptors include both residential and non-residential (worker) land uses in the vicinity of the Project. These receptors are included in the HRA since residents and workers may be exposed at these locations over a long-term duration of 30 and 25 years, respectively. This methodology is consistent with SCAQMD and OEHHA recommended guidance.

Any impacts to residents or workers located further away from the Project site than the modeled residential and workers would have a lesser impact than what has already been disclosed in the HRA at the MEIR and MEIW because concentrations dissipate with distance.

All receptors were set to existing elevation height so that only ground-level concentrations are analyzed. United States Geological Survey (USGS) Digital Elevation Model (DEM) terrain data based on a 7.5-minute topographic quadrangle map series using AERMAP was utilized in the HRA modeling to set elevations (12).

Discrete variants for daily breathing rates, exposure frequency, and exposure duration were obtained from relevant distribution profiles presented in the 2015 OEHHA Guidelines. Tables 2-6 through 2-9 summarize the Exposure Parameters for Residents, Workers, and School Children based on 2015 OEHHA Guidelines. Appendix 2.4 includes the detailed risk calculation.

**TABLE 2-6: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (CONSTRUCTION ACTIVITY)**

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Fraction of Time at Home	Exposure Frequency (days/year)	Exposure Time (hours/day)
0 to 2	1,090	10	1.46	1.00	260	8

**TABLE 2-7: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (30 YEAR RESIDENTIAL)**

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Fraction of Time at Home	Exposure Frequency (days/year)	Exposure Time (hours/day)
-0.25 to 0	361	10	0.25	0.85	350	24
0 to 2	1,090	10	2	0.85	350	24
2 to 16	572	3	14	0.72	350	24
16 to 30	261	1	14	0.73	350	24

**TABLE 2-8: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (25 YEAR WORKER)**

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Exposure Frequency (days/year)	Exposure Time (hours/day)
16 to 41	230	1	25	250	12

**TABLE 2-9: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (9 YEAR SCHOOL CHILD)**

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Exposure Frequency (days/year) <sup>a</sup>	Exposure Time (hours/day)
4 to 13	631	3	9	180	12

<sup>a</sup> To represent the unique characteristics of the school-based population, the assessment employed the U.S. Environmental Protection Agency's guidance to develop viable dose estimates based on reasonable maximum exposures (RME). RME's are defined as the "highest exposure that is reasonably expected to occur" for a given receptor population. As a result, lifetime risk values for the student population were adjusted to account for an exposure duration of 180 days per year for nine (9) years. The 9 year exposure duration is also consistent with OEHHA Recommendations and consistent with the exposure duration utilized in school-based risk assessments for various schools within the Los Angeles County Unified School District (LAUSD) that have been accepted by the SCAQMD.

## 2.5 CARCINOGENIC CHEMICAL RISK

Excess cancer risks are estimated as the upper-bound incremental probability that an individual will develop cancer over a lifetime as a direct result of exposure to potential carcinogens over a specified exposure duration. The estimated risk is expressed as a unitless probability. The cancer risk attributed to a chemical is calculated by multiplying the chemical intake or dose at the human exchange boundaries (e.g., lungs) by the chemical-specific cancer potency factor (CPF). A risk level of 10 in one million implies a likelihood that up to 10 people, out of one million equally exposed people would contract cancer if exposed continuously (24 hours per day) to the levels of toxic air contaminants over a specified duration of time.

Guidance from CARB and the California Environmental Protection Agency, Office of Environmental Health Hazard Assessment (OEHHA) recommends a refinement to the standard

point estimate approach when alternate human body weights and breathing rates are utilized 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. Once determined, contaminant dose is multiplied by the cancer potency factor (CPF) in units of inverse dose expressed in milligrams per kilogram per day (mg/kg/day)<sup>-1</sup> to derive the cancer risk estimate. Therefore, to assess exposures, the following dose algorithm was utilized.

$$\text{DOSE}_{\text{air}} = (\text{C}_{\text{air}} \times [\text{BR}/\text{BW}] \times \text{A} \times \text{EF}) \times (1 \times 10^{-6})$$

Where:

DOSE <sub>air</sub>	=	chronic daily intake (mg/kg/day)
C <sub>air</sub>	=	concentration of contaminant in air (ug/m <sup>3</sup> )
[BR/BW] BW-day)	=	daily breathing rate normalized to body weight (L/kg)
A	=	inhalation absorption factor
EF	=	exposure frequency (days/365 days)
BW	=	body weight (kg)
1 x 10 <sup>-6</sup>	=	conversion factors (ug to mg, L to m <sup>3</sup> )
RISK <sub>air</sub>	=	DOSE <sub>air</sub> x CPF x ED/AT

Where:

DOSE <sub>air</sub>	=	chronic daily intake (mg/kg/day)
CPF	=	cancer potency factor
ED	=	number of years within particular age group
AT	=	averaging time

## 2.6 NON-CARCINOGENIC EXPOSURES

An evaluation of the potential noncarcinogenic effects of chronic exposures was also conducted. Adverse health effects are evaluated by comparing a compound's annual concentration with its toxicity factor or Reference Exposure Level (REL). The REL for diesel particulates was obtained from OEHHA for this analysis. The chronic reference exposure level (REL) for DPM was established by OEHHA as 5 µg/m<sup>3</sup> (13).

The non-cancer hazard index was calculated as follows:

The relationship for the non-cancer health effects of DPM is given by the following equation:

$$\text{HI}_{\text{DPM}} = \text{C}_{\text{DPM}}/\text{REL}_{\text{DPM}}$$

Where:

- $HI_{DPM}$  = Hazard Index; an expression of the potential for non-cancer health effects.
- $C_{DPM}$  = Annual average DPM concentration ( $\mu\text{g}/\text{m}^3$ ).
- $REL_{DPM}$  = Reference exposure level (REL) for DPM; the DPM concentration at which no adverse health effects are anticipated.

For purposes of this analysis the hazard index for the respiratory endpoint totaled less than one for all receptors in the project vicinity, and thus is less than significant.

## 2.7 POTENTIAL PROJECT DPM-SOURCE CANCER AND NON-CANCER RISKS

### CONSTRUCTION IMPACTS

The land use with the greatest potential exposure to Project construction-source DPM emissions is Location R7 which is located approximately 740 feet east of the Project site at an existing residence located at 10788 Mint Leaf Way. R7 is placed in the private outdoor living areas (backyard) facing the Project site. At the MEIR, the maximum incremental cancer risk attributable to Project construction-source DPM emissions is estimated at 1.24 in one million, which is less than the SCAQMD's significance threshold of 10 in one million. At this same location, non-cancer risks were estimated to be  $<0.01$ , which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent land uses as a result of Project construction activity. All other receptors during construction activity would experience less risk than what is identified for this location. The modeled receptors are illustrated on Exhibit 2-D.

### OPERATIONAL IMPACTS

#### Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project operational-source DPM emissions is Location R1 which is located approximately 239 feet northwest of the Project site at an existing residence located at 16079 Tyrol Drive. R1 is placed in the private outdoor living areas (backyard) facing the Project site. At the MEIR, the maximum incremental cancer risk attributable to Project operational-source DPM emissions is estimated at 1.19 in one million, which is less than the SCAQMD's significance threshold of 10 in one million. At this same location, non-cancer risks were estimated to be  $<0.01$ , which would not exceed the applicable significance threshold of 1.0. Because all other modeled residential receptors are exposed to lesser concentrations and are located at a greater distance from the Project site and primary truck route than the MEIR analyzed herein, and TACs generally dissipates with distance from the source, all other residential receptors in the vicinity of the Project site would be exposed to less emissions and therefore less risk than the MEIR identified herein. As such, the Project will not cause a significant human health or cancer risk to nearby residences. The modeled receptors are illustrated on Exhibit 2-D.

Worker Exposure Scenario<sup>3</sup>:

The worker receptor land use with the greatest potential exposure to Project operational -source DPM emissions is Location R4, which represents the adjacent potential worker receptor to the north of the Project site. At the MEIW, the maximum incremental cancer risk impact is 0.26 in one million which is less than the SCAQMD's threshold of 10 in one million. Maximum non-cancer risks at this same location were estimated to be <0.01, which would not exceed the applicable significance threshold of 1.0. Because all other modeled worker receptors are located at a greater distance than the MEIW analyzed herein, and DPM dissipates with distance from the source, all other worker receptors in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEIW identified herein. As such, the Project will not cause a significant human health or cancer risk to adjacent workers. The modeled receptors are illustrated on Exhibit 2-D.

School Child Exposure Scenario:

The nearest schools are Fontana Adult School, Citrus High School, and Jurupa Hills High School, located approximately 13, 330, and 332 feet north of the Project site, respectively. At the MEISC, the maximum incremental cancer risk impact attributable to the Project is calculated to be 0.50 in one million, which is less than the significance threshold of 10 in one million. At this same location, non-cancer risks attributable to the Project were calculated to be <0.01, which would not exceed the applicable significance threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to nearby school children.

**CONSTRUCTION AND OPERATIONAL IMPACTS**

The land use with the greatest potential exposure to Project construction-source and operational-source DPM emissions is Location R1. At the MEIR, the maximum incremental cancer risk attributable to Project construction-source and operational-source DPM emissions is estimated at 1.68 in one million, which is less than the threshold of 10 in one million. At this same location, non-cancer risks were estimated to be <0.01, which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent land uses as a result of Project construction and operational activity. All other receptors during construction and operational activity would experience less risk than what is identified for this location. The modeled receptors are illustrated on Exhibit 2-D.

It should be noted that the receptors presented in Exhibit 2-D do not represent all modeled receptors.

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3 SCAQMD guidance does not require assessment of the potential health risk to on-site workers. Excerpts from the document OEHHA Air Toxics Hot Spots Program Risk Assessment Guidelines—The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments (OEHHA 2003), also indicate that it is not necessary to examine the health effects to on-site workers unless required by RCRA (Resource Conservation and Recovery Act) / CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act) or the worker resides on-site.

### EXHIBIT 2-D: RECEPTOR LOCATIONS



**LEGEND:**

-  Site Boundary
-  Receptor Locations
-  Distance from receptor to Project site boundary (in feet)

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### 3 REFERENCES

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## 4 CERTIFICATIONS

The contents of this health risk assessment represent an accurate depiction of the impacts to sensitive receptors associated with the proposed Oleander & Santa Ana Avenue Warehouse Project. The information contained in this health risk assessment report is based on the best available data at the time of preparation. If you have any questions, please contact me at (949) 660-1994.

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Master of Science in Environmental Studies  
California State University, Fullerton • May 2010

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University of California, Irvine • June 2006

### PROFESSIONAL AFFILIATIONS

AEP – Association of Environmental Planners  
AWMA – Air and Waste Management Association  
ASTM – American Society for Testing and Materials

### PROFESSIONAL CERTIFICATIONS

Environmental Site Assessment – American Society for Testing and Materials • June 2013  
Planned Communities and Urban Infill – Urban Land Institute • June 2011  
Indoor Air Quality and Industrial Hygiene – EMSL Analytical • April 2008  
Principles of Ambient Air Monitoring – California Air Resources Board • August 2007  
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**APPENDIX 2.1:**  
**CALEEMOD OUTPUTS**

# 14581 Oleander and Santa Ana Detailed Report

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# 1. Basic Project Information

## 1.1. Basic Project Information

Data Field	Value
Project Name	14581 Oleander and Santa Ana
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.80
Precipitation (days)	6.80
Location	34.05711223969459, -117.45159767923579
County	San Bernardino-South Coast
City	Fontana
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5310
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

## 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
Unrefrigerated Warehouse-No Rail	541	1000sqft	12.4	540,849	159,626	—	—	—
Parking Lot	396	Space	3.56	0.00	0.00	—	—	—

Other Asphalt Surfaces	4.79	Acre	4.79	0.00	0.00	—	—	—
User Defined Industrial	541	User Defined Unit	0.00	0.00	0.00	—	—	—

### 1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

## 2. Emissions Summary

### 2.1. 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.	5.29	49.0	37.9	60.4	0.07	1.78	4.36	5.56	1.64	1.06	2.69	—	12,172	12,172	0.58	0.52	21.1	12,362
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.47	48.9	42.9	54.9	0.07	2.25	5.95	8.21	2.07	2.76	4.83	—	11,836	11,836	0.58	0.52	0.55	12,005
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.05	8.62	20.1	27.8	0.04	0.86	2.57	3.43	0.79	0.75	1.54	—	6,058	6,058	0.30	0.26	4.30	6,148
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.56	1.57	3.67	5.07	0.01	0.16	0.47	0.63	0.14	0.14	0.28	—	1,003	1,003	0.05	0.04	0.71	1,018

### 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	4.83	4.05	37.9	45.9	0.06	1.78	3.57	4.77	1.64	1.06	2.69	—	9,735	9,735	0.48	0.47	19.2	9,908
2025	5.29	49.0	31.3	60.4	0.07	1.20	4.36	5.56	1.11	1.05	2.15	—	12,172	12,172	0.58	0.52	21.1	12,362
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	5.47	4.59	42.9	41.2	0.06	2.25	5.95	8.21	2.07	2.76	4.83	—	9,464	9,464	0.49	0.47	0.50	9,618
2025	5.20	48.9	31.5	54.9	0.07	1.20	4.36	5.56	1.11	1.05	2.15	—	11,836	11,836	0.58	0.52	0.55	12,005
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	3.05	2.52	20.1	27.8	0.04	0.86	2.57	3.43	0.79	0.75	1.54	—	6,058	6,058	0.30	0.26	4.30	6,148
2025	1.55	8.62	9.50	16.6	0.02	0.36	1.31	1.66	0.33	0.31	0.64	—	3,622	3,622	0.18	0.16	2.79	3,678
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.56	0.46	3.67	5.07	0.01	0.16	0.47	0.63	0.14	0.14	0.28	—	1,003	1,003	0.05	0.04	0.71	1,018
2025	0.28	1.57	1.73	3.04	< 0.005	0.07	0.24	0.30	0.06	0.06	0.12	—	600	600	0.03	0.03	0.46	609

## 2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	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.	9.31	19.6	31.1	54.7	0.28	0.47	5.45	5.92	0.46	1.23	1.68	514	34,520	35,034	54.7	4.97	92.8	37,975
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.99	15.6	32.4	29.3	0.28	0.44	5.45	5.89	0.42	1.23	1.64	514	34,226	34,739	54.7	4.98	2.41	37,593

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.50	17.5	24.1	37.8	0.21	0.34	3.99	4.33	0.33	0.90	1.23	514	26,028	26,542	54.0	3.81	29.3	29,058
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.19	3.20	4.40	6.91	0.04	0.06	0.73	0.79	0.06	0.16	0.22	85.0	4,309	4,394	8.94	0.63	4.86	4,811

## 2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.12	2.69	30.9	31.2	0.28	0.44	5.45	5.89	0.42	1.23	1.64	—	31,081	31,081	2.38	4.35	92.8	32,530
Area	4.18	16.9	0.20	23.5	< 0.005	0.03	—	0.03	0.04	—	0.04	—	96.7	96.7	< 0.005	< 0.005	—	97.1
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	2,516	2,516	0.24	0.03	—	2,530
Water	—	—	—	—	—	—	—	—	—	—	—	240	826	1,066	24.7	0.59	—	1,859
Waste	—	—	—	—	—	—	—	—	—	—	—	274	0.00	274	27.4	0.00	—	959
Total	9.31	19.6	31.1	54.7	0.28	0.47	5.45	5.92	0.46	1.23	1.68	514	34,520	35,034	54.7	4.97	92.8	37,975
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.99	2.55	32.4	29.3	0.28	0.44	5.45	5.89	0.42	1.23	1.64	—	30,884	30,884	2.39	4.36	2.41	32,244
Area	—	13.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	2,516	2,516	0.24	0.03	—	2,530
Water	—	—	—	—	—	—	—	—	—	—	—	240	826	1,066	24.7	0.59	—	1,859
Waste	—	—	—	—	—	—	—	—	—	—	—	274	0.00	274	27.4	0.00	—	959
Total	4.99	15.6	32.4	29.3	0.28	0.44	5.45	5.89	0.42	1.23	1.64	514	34,226	34,739	54.7	4.98	2.41	37,593

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.64	1.86	23.9	21.7	0.21	0.32	3.99	4.31	0.31	0.90	1.20	—	22,619	22,619	1.75	3.19	29.3	23,643
Area	2.86	15.7	0.14	16.1	< 0.005	0.02	—	0.02	0.03	—	0.03	—	66.3	66.3	< 0.005	< 0.005	—	66.5
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	2,516	2,516	0.24	0.03	—	2,530
Water	—	—	—	—	—	—	—	—	—	—	—	240	826	1,066	24.7	0.59	—	1,859
Waste	—	—	—	—	—	—	—	—	—	—	—	274	0.00	274	27.4	0.00	—	959
Total	6.50	17.5	24.1	37.8	0.21	0.34	3.99	4.33	0.33	0.90	1.23	514	26,028	26,542	54.0	3.81	29.3	29,058
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.66	0.34	4.37	3.97	0.04	0.06	0.73	0.79	0.06	0.16	0.22	—	3,745	3,745	0.29	0.53	4.86	3,914
Area	0.52	2.86	0.02	2.94	< 0.005	< 0.005	—	< 0.005	0.01	—	0.01	—	11.0	11.0	< 0.005	< 0.005	—	11.0
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	417	417	0.04	< 0.005	—	419
Water	—	—	—	—	—	—	—	—	—	—	—	39.7	137	176	4.08	0.10	—	308
Waste	—	—	—	—	—	—	—	—	—	—	—	45.4	0.00	45.4	4.53	0.00	—	159
Total	1.19	3.20	4.40	6.91	0.04	0.06	0.73	0.79	0.06	0.16	0.22	85.0	4,309	4,394	8.94	0.63	4.86	4,811

### 3. Construction Emissions Details

#### 3.1. Demolition (2024) - 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	3.12	2.62	24.9	21.7	0.03	1.06	—	1.06	0.98	—	0.98	—	3,425	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	—	—	0.88	0.88	—	0.13	0.13	—	—	—	—	—	—	—
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	0.17	0.14	1.36	1.19	< 0.005	0.06	—	0.06	0.05	—	0.05	—	188	188	0.01	< 0.005	—	188
Demolition	—	—	—	—	—	—	0.05	0.05	—	0.01	0.01	—	—	—	—	—	—	—
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	0.03	0.03	0.25	0.22	< 0.005	0.01	—	0.01	0.01	—	0.01	—	31.1	31.1	< 0.005	< 0.005	—	31.2
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 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	0.08	0.07	0.09	0.96	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	198	198	0.01	0.01	0.02	200
Vendor	0.02	< 0.005	0.19	0.10	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	—	157	157	0.01	0.02	0.01	164
Hauling	0.15	0.02	1.43	0.77	0.01	0.02	0.08	0.10	0.01	0.03	0.04	—	1,113	1,113	0.12	0.18	0.06	1,169
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—



Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	11.0	11.0	< 0.005	< 0.005	0.02	11.2
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.59	8.59	< 0.005	< 0.005	0.01	9.00
Hauling	0.01	< 0.005	0.08	0.04	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	61.0	61.0	0.01	0.01	0.06	64.1
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	1.82	1.82	< 0.005	< 0.005	< 0.005	1.85
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.42	1.42	< 0.005	< 0.005	< 0.005	1.49
Hauling	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.1	10.1	< 0.005	< 0.005	0.01	10.6

### 3.3. Site Preparation (2024) - 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	5.35	4.49	42.5	35.3	0.05	2.25	—	2.25	2.07	—	2.07	—	5,529	5,529	0.22	0.04	—	5,548
Dust From Material Movement	—	—	—	—	—	—	5.66	5.66	—	2.69	2.69	—	—	—	—	—	—	—
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	0.44	0.37	3.49	2.90	< 0.005	0.19	—	0.19	0.17	—	0.17	—	454	454	0.02	< 0.005	—	456

Dust From Material Movement:	—	—	—	—	—	—	0.47	0.47	—	0.22	0.22	—	—	—	—	—	—	—
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	0.08	0.07	0.64	0.53	< 0.005	0.03	—	0.03	0.03	—	0.03	—	75.2	75.2	< 0.005	< 0.005	—	75.5
Dust From Material Movement:	—	—	—	—	—	—	0.08	0.08	—	0.04	0.04	—	—	—	—	—	—	—
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	0.10	0.09	0.10	1.12	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	231	231	0.01	0.01	0.03	234
Vendor	0.02	0.01	0.26	0.14	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	0.01	—	220	220	0.02	0.03	0.02	230
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	0.10	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	19.2	19.2	< 0.005	< 0.005	0.04	19.5
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	18.0	18.0	< 0.005	< 0.005	0.02	18.9
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	3.19	3.19	< 0.005	< 0.005	0.01	3.23
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.99	2.99	< 0.005	< 0.005	< 0.005	3.13

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	0.00
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### 3.5. Grading (2024) - 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	4.69	3.94	37.6	31.4	0.06	1.77	—	1.77	1.63	—	1.63	—	6,715	6,715	0.27	0.05	—	6,738
Dust From Material Movement	—	—	—	—	—	—	2.67	2.67	—	0.98	0.98	—	—	—	—	—	—	—
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	4.69	3.94	37.6	31.4	0.06	1.77	—	1.77	1.63	—	1.63	—	6,715	6,715	0.27	0.05	—	6,738
Dust From Material Movement	—	—	—	—	—	—	2.67	2.67	—	0.98	0.98	—	—	—	—	—	—	—
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	0.39	0.32	3.09	2.58	0.01	0.15	—	0.15	0.13	—	0.13	—	552	552	0.02	< 0.005	—	554

Dust From Material Movement:	—	—	—	—	—	—	0.22	0.22	—	0.08	0.08	—	—	—	—	—	—	—
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	0.07	0.06	0.56	0.47	< 0.005	0.03	—	0.03	0.02	—	0.02	—	91.4	91.4	< 0.005	< 0.005	—	91.7
Dust From Material Movement:	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
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	0.11	0.10	0.10	1.69	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	288	288	0.01	0.01	1.15	292
Vendor	0.02	0.01	0.25	0.13	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	0.01	—	219	219	0.02	0.03	0.61	230
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	0.11	0.10	0.11	1.28	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	264	264	0.01	0.01	0.03	267
Vendor	0.02	0.01	0.26	0.14	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	0.01	—	220	220	0.02	0.03	0.02	230
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	0.11	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	22.0	22.0	< 0.005	< 0.005	0.04	22.3
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	18.0	18.0	< 0.005	< 0.005	0.02	18.9
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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	3.64	3.64	< 0.005	< 0.005	0.01	3.69
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.99	2.99	< 0.005	< 0.005	< 0.005	3.13
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

### 3.7. Building Construction (2024) - 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	2.63	2.20	20.3	25.3	0.04	0.91	—	0.91	0.84	—	0.84	—	4,270	4,270	0.17	0.03	—	4,285
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	2.63	2.20	20.3	25.3	0.04	0.91	—	0.91	0.84	—	0.84	—	4,270	4,270	0.17	0.03	—	4,285
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	1.30	1.09	10.1	12.5	0.02	0.45	—	0.45	0.42	—	0.42	—	2,114	2,114	0.09	0.02	—	2,122
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	0.20	1.84	2.29	< 0.005	0.08	—	0.08	0.08	—	0.08	—	350	350	0.01	< 0.005	—	351

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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.30	1.19	1.10	19.2	0.00	0.00	0.19	0.19	0.00	0.00	0.00	—	3,270	3,270	0.14	0.11	13.1	3,320	
Vendor	0.23	0.06	2.52	1.35	0.02	0.03	0.13	0.16	0.03	0.05	0.08	—	2,195	2,195	0.17	0.33	6.12	2,303	
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	1.24	1.12	1.30	14.5	0.00	0.00	0.19	0.19	0.00	0.00	0.00	—	2,997	2,997	0.14	0.11	0.34	3,035	
Vendor	0.23	0.06	2.62	1.37	0.02	0.03	0.13	0.16	0.03	0.05	0.08	—	2,196	2,196	0.17	0.33	0.16	2,298	
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	0.61	0.55	0.64	7.55	0.00	0.00	0.09	0.09	0.00	0.00	0.00	—	1,505	1,505	0.07	0.06	2.79	1,526	
Vendor	0.11	0.03	1.31	0.67	0.01	0.02	0.06	0.08	0.02	0.02	0.04	—	1,087	1,087	0.08	0.16	1.30	1,138	
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	0.11	0.10	0.12	1.38	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	249	249	0.01	0.01	0.46	253	
Vendor	0.02	0.01	0.24	0.12	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	—	180	180	0.01	0.03	0.22	188	
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	

### 3.9. Building Construction (2025) - 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	2.45	2.05	19.0	25.2	0.04	0.78	—	0.78	0.72	—	0.72	—	4,270	4,270	0.17	0.03	—	4,285
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	2.45	2.05	19.0	25.2	0.04	0.78	—	0.78	0.72	—	0.72	—	4,270	4,270	0.17	0.03	—	4,285
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	0.80	0.67	6.20	8.23	0.01	0.26	—	0.26	0.24	—	0.24	—	1,396	1,396	0.06	0.01	—	1,400
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	0.15	0.12	1.13	1.50	< 0.005	0.05	—	0.05	0.04	—	0.04	—	231	231	0.01	< 0.005	—	232
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	1.15	1.04	1.00	17.7	0.00	0.00	0.19	0.19	0.00	0.00	0.00	—	3,201	3,201	0.13	0.11	11.9	3,250
Vendor	0.21	0.06	2.40	1.30	0.02	0.03	0.13	0.16	0.03	0.05	0.08	—	2,159	2,159	0.17	0.33	6.08	2,267
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	1.09	0.98	1.10	13.3	0.00	0.00	0.19	0.19	0.00	0.00	0.00	—	2,935	2,935	0.14	0.11	0.31	2,972
Vendor	0.21	0.06	2.50	1.30	0.02	0.03	0.13	0.16	0.03	0.05	0.08	—	2,161	2,161	0.17	0.33	0.16	2,262
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	0.35	0.31	0.39	4.60	0.00	0.00	0.06	0.06	0.00	0.00	0.00	—	973	973	0.05	0.04	1.68	986
Vendor	0.07	0.02	0.82	0.42	0.01	0.01	0.04	0.05	0.01	0.02	0.03	—	706	706	0.05	0.11	0.86	740
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	0.06	0.06	0.07	0.84	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	161	161	0.01	0.01	0.28	163
Vendor	0.01	< 0.005	0.15	0.08	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	117	117	0.01	0.02	0.14	123
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

### 3.11. Paving (2025) - 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	0.95	0.80	7.45	9.98	0.01	0.35	—	0.35	0.32	—	0.32	—	1,511	1,511	0.06	0.01	—	1,517
Paving	—	0.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.95	0.80	7.45	9.98	0.01	0.35	—	0.35	0.32	—	0.32	—	1,511	1,511	0.06	0.01	—	1,517
Paving	—	0.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.23	0.20	1.84	2.46	< 0.005	0.09	—	0.09	0.08	—	0.08	—	373	373	0.02	< 0.005	—	374
Paving	—	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.04	0.04	0.34	0.45	< 0.005	0.02	—	0.02	0.01	—	0.01	—	61.7	61.7	< 0.005	< 0.005	—	61.9
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.08	0.07	0.07	1.17	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	211	211	0.01	0.01	0.78	215
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	0.07	0.06	0.07	0.88	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	194	194	0.01	0.01	0.02	196

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	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.23	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	48.5	48.5	< 0.005	< 0.005	0.08	49.1	
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	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	8.02	8.02	< 0.005	< 0.005	0.01	8.14	
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	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	0.00

### 3.13. Architectural Coating (2025) - 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	0.21	0.17	1.18	1.52	< 0.005	0.04	—	0.04	0.03	—	0.03	—	178	178	0.01	< 0.005	—	179
Architect ural Coatings	—	44.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.21	0.17	1.18	1.52	< 0.005	0.04	—	0.04	0.03	—	0.03	—	178	178	0.01	< 0.005	—	179

Architect Coatings	—	44.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.19	0.25	< 0.005	0.01	—	0.01	0.01	—	0.01	—	29.3	29.3	< 0.005	< 0.005	—	29.4
Architect ural Coatings	—	7.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.85	4.85	< 0.005	< 0.005	—	4.86
Architect ural Coatings	—	1.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.23	0.21	0.20	3.54	0.00	0.00	0.04	0.04	0.00	0.00	0.00	—	640	640	0.03	0.02	2.37	650
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	0.22	0.20	0.22	2.67	0.00	0.00	0.04	0.04	0.00	0.00	0.00	—	587	587	0.03	0.02	0.06	594
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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.04	0.46	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	—	97.8	97.8	< 0.005	< 0.005	0.17	99.2
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	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	0.00	—	16.2	16.2	< 0.005	< 0.005	0.03	16.4
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	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	0.00

## 4. Operations Emissions Details

### 4.1. Mobile Emissions by Land Use

#### 4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	2.13	2.01	0.80	14.1	0.03	0.01	0.12	0.13	0.01	0.04	0.05	—	2,626	2,626	0.14	0.09	9.23	2,664
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

User Defined Industrial	3.00	0.68	30.1	17.1	0.26	0.42	2.21	2.64	0.41	0.72	1.12	—	28,455	28,455	2.24	4.26	83.6	29,865
Total	5.12	2.69	30.9	31.2	0.28	0.44	2.33	2.77	0.42	0.75	1.17	—	31,081	31,081	2.38	4.35	92.8	32,530
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	2.01	1.89	0.88	12.2	0.02	0.01	0.12	0.13	0.01	0.04	0.05	—	2,423	2,423	0.15	0.09	0.24	2,454
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	2.97	0.66	31.5	17.1	0.26	0.42	2.21	2.64	0.41	0.72	1.12	—	28,461	28,461	2.24	4.27	2.17	29,790
Total	4.99	2.55	32.4	29.3	0.28	0.44	2.33	2.77	0.42	0.75	1.17	—	30,884	30,884	2.39	4.36	2.41	32,244
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.27	0.25	0.12	1.69	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	297	297	0.02	0.01	0.48	302
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.40	0.09	4.25	2.28	0.03	0.06	0.30	0.35	0.05	0.10	0.15	—	3,447	3,447	0.27	0.52	4.37	3,613
Total	0.66	0.34	4.37	3.97	0.04	0.06	0.31	0.37	0.06	0.10	0.16	—	3,745	3,745	0.29	0.53	4.86	3,914

## 4.2. Energy

## 4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	2,386	2,386	0.23	0.03	—	2,400
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	130	130	0.01	< 0.005	—	131
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,516	2,516	0.24	0.03	—	2,530
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	2,386	2,386	0.23	0.03	—	2,400
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	130	130	0.01	< 0.005	—	131

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,516	2,516	0.24	0.03	—	2,530
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	395	395	0.04	< 0.005	—	397
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	21.5	21.5	< 0.005	< 0.005	—	21.6
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	417	417	0.04	< 0.005	—	419

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00



Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

### 4.3. Area Emissions by Source

#### 4.3.2. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	45.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	11.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	4.18	3.86	0.20	23.5	< 0.005	0.03	—	0.03	0.04	—	0.04	—	96.7	96.7	< 0.005	< 0.005	—	97.1
Total	4.18	61.2	0.20	23.5	< 0.005	0.03	—	0.03	0.04	—	0.04	—	96.7	96.7	< 0.005	< 0.005	—	97.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	45.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consumer	—	11.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	57.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.59	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	2.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.52	0.48	0.02	2.94	< 0.005	< 0.005	—	< 0.005	0.01	—	0.01	—	11.0	11.0	< 0.005	< 0.005	—	11.0
Total	0.52	4.19	0.02	2.94	< 0.005	< 0.005	—	< 0.005	0.01	—	0.01	—	11.0	11.0	< 0.005	< 0.005	—	11.0

#### 4.4. Water Emissions by Land Use

##### 4.4.2. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	240	826	1,066	24.7	0.59	—	1,859
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	240	826	1,066	24.7	0.59	—	1,859
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	240	826	1,066	24.7	0.59	—	1,859
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	240	826	1,066	24.7	0.59	—	1,859
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	39.7	137	176	4.08	0.10	—	308
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	39.7	137	176	4.08	0.10	—	308

## 4.5. Waste Emissions by Land Use

### 4.5.2. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	274	0.00	274	27.4	0.00	—	959
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	274	0.00	274	27.4	0.00	—	959
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	274	0.00	274	27.4	0.00	—	959
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	274	0.00	274	27.4	0.00	—	959
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	45.4	0.00	45.4	4.53	0.00	—	159
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	45.4	0.00	45.4	4.53	0.00	—	159

## 4.6. Refrigerant Emissions by Land Use

### 4.6.1. Unmitigated

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

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

#### 4.7. Offroad Emissions By Equipment Type

##### 4.7.1. Unmitigated

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

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

### 4.8. Stationary Emissions By Equipment Type

#### 4.8.1. Unmitigated

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

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

### 4.9. User Defined Emissions By Equipment Type

#### 4.9.1. Unmitigated

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

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

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

#### 4.10. Soil Carbon Accumulation By Vegetation Type

##### 4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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



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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

## 5. Activity Data

### 5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	1/1/2024	1/29/2024	5.00	20.0	—
Site Preparation	Site Preparation	1/30/2024	3/11/2024	5.00	30.0	—
Grading	Grading	3/12/2024	4/22/2024	5.00	30.0	—
Building Construction	Building Construction	4/23/2024	6/16/2025	5.00	300	—
Paving	Paving	2/11/2025	6/16/2025	5.00	90.0	—
Architectural Coating	Architectural Coating	3/25/2025	6/16/2025	5.00	60.0	—

### 5.2. Off-Road Equipment

## 5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Building Construction	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Average	6.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	6.00	8.00	84.0	0.37
Building Construction	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Site Preparation	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
Grading	Crawler Tractors	Diesel	Average	2.00	8.00	87.0	0.43

## 5.3. Construction Vehicles

## 5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	5.00	10.2	HHDT,MHDT
Demolition	Hauling	15.8	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	7.00	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	7.00	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	227	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	70.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	0.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—

Architectural Coating	Worker	45.4	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

## 5.4. Vehicles

### 5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

## 5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	827,649	275,883	21,834

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	27,454	—
Site Preparation	—	—	105	0.00	—
Grading	—	—	120	0.00	—
Paving	0.00	0.00	0.00	0.00	8.35

### 5.6.2. Construction Earthmoving Control Strategies

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

Water Demolished Area	2	36%	36%
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## 5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Unrefrigerated Warehouse-No Rail	0.00	0%
Parking Lot	3.56	100%
Other Asphalt Surfaces	4.79	100%
User Defined Industrial	0.00	0%

## 5.8. Construction Electricity Consumption and Emissions Factors

### kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	349	0.03	< 0.005
2025	0.00	349	0.03	< 0.005

## 5.9. Operational Mobile Sources

### 5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	600	52.5	21.1	160,212	3,501	306	123	935,159
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	328	28.7	11.4	87,537	9,954	871	345	2,658,504

## 5.10. Operational Area Sources

### 5.10.1. Hearths

#### 5.10.1.1. Unmitigated

### 5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	827,649	275,883	21,834

### 5.10.3. Landscape Equipment

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

## 5.11. Operational Energy Consumption

### 5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	2,498,021	349	0.0330	0.0040	0.00
Parking Lot	135,997	349	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	349	0.0330	0.0040	0.00
User Defined Industrial	0.00	349	0.0330	0.0040	0.00

## 5.12. Operational Water and Wastewater Consumption

## 5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	125,071,331	2,563,454
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00

## 5.13. Operational Waste Generation

## 5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	508	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00

## 5.14. Operational Refrigeration and Air Conditioning Equipment

## 5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
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## 5.15. Operational Off-Road Equipment

## 5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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## 5.16. Stationary Sources

### 5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
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### 5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
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## 5.17. User Defined

Equipment Type	Fuel Type
—	—

## 5.18. Vegetation

### 5.18.1. Land Use Change

#### 5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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### 5.18.1. Biomass Cover Type

#### 5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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### 5.18.2. Sequestration

### 5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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## 6. Climate Risk Detailed Report

### 6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	24.4	annual days of extreme heat
Extreme Precipitation	3.50	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	6.13	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about  $\frac{3}{4}$  an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

### 6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A

Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack	N/A	N/A	N/A	N/A
Air Quality	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

### 6.3. Adjusted Climate Risk Scores

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

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

### 6.4. Climate Risk Reduction Measures

## 7. Health and Equity Details

## 7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	95.3
AQ-PM	93.5
AQ-DPM	78.3
Drinking Water	96.1
Lead Risk Housing	42.2
Pesticides	18.1
Toxic Releases	84.6
Traffic	79.6
Effect Indicators	—
CleanUp Sites	82.7
Groundwater	14.3
Haz Waste Facilities/Generators	94.4
Impaired Water Bodies	0.00
Solid Waste	87.1
Sensitive Population	—
Asthma	44.4
Cardio-vascular	55.1
Low Birth Weights	20.3
Socioeconomic Factor Indicators	—
Education	73.4
Housing	26.7
Linguistic	34.6
Poverty	51.4

Unemployment	51.3
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## 7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	46.27229565
Employed	32.144232
Education	—
Bachelor's or higher	30.92518927
High school enrollment	27.47337354
Preschool enrollment	9.149236494
Transportation	—
Auto Access	75.69613756
Active commuting	25.30476068
Social	—
2-parent households	83.85730784
Voting	30.59155653
Neighborhood	—
Alcohol availability	69.20313102
Park access	26.03618632
Retail density	30.7583729
Supermarket access	43.14128064
Tree canopy	6.390350314
Housing	—
Homeownership	72.5009624
Housing habitability	80.9829334

Low-inc homeowner severe housing cost burden	33.8380598
Low-inc renter severe housing cost burden	97.78005903
Uncrowded housing	24.76581548
Health Outcomes	—
Insured adults	19.91530861
Arthritis	67.1
Asthma ER Admissions	64.4
High Blood Pressure	71.3
Cancer (excluding skin)	74.5
Asthma	37.3
Coronary Heart Disease	66.7
Chronic Obstructive Pulmonary Disease	53.7
Diagnosed Diabetes	40.6
Life Expectancy at Birth	53.2
Cognitively Disabled	21.0
Physically Disabled	18.0
Heart Attack ER Admissions	49.4
Mental Health Not Good	35.7
Chronic Kidney Disease	55.3
Obesity	33.9
Pedestrian Injuries	62.8
Physical Health Not Good	37.9
Stroke	58.2
Health Risk Behaviors	—
Binge Drinking	36.9
Current Smoker	40.0
No Leisure Time for Physical Activity	38.5

Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	32.5
Elderly	76.6
English Speaking	56.0
Foreign-born	61.6
Outdoor Workers	45.8
Climate Change Adaptive Capacity	—
Impervious Surface Cover	67.8
Traffic Density	81.5
Traffic Access	23.0
Other Indices	—
Hardship	66.3
Other Decision Support	—
2016 Voting	50.4

### 7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	71.0
Healthy Places Index Score for Project Location (b)	40.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

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

## 7.4. Health & Equity Measures

No Health & Equity Measures selected.

## 7.5. Evaluation Scorecard

Health and Equity Evaluation Scorecard not completed.

## 8. User Changes to Default Data

Screen	Justification
Construction: Off-Road Equipment	All equipment will operate for 8 hours per day. Equipment based on data provided by the Project team.
Construction: Trips and VMT	Vendor trips adjusted based on construction phase length
Construction: Architectural Coatings	Rule 1113
Operations: Vehicle Data	Vehicle data based on Project traffic study
Operations: Fleet Mix	Fleet mix based on Project traffic study
Operations: Energy Use	Project will not use natural gas
Operations: Refrigerants	Project does not include cold storage
Construction: Construction Phases	Construction schedule based on data provided by the Project team.



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**APPENDIX 2.2:**  
**EMFAC EMISSIONS SUMMARY**

Emissions	Phase	Lb/Day	# Days	Emissions	Avg/Lb Day	Avg/Hourly
On-Site Exhaust PM-10	Demolition	1.06	20	21.2	1.06	0.1325
	Site Preparation	2.25	30	67.5	2.25	0.28125
	Grading	1.77	30	53.1	1.77	0.22125
	Building Construction	0.85	300	253.5	0.845	0.105625
	Paving	0.35	90	31.5	0.35	0.04375
	Architectural Coatings	0.04	60	2.4	0.04	0.005
		6.32	381	429.2	1.126509186	0.140813648
Off-Site Exhaust PM-10	Demolition	2.50E-02	20	0.5	0.025	0.003125
	Site Preparation	5.00E-03	30	0.15	0.005	0.000625
	Grading	5.00E-03	30	0.15	0.005	0.000625
	Building Construction	3.00E-02	300	9	0.03	0.00375
	Paving	0.00E+00	90	0	0	0
	Architectural Coatings	0.00E+00	60	0	0	0
		6.50E-02	381	9.8	0.025721785	0.003215223

Phase	Start Date	End Date	No. Days
Demolition	1/1/2024	1/29/2024	20
Site Preparation	1/30/2024	3/11/2024	30
Grading	3/12/2024	4/22/2024	30
Building Construction	4/23/2024	6/16/2025	300
Paving	2/11/2025	6/16/2025	90
Arch Coatings	3/25/2025	6/16/2025	60
<b>Total Days of Construction</b>			<b>381</b>

**AVERAGE EMISSION FACTOR  
SAN BERNARDINO COUNTY 2025**

Speed	LHD1	LHD2	MHD	HHD
0	0.319205	0.505674	0.042911	0.01249
5	0.036879	0.053315	0.025739	0.01121
25	0.017081	0.025609	0.006962	0.00555

Speed	Weighted Average Emissions
<b>0</b>	<b>0.07797</b>
<b>5</b>	<b>0.01921</b>
<b>25</b>	<b>0.00812</b>

Truck Emission Rates						
Source	Trucks Per Day	VMT <sup>a</sup> (miles/day)	Truck Emission Rate <sup>b</sup> (grams/mile)	Truck Emission Rate <sup>b</sup> (grams/idle-hour)	Daily Truck Emissions <sup>c</sup> (grams/day)	Modeled Emission Rates (g/second)
On-Site Idling - Bldg 1	47			0.0780	0.92	1.060E-05
On-Site Idling - Bldg 2	59			0.0780	1.15	1.331E-05
On-Site Idling - Bldg 3	58			0.0780	1.13	1.309E-05
On-Site Travel - Bldg 1	94	14.84	0.0192		0.28	3.298E-06
On-Site Travel - Bldg 2	118	21.86	0.0192		0.42	4.859E-06
On-Site Travel - Bldg 3	116	21.23	0.0192		0.41	4.721E-06
Off-Site Travel - Oleander Avenue 72% Inbound/Outbound	234	148.19	0.0081		1.20	1.393E-05
Off-Site Travel - Jurupa/Citrus Avenue 72% Inbound/Outbound	234	217.78	0.0081		1.77	2.047E-05
Off-Site Travel - Citrus Avenue 100% Inbound/Outbound	328	247.26	0.0081		2.01	2.324E-05

<sup>a</sup> Vehicle miles traveled are for modeled truck route only.

<sup>b</sup> Emission rates determined using EMFAC 2021. Idle emission rates are expressed in grams per idle hour rather than grams per mile.

<sup>c</sup> This column includes the total truck travel and truck idle emissions. For idle emissions this column includes emissions based on the assumption that each truck idles for 15 minutes.

calendar_y	season_m	sub_area	vehicle_class	fuel	temperatur	relative_hu	process	speed_tim	pollutant	emission_rate
2025	Annual	San Bernar	HHDT	Dsl	60	70	RUNEX	5	PM10	0.013172
2025	Annual	San Bernar	HHDT	Dsl	60	70	RUNEX	25	PM10	0.006514
2025	Annual	San Bernar	LHDT1	Dsl	60	70	RUNEX	5	PM10	0.091741
2025	Annual	San Bernar	LHDT1	Dsl	60	70	RUNEX	25	PM10	0.04249
2025	Annual	San Bernar	LHDT2	Dsl	60	70	RUNEX	5	PM10	0.084111
2025	Annual	San Bernar	LHDT2	Dsl	60	70	RUNEX	25	PM10	0.040401
2025	Annual	San Bernar	MHDT	Dsl	60	70	RUNEX	5	PM10	0.028132
2025	Annual	San Bernar	MHDT	Dsl	60	70	RUNEX	25	PM10	0.007609

Source: EMFAC2021 (v1.0.2) Emissions Inventory

Region Type: Sub-Area

Region: San Bernardino (SC)

Calendar Year: 2025

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar	Vehicle C	Model Year	Speed	Fuel	Population
San Berna	2025	HHDT	Aggregate	Aggregate	Gasoline	3.86977
San Berna	2025	HHDT	Aggregate	Aggregate	Diesel	14693.6
San Berna	2025	HHDT	Aggregate	Aggregate	Natural Gas	2560.52
San Berna	2025	LHDT1	Aggregate	Aggregate	Gasoline	16963.1
San Berna	2025	LHDT1	Aggregate	Aggregate	Diesel	11403
San Berna	2025	LHDT2	Aggregate	Aggregate	Gasoline	2823.95
San Berna	2025	LHDT2	Aggregate	Aggregate	Diesel	4888.89
San Berna	2025	MHDT	Aggregate	Aggregate	Gasoline	1427.42
San Berna	2025	MHDT	Aggregate	Aggregate	Diesel	15347.5
San Berna	2025	MHDT	Aggregate	Aggregate	Natural Gas	208.419

HHDT% GAS/NG 0.14859

HHDT% DSL 0.85141

LHDT1% GAS 0.59801

LHDT1% DSL 0.40199

LHDT2% GAS 0.36614

LHDT2% DSL 0.63386

MHDT% GAS 0.08509

MHDT% DSL 0.91491

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**APPENDIX 2.3:**  
**AERMOD MODEL INPUT/OUTPUT**

```

**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 12/2/2022
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14581 Oleander and Santa Ana\14581
Construction\14581 Construction.ADI
**

```

```

*****
**
**
*****

```

```

** AERMOD Control Pathway
*****
**
**

```

```

CO STARTING
TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14581 Oleander and Santa Ana\14
MODELOPT DFAULT CONC
AVERTIME ANNUAL
URBANOPT 2035210 San_Bernardino_County
POLLUTID DPM
RUNORNOT RUN
ERRORFIL "14581 Construction.err"

```

```

CO FINISHED
**
*****

```

```

** AERMOD Source Pathway
*****
**
**

```

```

SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **

```

LOCATION	VOL	VOLUME	X Coord.	Y Coord.
LOCATION VOL1	VOLUME	458224.090	3768536.070	318.000
LOCATION VOL2	VOLUME	458382.507	3768535.835	318.320
LOCATION VOL3	VOLUME	458538.829	3768535.939	319.100
LOCATION VOL4	VOLUME	458695.150	3768535.527	320.000

```

** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 0.0004051113
** Vertical Dimension = 6.99
** SZINIT = 3.25

```

- ```

** Nodes = 7
** 458787.298, 3768431.427, 319.00, 3.49, 6.51
** 458118.711, 3768430.962, 316.84, 3.49, 6.51
** 458121.968, 3768747.343, 319.92, 3.49, 6.51
** 458128.482, 3769331.252, 327.81, 3.49, 6.51
** 458135.461, 3769459.665, 329.92, 3.49, 6.51
** 458137.322, 3769580.634, 334.90, 3.49, 6.51
** 458143.370, 3769836.066, 332.20, 3.49, 6.51

```

```

** -----

```

| LOCATION          | VOLUME | X Coord.   | Y Coord.           |
|-------------------|--------|------------|--------------------|
| LOCATION L0000001 | VOLUME | 458780.298 | 3768431.422 319.00 |
| LOCATION L0000002 | VOLUME | 458766.298 | 3768431.413 319.00 |
| LOCATION L0000003 | VOLUME | 458752.298 | 3768431.403 319.00 |
| LOCATION L0000004 | VOLUME | 458738.298 | 3768431.393 319.00 |
| LOCATION L0000005 | VOLUME | 458724.298 | 3768431.383 319.00 |
| LOCATION L0000006 | VOLUME | 458710.298 | 3768431.374 319.00 |
| LOCATION L0000007 | VOLUME | 458696.298 | 3768431.364 319.00 |

|          |          |        |            |             |        |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0000008 | VOLUME | 458682.298 | 3768431.354 | 319.00 |
| LOCATION | L0000009 | VOLUME | 458668.298 | 3768431.344 | 318.94 |
| LOCATION | L0000010 | VOLUME | 458654.298 | 3768431.335 | 318.86 |
| LOCATION | L0000011 | VOLUME | 458640.298 | 3768431.325 | 318.83 |
| LOCATION | L0000012 | VOLUME | 458626.298 | 3768431.315 | 318.83 |
| LOCATION | L0000013 | VOLUME | 458612.298 | 3768431.305 | 318.63 |
| LOCATION | L0000014 | VOLUME | 458598.298 | 3768431.296 | 318.24 |
| LOCATION | L0000015 | VOLUME | 458584.298 | 3768431.286 | 318.00 |
| LOCATION | L0000016 | VOLUME | 458570.298 | 3768431.276 | 318.00 |
| LOCATION | L0000017 | VOLUME | 458556.298 | 3768431.267 | 318.00 |
| LOCATION | L0000018 | VOLUME | 458542.298 | 3768431.257 | 318.00 |
| LOCATION | L0000019 | VOLUME | 458528.298 | 3768431.247 | 318.00 |
| LOCATION | L0000020 | VOLUME | 458514.298 | 3768431.237 | 318.00 |
| LOCATION | L0000021 | VOLUME | 458500.299 | 3768431.228 | 318.00 |
| LOCATION | L0000022 | VOLUME | 458486.299 | 3768431.218 | 317.92 |
| LOCATION | L0000023 | VOLUME | 458472.299 | 3768431.208 | 317.84 |
| LOCATION | L0000024 | VOLUME | 458458.299 | 3768431.198 | 317.52 |
| LOCATION | L0000025 | VOLUME | 458444.299 | 3768431.189 | 317.13 |
| LOCATION | L0000026 | VOLUME | 458430.299 | 3768431.179 | 317.00 |
| LOCATION | L0000027 | VOLUME | 458416.299 | 3768431.169 | 317.00 |
| LOCATION | L0000028 | VOLUME | 458402.299 | 3768431.159 | 317.00 |
| LOCATION | L0000029 | VOLUME | 458388.299 | 3768431.150 | 317.00 |
| LOCATION | L0000030 | VOLUME | 458374.299 | 3768431.140 | 317.00 |
| LOCATION | L0000031 | VOLUME | 458360.299 | 3768431.130 | 317.00 |
| LOCATION | L0000032 | VOLUME | 458346.299 | 3768431.120 | 317.00 |
| LOCATION | L0000033 | VOLUME | 458332.299 | 3768431.111 | 317.00 |
| LOCATION | L0000034 | VOLUME | 458318.299 | 3768431.101 | 317.00 |
| LOCATION | L0000035 | VOLUME | 458304.299 | 3768431.091 | 317.00 |
| LOCATION | L0000036 | VOLUME | 458290.299 | 3768431.081 | 317.00 |
| LOCATION | L0000037 | VOLUME | 458276.299 | 3768431.072 | 317.36 |
| LOCATION | L0000038 | VOLUME | 458262.299 | 3768431.062 | 317.75 |
| LOCATION | L0000039 | VOLUME | 458248.299 | 3768431.052 | 317.51 |
| LOCATION | L0000040 | VOLUME | 458234.299 | 3768431.042 | 317.13 |
| LOCATION | L0000041 | VOLUME | 458220.299 | 3768431.033 | 317.00 |
| LOCATION | L0000042 | VOLUME | 458206.299 | 3768431.023 | 317.00 |
| LOCATION | L0000043 | VOLUME | 458192.299 | 3768431.013 | 317.00 |
| LOCATION | L0000044 | VOLUME | 458178.299 | 3768431.003 | 317.00 |
| LOCATION | L0000045 | VOLUME | 458164.299 | 3768430.994 | 317.00 |
| LOCATION | L0000046 | VOLUME | 458150.299 | 3768430.984 | 317.00 |
| LOCATION | L0000047 | VOLUME | 458136.299 | 3768430.974 | 316.98 |
| LOCATION | L0000048 | VOLUME | 458122.299 | 3768430.965 | 316.90 |
| LOCATION | L0000049 | VOLUME | 458118.818 | 3768441.374 | 317.00 |
| LOCATION | L0000050 | VOLUME | 458118.962 | 3768455.373 | 317.00 |
| LOCATION | L0000051 | VOLUME | 458119.106 | 3768469.372 | 317.00 |
| LOCATION | L0000052 | VOLUME | 458119.251 | 3768483.372 | 317.00 |
| LOCATION | L0000053 | VOLUME | 458119.395 | 3768497.371 | 317.03 |
| LOCATION | L0000054 | VOLUME | 458119.539 | 3768511.370 | 317.50 |
| LOCATION | L0000055 | VOLUME | 458119.683 | 3768525.369 | 317.97 |
| LOCATION | L0000056 | VOLUME | 458119.827 | 3768539.369 | 318.00 |
| LOCATION | L0000057 | VOLUME | 458119.971 | 3768553.368 | 318.00 |
| LOCATION | L0000058 | VOLUME | 458120.115 | 3768567.367 | 318.00 |
| LOCATION | L0000059 | VOLUME | 458120.259 | 3768581.367 | 318.00 |
| LOCATION | L0000060 | VOLUME | 458120.403 | 3768595.366 | 318.30 |
| LOCATION | L0000061 | VOLUME | 458120.548 | 3768609.365 | 318.77 |
| LOCATION | L0000062 | VOLUME | 458120.692 | 3768623.364 | 319.00 |
| LOCATION | L0000063 | VOLUME | 458120.836 | 3768637.364 | 319.00 |
| LOCATION | L0000064 | VOLUME | 458120.980 | 3768651.363 | 319.00 |
| LOCATION | L0000065 | VOLUME | 458121.124 | 3768665.362 | 319.00 |
| LOCATION | L0000066 | VOLUME | 458121.268 | 3768679.361 | 319.04 |
| LOCATION | L0000067 | VOLUME | 458121.412 | 3768693.361 | 319.22 |
| LOCATION | L0000068 | VOLUME | 458121.556 | 3768707.360 | 319.42 |
| LOCATION | L0000069 | VOLUME | 458121.700 | 3768721.359 | 319.70 |
| LOCATION | L0000070 | VOLUME | 458121.845 | 3768735.358 | 319.98 |
| LOCATION | L0000071 | VOLUME | 458121.990 | 3768749.358 | 320.00 |
| LOCATION | L0000072 | VOLUME | 458122.147 | 3768763.357 | 320.00 |
| LOCATION | L0000073 | VOLUME | 458122.303 | 3768777.356 | 320.37 |

|          |          |        |            |             |        |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0000074 | VOLUME | 458122.459 | 3768791.355 | 320.83 |
| LOCATION | L0000075 | VOLUME | 458122.615 | 3768805.354 | 321.00 |
| LOCATION | L0000076 | VOLUME | 458122.771 | 3768819.353 | 321.00 |
| LOCATION | L0000077 | VOLUME | 458122.927 | 3768833.352 | 321.00 |
| LOCATION | L0000078 | VOLUME | 458123.084 | 3768847.352 | 321.00 |
| LOCATION | L0000079 | VOLUME | 458123.240 | 3768861.351 | 321.17 |
| LOCATION | L0000080 | VOLUME | 458123.396 | 3768875.350 | 321.63 |
| LOCATION | L0000081 | VOLUME | 458123.552 | 3768889.349 | 322.00 |
| LOCATION | L0000082 | VOLUME | 458123.708 | 3768903.348 | 322.00 |
| LOCATION | L0000083 | VOLUME | 458123.864 | 3768917.347 | 322.00 |
| LOCATION | L0000084 | VOLUME | 458124.021 | 3768931.346 | 322.00 |
| LOCATION | L0000085 | VOLUME | 458124.177 | 3768945.345 | 322.00 |
| LOCATION | L0000086 | VOLUME | 458124.333 | 3768959.345 | 322.43 |
| LOCATION | L0000087 | VOLUME | 458124.489 | 3768973.344 | 322.90 |
| LOCATION | L0000088 | VOLUME | 458124.645 | 3768987.343 | 323.00 |
| LOCATION | L0000089 | VOLUME | 458124.801 | 3769001.342 | 323.00 |
| LOCATION | L0000090 | VOLUME | 458124.958 | 3769015.341 | 323.15 |
| LOCATION | L0000091 | VOLUME | 458125.114 | 3769029.340 | 323.40 |
| LOCATION | L0000092 | VOLUME | 458125.270 | 3769043.339 | 323.63 |
| LOCATION | L0000093 | VOLUME | 458125.426 | 3769057.338 | 323.86 |
| LOCATION | L0000094 | VOLUME | 458125.582 | 3769071.338 | 324.00 |
| LOCATION | L0000095 | VOLUME | 458125.738 | 3769085.337 | 324.00 |
| LOCATION | L0000096 | VOLUME | 458125.895 | 3769099.336 | 324.05 |
| LOCATION | L0000097 | VOLUME | 458126.051 | 3769113.335 | 324.31 |
| LOCATION | L0000098 | VOLUME | 458126.207 | 3769127.334 | 324.57 |
| LOCATION | L0000099 | VOLUME | 458126.363 | 3769141.333 | 324.78 |
| LOCATION | L0000100 | VOLUME | 458126.519 | 3769155.332 | 324.99 |
| LOCATION | L0000101 | VOLUME | 458126.675 | 3769169.331 | 325.00 |
| LOCATION | L0000102 | VOLUME | 458126.832 | 3769183.331 | 325.00 |
| LOCATION | L0000103 | VOLUME | 458126.988 | 3769197.330 | 325.21 |
| LOCATION | L0000104 | VOLUME | 458127.144 | 3769211.329 | 325.49 |
| LOCATION | L0000105 | VOLUME | 458127.300 | 3769225.328 | 325.71 |
| LOCATION | L0000106 | VOLUME | 458127.456 | 3769239.327 | 325.91 |
| LOCATION | L0000107 | VOLUME | 458127.612 | 3769253.326 | 326.14 |
| LOCATION | L0000108 | VOLUME | 458127.769 | 3769267.325 | 326.42 |
| LOCATION | L0000109 | VOLUME | 458127.925 | 3769281.325 | 326.61 |
| LOCATION | L0000110 | VOLUME | 458128.081 | 3769295.324 | 326.62 |
| LOCATION | L0000111 | VOLUME | 458128.237 | 3769309.323 | 326.76 |
| LOCATION | L0000112 | VOLUME | 458128.393 | 3769323.322 | 327.40 |
| LOCATION | L0000113 | VOLUME | 458128.811 | 3769337.312 | 328.03 |
| LOCATION | L0000114 | VOLUME | 458129.571 | 3769351.292 | 328.50 |
| LOCATION | L0000115 | VOLUME | 458130.331 | 3769365.271 | 328.96 |
| LOCATION | L0000116 | VOLUME | 458131.090 | 3769379.251 | 329.00 |
| LOCATION | L0000117 | VOLUME | 458131.850 | 3769393.230 | 329.00 |
| LOCATION | L0000118 | VOLUME | 458132.610 | 3769407.209 | 329.00 |
| LOCATION | L0000119 | VOLUME | 458133.370 | 3769421.189 | 329.00 |
| LOCATION | L0000120 | VOLUME | 458134.129 | 3769435.168 | 329.24 |
| LOCATION | L0000121 | VOLUME | 458134.889 | 3769449.147 | 329.64 |
| LOCATION | L0000122 | VOLUME | 458135.514 | 3769463.131 | 330.68 |
| LOCATION | L0000123 | VOLUME | 458135.729 | 3769477.130 | 332.38 |
| LOCATION | L0000124 | VOLUME | 458135.945 | 3769491.128 | 333.95 |
| LOCATION | L0000125 | VOLUME | 458136.160 | 3769505.127 | 335.28 |
| LOCATION | L0000126 | VOLUME | 458136.375 | 3769519.125 | 336.20 |
| LOCATION | L0000127 | VOLUME | 458136.591 | 3769533.123 | 335.45 |
| LOCATION | L0000128 | VOLUME | 458136.806 | 3769547.122 | 334.72 |
| LOCATION | L0000129 | VOLUME | 458137.021 | 3769561.120 | 334.79 |
| LOCATION | L0000130 | VOLUME | 458137.237 | 3769575.118 | 334.84 |
| LOCATION | L0000131 | VOLUME | 458137.523 | 3769589.115 | 334.92 |
| LOCATION | L0000132 | VOLUME | 458137.854 | 3769603.111 | 334.99 |
| LOCATION | L0000133 | VOLUME | 458138.185 | 3769617.107 | 334.97 |
| LOCATION | L0000134 | VOLUME | 458138.517 | 3769631.103 | 334.94 |
| LOCATION | L0000135 | VOLUME | 458138.848 | 3769645.100 | 333.21 |
| LOCATION | L0000136 | VOLUME | 458139.180 | 3769659.096 | 330.44 |
| LOCATION | L0000137 | VOLUME | 458139.511 | 3769673.092 | 330.35 |
| LOCATION | L0000138 | VOLUME | 458139.842 | 3769687.088 | 333.15 |
| LOCATION | L0000139 | VOLUME | 458140.174 | 3769701.084 | 335.00 |

|          |          |        |            |             |        |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0000140 | VOLUME | 458140.505 | 3769715.080 | 335.00 |
| LOCATION | L0000141 | VOLUME | 458140.837 | 3769729.076 | 335.00 |
| LOCATION | L0000142 | VOLUME | 458141.168 | 3769743.072 | 335.00 |
| LOCATION | L0000143 | VOLUME | 458141.500 | 3769757.068 | 334.95 |
| LOCATION | L0000144 | VOLUME | 458141.831 | 3769771.064 | 334.09 |
| LOCATION | L0000145 | VOLUME | 458142.162 | 3769785.060 | 333.25 |
| LOCATION | L0000146 | VOLUME | 458142.494 | 3769799.056 | 332.81 |
| LOCATION | L0000147 | VOLUME | 458142.825 | 3769813.052 | 332.42 |
| LOCATION | L0000148 | VOLUME | 458143.157 | 3769827.049 | 332.31 |

\*\* End of LINE VOLUME Source ID = SLINE1

\*\* Source Parameters \*\*

|          |      |              |       |        |       |
|----------|------|--------------|-------|--------|-------|
| SRCPARAM | VOL1 | 0.0044355553 | 5.000 | 43.819 | 1.400 |
| SRCPARAM | VOL2 | 0.0044355553 | 5.000 | 43.819 | 1.400 |
| SRCPARAM | VOL3 | 0.0044355553 | 5.000 | 43.819 | 1.400 |
| SRCPARAM | VOL4 | 0.0044355553 | 5.000 | 43.819 | 1.400 |

\*\* LINE VOLUME Source ID = SLINE1

|          |          |             |      |      |      |
|----------|----------|-------------|------|------|------|
| SRCPARAM | L0000001 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000002 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000003 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000004 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000005 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000006 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000007 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000008 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000009 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000010 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000011 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000012 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000013 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000014 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000015 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000016 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000017 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000018 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000019 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000020 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000021 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000022 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000023 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000024 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000025 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000026 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000027 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000028 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000029 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000030 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000031 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000032 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000033 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000034 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000035 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000036 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000037 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000038 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000039 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000040 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000041 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000042 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000043 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000044 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000045 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000046 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000047 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000048 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000049 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000050 | 0.000002737 | 3.49 | 6.51 | 3.25 |



|          |          |             |      |      |      |
|----------|----------|-------------|------|------|------|
| SRCPARAM | L0000117 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000118 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000119 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000120 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000121 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000122 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000123 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000124 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000125 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000126 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000127 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000128 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000129 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000130 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000131 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000132 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000133 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000134 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000135 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000136 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000137 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000138 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000139 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000140 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000141 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000142 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000143 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000144 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000145 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000146 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000147 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000148 | 0.000002737 | 3.49 | 6.51 | 3.25 |

\*\*

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 URBANSRC ALL

\*\* Variable Emissions Type: "By Hour / Day (HRDOW)"

\*\* Variable Emission Scenario: "Scenario 1"

\*\* WeekDays:

|          |      |       |     |     |     |     |     |     |
|----------|------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT | VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL1 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | VOL1 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

\*\* Saturday:

|          |      |       |     |     |     |     |     |     |
|----------|------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT | VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

\*\* Sunday:

|          |      |       |     |     |     |     |     |     |
|----------|------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT | VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

\*\* WeekDays:

|          |      |       |     |     |     |     |     |     |
|----------|------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT | VOL2 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL2 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | VOL2 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | VOL2 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

\*\* Saturday:

|          |      |       |     |     |     |     |     |     |
|----------|------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT | VOL2 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL2 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL2 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL2 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

\*\* Sunday:

|          |      |       |     |     |     |     |     |     |
|----------|------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT | VOL2 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL2 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL2 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |































































EMISFACT L0000142 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000142 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000142 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000142 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000143 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000143 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000143 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000143 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000144 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000144 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000144 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000144 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000145 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000145 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000145 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000145 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000146 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000146 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000146 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000146 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000147 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000147 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000147 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000147 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000148 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000148 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000148 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000148 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
SRCGROUP ALL

SO FINISHED

\*\*  
\*\*\*\*\*  
\*\* AERMOD Receptor Pathway  
\*\*\*\*\*

\*\*  
\*\*  
RE STARTING  
INCLUDED "14581 Construction.rou"  
RE FINISHED

\*\*  
\*\*\*\*\*  
\*\* AERMOD Meteorology Pathway  
\*\*\*\*\*  
\*\*  
\*\*

ME STARTING  
SURFFILE FONT\_V9\_ADJU\FONT\_v9.SFC  
PROFFILE FONT\_V9\_ADJU\FONT\_v9.PFL  
SURFDATA 3102 2011  
UAIRDATA 3190 2011  
SITEDATA 99999 2011  
PROFBASE 367.0 METERS

ME FINISHED  
\*\*  
\*\*\*\*\*  
\*\* AERMOD Output Pathway  
\*\*\*\*\*

\*\*  
\*\*  
OU STARTING  
\*\* Auto-Generated Plotfiles  
PLOTFILE ANNUAL ALL "14581 CONSTRUCTION.AD\AN00GALL.PLT" 31  
SUMMFILE "14581 Construction.sum"

OU FINISHED  
\*\*  
\*\*\*\*\*

```
** Project Parameters
*****
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    North American Datum 1983
** DTMRGN   CONUS
** UNITS    m
** ZONE     11
** ZONEINX  0
**
```

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 12/2/2022
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14581 Oleander and Santa Ana\14581
Construction\14581 Construction.ADI
**

```

```

*****
**
**
*****

```

```

** AERMOD Control Pathway
*****

```

```

CO STARTING
TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14581 Oleander and Santa Ana\14
MODELOPT DFAULT CONC
AVERTIME ANNUAL
URBANOPT 2035210 San_Bernardino_County
POLLUTID DPM
RUNORNOT RUN
ERRORFIL "14581 Construction.err"
CO FINISHED

```

```

**
*****
** AERMOD Source Pathway
*****

```

```

SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **

```

| LOCATION      | VOL    | VOLUME     | X Coord.    | Y Coord. |
|---------------|--------|------------|-------------|----------|
| LOCATION VOL1 | VOLUME | 458224.090 | 3768536.070 | 318.000  |
| LOCATION VOL2 | VOLUME | 458382.507 | 3768535.835 | 318.320  |
| LOCATION VOL3 | VOLUME | 458538.829 | 3768535.939 | 319.100  |
| LOCATION VOL4 | VOLUME | 458695.150 | 3768535.527 | 320.000  |

```

** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 0.0004051113
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 7
** 458787.298, 3768431.427, 319.00, 3.49, 6.51
** 458118.711, 3768430.962, 316.84, 3.49, 6.51
** 458121.968, 3768747.343, 319.92, 3.49, 6.51
** 458128.482, 3769331.252, 327.81, 3.49, 6.51
** 458135.461, 3769459.665, 329.92, 3.49, 6.51
** 458137.322, 3769580.634, 334.90, 3.49, 6.51
** 458143.370, 3769836.066, 332.20, 3.49, 6.51

```

```

** -----

```

| LOCATION          | VOLUME | X Coord.   | Y Coord.           |
|-------------------|--------|------------|--------------------|
| LOCATION L0000001 | VOLUME | 458780.298 | 3768431.422 319.00 |
| LOCATION L0000002 | VOLUME | 458766.298 | 3768431.413 319.00 |
| LOCATION L0000003 | VOLUME | 458752.298 | 3768431.403 319.00 |
| LOCATION L0000004 | VOLUME | 458738.298 | 3768431.393 319.00 |
| LOCATION L0000005 | VOLUME | 458724.298 | 3768431.383 319.00 |
| LOCATION L0000006 | VOLUME | 458710.298 | 3768431.374 319.00 |

|          |          |        |            |             |        |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0000007 | VOLUME | 458696.298 | 3768431.364 | 319.00 |
| LOCATION | L0000008 | VOLUME | 458682.298 | 3768431.354 | 319.00 |
| LOCATION | L0000009 | VOLUME | 458668.298 | 3768431.344 | 318.94 |
| LOCATION | L0000010 | VOLUME | 458654.298 | 3768431.335 | 318.86 |
| LOCATION | L0000011 | VOLUME | 458640.298 | 3768431.325 | 318.83 |
| LOCATION | L0000012 | VOLUME | 458626.298 | 3768431.315 | 318.83 |
| LOCATION | L0000013 | VOLUME | 458612.298 | 3768431.305 | 318.63 |
| LOCATION | L0000014 | VOLUME | 458598.298 | 3768431.296 | 318.24 |
| LOCATION | L0000015 | VOLUME | 458584.298 | 3768431.286 | 318.00 |
| LOCATION | L0000016 | VOLUME | 458570.298 | 3768431.276 | 318.00 |
| LOCATION | L0000017 | VOLUME | 458556.298 | 3768431.267 | 318.00 |
| LOCATION | L0000018 | VOLUME | 458542.298 | 3768431.257 | 318.00 |
| LOCATION | L0000019 | VOLUME | 458528.298 | 3768431.247 | 318.00 |
| LOCATION | L0000020 | VOLUME | 458514.298 | 3768431.237 | 318.00 |
| LOCATION | L0000021 | VOLUME | 458500.299 | 3768431.228 | 318.00 |
| LOCATION | L0000022 | VOLUME | 458486.299 | 3768431.218 | 317.92 |
| LOCATION | L0000023 | VOLUME | 458472.299 | 3768431.208 | 317.84 |
| LOCATION | L0000024 | VOLUME | 458458.299 | 3768431.198 | 317.52 |
| LOCATION | L0000025 | VOLUME | 458444.299 | 3768431.189 | 317.13 |
| LOCATION | L0000026 | VOLUME | 458430.299 | 3768431.179 | 317.00 |
| LOCATION | L0000027 | VOLUME | 458416.299 | 3768431.169 | 317.00 |
| LOCATION | L0000028 | VOLUME | 458402.299 | 3768431.159 | 317.00 |
| LOCATION | L0000029 | VOLUME | 458388.299 | 3768431.150 | 317.00 |
| LOCATION | L0000030 | VOLUME | 458374.299 | 3768431.140 | 317.00 |
| LOCATION | L0000031 | VOLUME | 458360.299 | 3768431.130 | 317.00 |
| LOCATION | L0000032 | VOLUME | 458346.299 | 3768431.120 | 317.00 |
| LOCATION | L0000033 | VOLUME | 458332.299 | 3768431.111 | 317.00 |
| LOCATION | L0000034 | VOLUME | 458318.299 | 3768431.101 | 317.00 |
| LOCATION | L0000035 | VOLUME | 458304.299 | 3768431.091 | 317.00 |
| LOCATION | L0000036 | VOLUME | 458290.299 | 3768431.081 | 317.00 |
| LOCATION | L0000037 | VOLUME | 458276.299 | 3768431.072 | 317.36 |
| LOCATION | L0000038 | VOLUME | 458262.299 | 3768431.062 | 317.75 |
| LOCATION | L0000039 | VOLUME | 458248.299 | 3768431.052 | 317.51 |
| LOCATION | L0000040 | VOLUME | 458234.299 | 3768431.042 | 317.13 |
| LOCATION | L0000041 | VOLUME | 458220.299 | 3768431.033 | 317.00 |
| LOCATION | L0000042 | VOLUME | 458206.299 | 3768431.023 | 317.00 |
| LOCATION | L0000043 | VOLUME | 458192.299 | 3768431.013 | 317.00 |
| LOCATION | L0000044 | VOLUME | 458178.299 | 3768431.003 | 317.00 |
| LOCATION | L0000045 | VOLUME | 458164.299 | 3768430.994 | 317.00 |
| LOCATION | L0000046 | VOLUME | 458150.299 | 3768430.984 | 317.00 |
| LOCATION | L0000047 | VOLUME | 458136.299 | 3768430.974 | 316.98 |
| LOCATION | L0000048 | VOLUME | 458122.299 | 3768430.965 | 316.90 |
| LOCATION | L0000049 | VOLUME | 458118.818 | 3768441.374 | 317.00 |
| LOCATION | L0000050 | VOLUME | 458118.962 | 3768455.373 | 317.00 |
| LOCATION | L0000051 | VOLUME | 458119.106 | 3768469.372 | 317.00 |
| LOCATION | L0000052 | VOLUME | 458119.251 | 3768483.372 | 317.00 |
| LOCATION | L0000053 | VOLUME | 458119.395 | 3768497.371 | 317.03 |
| LOCATION | L0000054 | VOLUME | 458119.539 | 3768511.370 | 317.50 |
| LOCATION | L0000055 | VOLUME | 458119.683 | 3768525.369 | 317.97 |
| LOCATION | L0000056 | VOLUME | 458119.827 | 3768539.369 | 318.00 |
| LOCATION | L0000057 | VOLUME | 458119.971 | 3768553.368 | 318.00 |
| LOCATION | L0000058 | VOLUME | 458120.115 | 3768567.367 | 318.00 |
| LOCATION | L0000059 | VOLUME | 458120.259 | 3768581.367 | 318.00 |
| LOCATION | L0000060 | VOLUME | 458120.403 | 3768595.366 | 318.30 |
| LOCATION | L0000061 | VOLUME | 458120.548 | 3768609.365 | 318.77 |
| LOCATION | L0000062 | VOLUME | 458120.692 | 3768623.364 | 319.00 |
| LOCATION | L0000063 | VOLUME | 458120.836 | 3768637.364 | 319.00 |
| LOCATION | L0000064 | VOLUME | 458120.980 | 3768651.363 | 319.00 |
| LOCATION | L0000065 | VOLUME | 458121.124 | 3768665.362 | 319.00 |
| LOCATION | L0000066 | VOLUME | 458121.268 | 3768679.361 | 319.04 |
| LOCATION | L0000067 | VOLUME | 458121.412 | 3768693.361 | 319.22 |
| LOCATION | L0000068 | VOLUME | 458121.556 | 3768707.360 | 319.42 |
| LOCATION | L0000069 | VOLUME | 458121.700 | 3768721.359 | 319.70 |
| LOCATION | L0000070 | VOLUME | 458121.845 | 3768735.358 | 319.98 |
| LOCATION | L0000071 | VOLUME | 458121.990 | 3768749.358 | 320.00 |
| LOCATION | L0000072 | VOLUME | 458122.147 | 3768763.357 | 320.00 |

|          |          |        |            |             |        |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0000073 | VOLUME | 458122.303 | 3768777.356 | 320.37 |
| LOCATION | L0000074 | VOLUME | 458122.459 | 3768791.355 | 320.83 |
| LOCATION | L0000075 | VOLUME | 458122.615 | 3768805.354 | 321.00 |
| LOCATION | L0000076 | VOLUME | 458122.771 | 3768819.353 | 321.00 |
| LOCATION | L0000077 | VOLUME | 458122.927 | 3768833.352 | 321.00 |
| LOCATION | L0000078 | VOLUME | 458123.084 | 3768847.352 | 321.00 |
| LOCATION | L0000079 | VOLUME | 458123.240 | 3768861.351 | 321.17 |
| LOCATION | L0000080 | VOLUME | 458123.396 | 3768875.350 | 321.63 |
| LOCATION | L0000081 | VOLUME | 458123.552 | 3768889.349 | 322.00 |
| LOCATION | L0000082 | VOLUME | 458123.708 | 3768903.348 | 322.00 |
| LOCATION | L0000083 | VOLUME | 458123.864 | 3768917.347 | 322.00 |
| LOCATION | L0000084 | VOLUME | 458124.021 | 3768931.346 | 322.00 |
| LOCATION | L0000085 | VOLUME | 458124.177 | 3768945.345 | 322.00 |
| LOCATION | L0000086 | VOLUME | 458124.333 | 3768959.345 | 322.43 |
| LOCATION | L0000087 | VOLUME | 458124.489 | 3768973.344 | 322.90 |
| LOCATION | L0000088 | VOLUME | 458124.645 | 3768987.343 | 323.00 |
| LOCATION | L0000089 | VOLUME | 458124.801 | 3769001.342 | 323.00 |
| LOCATION | L0000090 | VOLUME | 458124.958 | 3769015.341 | 323.15 |
| LOCATION | L0000091 | VOLUME | 458125.114 | 3769029.340 | 323.40 |
| LOCATION | L0000092 | VOLUME | 458125.270 | 3769043.339 | 323.63 |
| LOCATION | L0000093 | VOLUME | 458125.426 | 3769057.338 | 323.86 |
| LOCATION | L0000094 | VOLUME | 458125.582 | 3769071.338 | 324.00 |
| LOCATION | L0000095 | VOLUME | 458125.738 | 3769085.337 | 324.00 |
| LOCATION | L0000096 | VOLUME | 458125.895 | 3769099.336 | 324.05 |
| LOCATION | L0000097 | VOLUME | 458126.051 | 3769113.335 | 324.31 |
| LOCATION | L0000098 | VOLUME | 458126.207 | 3769127.334 | 324.57 |
| LOCATION | L0000099 | VOLUME | 458126.363 | 3769141.333 | 324.78 |
| LOCATION | L0000100 | VOLUME | 458126.519 | 3769155.332 | 324.99 |
| LOCATION | L0000101 | VOLUME | 458126.675 | 3769169.331 | 325.00 |
| LOCATION | L0000102 | VOLUME | 458126.832 | 3769183.331 | 325.00 |
| LOCATION | L0000103 | VOLUME | 458126.988 | 3769197.330 | 325.21 |
| LOCATION | L0000104 | VOLUME | 458127.144 | 3769211.329 | 325.49 |
| LOCATION | L0000105 | VOLUME | 458127.300 | 3769225.328 | 325.71 |
| LOCATION | L0000106 | VOLUME | 458127.456 | 3769239.327 | 325.91 |
| LOCATION | L0000107 | VOLUME | 458127.612 | 3769253.326 | 326.14 |
| LOCATION | L0000108 | VOLUME | 458127.769 | 3769267.325 | 326.42 |
| LOCATION | L0000109 | VOLUME | 458127.925 | 3769281.325 | 326.61 |
| LOCATION | L0000110 | VOLUME | 458128.081 | 3769295.324 | 326.62 |
| LOCATION | L0000111 | VOLUME | 458128.237 | 3769309.323 | 326.76 |
| LOCATION | L0000112 | VOLUME | 458128.393 | 3769323.322 | 327.40 |
| LOCATION | L0000113 | VOLUME | 458128.811 | 3769337.312 | 328.03 |
| LOCATION | L0000114 | VOLUME | 458129.571 | 3769351.292 | 328.50 |
| LOCATION | L0000115 | VOLUME | 458130.331 | 3769365.271 | 328.96 |
| LOCATION | L0000116 | VOLUME | 458131.090 | 3769379.251 | 329.00 |
| LOCATION | L0000117 | VOLUME | 458131.850 | 3769393.230 | 329.00 |
| LOCATION | L0000118 | VOLUME | 458132.610 | 3769407.209 | 329.00 |
| LOCATION | L0000119 | VOLUME | 458133.370 | 3769421.189 | 329.00 |
| LOCATION | L0000120 | VOLUME | 458134.129 | 3769435.168 | 329.24 |
| LOCATION | L0000121 | VOLUME | 458134.889 | 3769449.147 | 329.64 |
| LOCATION | L0000122 | VOLUME | 458135.514 | 3769463.131 | 330.68 |
| LOCATION | L0000123 | VOLUME | 458135.729 | 3769477.130 | 332.38 |
| LOCATION | L0000124 | VOLUME | 458135.945 | 3769491.128 | 333.95 |
| LOCATION | L0000125 | VOLUME | 458136.160 | 3769505.127 | 335.28 |
| LOCATION | L0000126 | VOLUME | 458136.375 | 3769519.125 | 336.20 |
| LOCATION | L0000127 | VOLUME | 458136.591 | 3769533.123 | 335.45 |
| LOCATION | L0000128 | VOLUME | 458136.806 | 3769547.122 | 334.72 |
| LOCATION | L0000129 | VOLUME | 458137.021 | 3769561.120 | 334.79 |
| LOCATION | L0000130 | VOLUME | 458137.237 | 3769575.118 | 334.84 |
| LOCATION | L0000131 | VOLUME | 458137.523 | 3769589.115 | 334.92 |
| LOCATION | L0000132 | VOLUME | 458137.854 | 3769603.111 | 334.99 |
| LOCATION | L0000133 | VOLUME | 458138.185 | 3769617.107 | 334.97 |
| LOCATION | L0000134 | VOLUME | 458138.517 | 3769631.103 | 334.94 |
| LOCATION | L0000135 | VOLUME | 458138.848 | 3769645.100 | 333.21 |
| LOCATION | L0000136 | VOLUME | 458139.180 | 3769659.096 | 330.44 |
| LOCATION | L0000137 | VOLUME | 458139.511 | 3769673.092 | 330.35 |
| LOCATION | L0000138 | VOLUME | 458139.842 | 3769687.088 | 333.15 |

|          |          |        |            |             |        |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0000139 | VOLUME | 458140.174 | 3769701.084 | 335.00 |
| LOCATION | L0000140 | VOLUME | 458140.505 | 3769715.080 | 335.00 |
| LOCATION | L0000141 | VOLUME | 458140.837 | 3769729.076 | 335.00 |
| LOCATION | L0000142 | VOLUME | 458141.168 | 3769743.072 | 335.00 |
| LOCATION | L0000143 | VOLUME | 458141.500 | 3769757.068 | 334.95 |
| LOCATION | L0000144 | VOLUME | 458141.831 | 3769771.064 | 334.09 |
| LOCATION | L0000145 | VOLUME | 458142.162 | 3769785.060 | 333.25 |
| LOCATION | L0000146 | VOLUME | 458142.494 | 3769799.056 | 332.81 |
| LOCATION | L0000147 | VOLUME | 458142.825 | 3769813.052 | 332.42 |
| LOCATION | L0000148 | VOLUME | 458143.157 | 3769827.049 | 332.31 |

\*\* End of LINE VOLUME Source ID = SLINE1

\*\* Source Parameters \*\*

|          |      |              |       |        |       |
|----------|------|--------------|-------|--------|-------|
| SRCPARAM | VOL1 | 0.0044355553 | 5.000 | 43.819 | 1.400 |
| SRCPARAM | VOL2 | 0.0044355553 | 5.000 | 43.819 | 1.400 |
| SRCPARAM | VOL3 | 0.0044355553 | 5.000 | 43.819 | 1.400 |
| SRCPARAM | VOL4 | 0.0044355553 | 5.000 | 43.819 | 1.400 |

\*\* LINE VOLUME Source ID = SLINE1

|          |          |             |      |      |      |
|----------|----------|-------------|------|------|------|
| SRCPARAM | L0000001 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000002 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000003 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000004 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000005 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000006 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000007 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000008 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000009 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000010 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000011 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000012 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000013 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000014 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000015 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000016 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000017 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000018 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000019 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000020 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000021 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000022 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000023 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000024 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000025 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000026 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000027 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000028 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000029 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000030 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000031 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000032 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000033 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000034 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000035 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000036 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000037 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000038 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000039 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000040 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000041 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000042 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000043 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000044 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000045 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000046 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000047 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000048 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000049 | 0.000002737 | 3.49 | 6.51 | 3.25 |





|          |          |             |      |      |      |
|----------|----------|-------------|------|------|------|
| SRCPARAM | L0000116 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000117 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000118 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000119 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000120 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000121 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000122 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000123 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000124 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000125 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000126 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000127 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000128 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000129 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000130 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000131 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000132 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000133 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000134 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000135 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000136 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000137 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000138 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000139 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000140 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000141 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000142 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000143 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000144 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000145 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000146 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000147 | 0.000002737 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000148 | 0.000002737 | 3.49 | 6.51 | 3.25 |

\*\*

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 URBANSRC ALL

\*\* Variable Emissions Type: "By Hour / Day (HRDOW)"

\*\* Variable Emission Scenario: "Scenario 1"

\*\* WeekDays:

|          |      |       |     |     |     |     |     |     |
|----------|------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT | VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL1 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | VOL1 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

\*\* Saturday:

|          |      |       |     |     |     |     |     |     |
|----------|------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT | VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

\*\* Sunday:

|          |      |       |     |     |     |     |     |     |
|----------|------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT | VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

\*\* WeekDays:

|          |      |       |     |     |     |     |     |     |
|----------|------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT | VOL2 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL2 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | VOL2 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | VOL2 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

\*\* Saturday:

|          |      |       |     |     |     |     |     |     |
|----------|------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT | VOL2 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL2 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL2 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL2 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

\*\* Sunday:

|          |      |       |     |     |     |     |     |     |
|----------|------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT | VOL2 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL2 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |





























































EMISFACT L0000141 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000142 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000142 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
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EMISFACT L0000147 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
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EMISFACT L0000148 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
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EMISFACT L0000148 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000148 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

SRCGROUP ALL

SO FINISHED

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\*\*\*\*\*  
\*\* AERMOD Receptor Pathway  
\*\*\*\*\*

\*\*  
\*\*  
RE STARTING  
INCLUDED "14581 Construction.rou"

RE FINISHED  
\*\*  
\*\*\*\*\*

\*\* AERMOD Meteorology Pathway  
\*\*\*\*\*  
\*\*  
\*\*

ME STARTING  
SURFFILE FONT\_V9\_ADJU\FONT\_v9.SFC  
PROFFILE FONT\_V9\_ADJU\FONT\_v9.PFL  
SURFDATA 3102 2011  
UAIRDATA 3190 2011  
SITEDATA 99999 2011  
PROFBASE 367.0 METERS

ME FINISHED  
\*\*  
\*\*\*\*\*  
\*\* AERMOD Output Pathway  
\*\*\*\*\*

\*\*  
\*\*  
OU STARTING  
\*\* Auto-Generated Plotfiles  
PLOTFILE ANNUAL ALL "14581 CONSTRUCTION.AD\AN00GALL.PLT" 31  
SUMMFILE "14581 Construction.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 2230 MEOpen: THRESH\_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 2230 MEOpen: ADJ\_U\* Option for Stable Low Winds used in AERMET

\*\*\*\*\*
\*\*\* SETUP Finishes Successfully \*\*\*
\*\*\*\*\*

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\14581 Oleander and
Santa Ana\14 \*\*\* 12/02/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 09:35:46

PAGE 1

\*\*\* MODELOPTs: RegDEFAULT 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 152 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2035210.0 ; Urban Roughness Length = 1.000 m
\* Urban Roughness Length of 1.0 Meter Used.
\* ADJ\_U\* - Use ADJ\_U\* option for SBL in AERMET
\* TEMP\_Sub - Meteorological data includes TEMP substitutions
\* Model Assumes No FLAGPOLE Receptor Heights.
\* The User Specified a Pollutant Type of: DPM

\*\*Model Calculates ANNUAL Averages Only

\*\*This Run Includes: 152 Source(s); 1 Source Group(s); and 74 Receptor(s)
with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 152 VOLUME source(s)
and: 0 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 ANNUAL 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) = 367.00 ; 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: 14581

Construction.err

\*\*File for Summary of Results: 14581

Construction.sum

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14581 Oleander and  
Santa Ana\14 \*\*\* 12/02/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 09:35:46

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

| SOURCE    | NUMBER      | EMISSION RATE | BASE     | RELEASE   | INIT.    | INIT.    |       |      |
|-----------|-------------|---------------|----------|-----------|----------|----------|-------|------|
| SOURCE    | URBAN       | EMISSION RATE | ELEV.    | HEIGHT    | SY       | SZ       |       |      |
| ID        | PART.       | (GRAMS/SEC)   | (METERS) | (METERS)  | (METERS) | (METERS) |       |      |
| (METERS)  | SCALAR VARY | CATS.         | (METERS) | (METERS)  | (METERS) | (METERS) |       |      |
|           |             | BY            |          |           |          |          |       |      |
| VOL1      | 0           | 0.44356E-02   | 458224.1 | 3768536.1 | 318.0    | 5.00     | 43.82 | 1.40 |
| YES HRDOW |             |               |          |           |          |          |       |      |
| VOL2      | 0           | 0.44356E-02   | 458382.5 | 3768535.8 | 318.3    | 5.00     | 43.82 | 1.40 |
| YES HRDOW |             |               |          |           |          |          |       |      |
| VOL3      | 0           | 0.44356E-02   | 458538.8 | 3768535.9 | 319.1    | 5.00     | 43.82 | 1.40 |
| YES HRDOW |             |               |          |           |          |          |       |      |
| VOL4      | 0           | 0.44356E-02   | 458695.1 | 3768535.5 | 320.0    | 5.00     | 43.82 | 1.40 |
| YES HRDOW |             |               |          |           |          |          |       |      |
| L0000001  | 0           | 0.27370E-05   | 458780.3 | 3768431.4 | 319.0    | 3.49     | 6.51  | 3.25 |
| YES HRDOW |             |               |          |           |          |          |       |      |
| L0000002  | 0           | 0.27370E-05   | 458766.3 | 3768431.4 | 319.0    | 3.49     | 6.51  | 3.25 |



|          |       |   |             |          |           |       |      |      |      |
|----------|-------|---|-------------|----------|-----------|-------|------|------|------|
| YES      | HRDOW |   |             |          |           |       |      |      |      |
| L0000003 |       | 0 | 0.27370E-05 | 458752.3 | 3768431.4 | 319.0 | 3.49 | 6.51 | 3.25 |
| YES      | HRDOW |   |             |          |           |       |      |      |      |
| L0000004 |       | 0 | 0.27370E-05 | 458738.3 | 3768431.4 | 319.0 | 3.49 | 6.51 | 3.25 |
| YES      | HRDOW |   |             |          |           |       |      |      |      |
| L0000005 |       | 0 | 0.27370E-05 | 458724.3 | 3768431.4 | 319.0 | 3.49 | 6.51 | 3.25 |
| YES      | HRDOW |   |             |          |           |       |      |      |      |
| L0000006 |       | 0 | 0.27370E-05 | 458710.3 | 3768431.4 | 319.0 | 3.49 | 6.51 | 3.25 |
| YES      | HRDOW |   |             |          |           |       |      |      |      |
| L0000007 |       | 0 | 0.27370E-05 | 458696.3 | 3768431.4 | 319.0 | 3.49 | 6.51 | 3.25 |
| YES      | HRDOW |   |             |          |           |       |      |      |      |
| L0000008 |       | 0 | 0.27370E-05 | 458682.3 | 3768431.4 | 319.0 | 3.49 | 6.51 | 3.25 |
| YES      | HRDOW |   |             |          |           |       |      |      |      |
| L0000009 |       | 0 | 0.27370E-05 | 458668.3 | 3768431.3 | 318.9 | 3.49 | 6.51 | 3.25 |
| YES      | HRDOW |   |             |          |           |       |      |      |      |
| L0000010 |       | 0 | 0.27370E-05 | 458654.3 | 3768431.3 | 318.9 | 3.49 | 6.51 | 3.25 |
| YES      | HRDOW |   |             |          |           |       |      |      |      |
| L0000011 |       | 0 | 0.27370E-05 | 458640.3 | 3768431.3 | 318.8 | 3.49 | 6.51 | 3.25 |
| YES      | HRDOW |   |             |          |           |       |      |      |      |
| L0000012 |       | 0 | 0.27370E-05 | 458626.3 | 3768431.3 | 318.8 | 3.49 | 6.51 | 3.25 |
| YES      | HRDOW |   |             |          |           |       |      |      |      |
| L0000013 |       | 0 | 0.27370E-05 | 458612.3 | 3768431.3 | 318.6 | 3.49 | 6.51 | 3.25 |
| YES      | HRDOW |   |             |          |           |       |      |      |      |
| L0000014 |       | 0 | 0.27370E-05 | 458598.3 | 3768431.3 | 318.2 | 3.49 | 6.51 | 3.25 |
| YES      | HRDOW |   |             |          |           |       |      |      |      |
| L0000015 |       | 0 | 0.27370E-05 | 458584.3 | 3768431.3 | 318.0 | 3.49 | 6.51 | 3.25 |
| YES      | HRDOW |   |             |          |           |       |      |      |      |
| L0000016 |       | 0 | 0.27370E-05 | 458570.3 | 3768431.3 | 318.0 | 3.49 | 6.51 | 3.25 |
| YES      | HRDOW |   |             |          |           |       |      |      |      |
| L0000017 |       | 0 | 0.27370E-05 | 458556.3 | 3768431.3 | 318.0 | 3.49 | 6.51 | 3.25 |
| YES      | HRDOW |   |             |          |           |       |      |      |      |
| L0000018 |       | 0 | 0.27370E-05 | 458542.3 | 3768431.3 | 318.0 | 3.49 | 6.51 | 3.25 |
| YES      | HRDOW |   |             |          |           |       |      |      |      |
| L0000019 |       | 0 | 0.27370E-05 | 458528.3 | 3768431.2 | 318.0 | 3.49 | 6.51 | 3.25 |
| YES      | HRDOW |   |             |          |           |       |      |      |      |
| L0000020 |       | 0 | 0.27370E-05 | 458514.3 | 3768431.2 | 318.0 | 3.49 | 6.51 | 3.25 |
| YES      | HRDOW |   |             |          |           |       |      |      |      |
| L0000021 |       | 0 | 0.27370E-05 | 458500.3 | 3768431.2 | 318.0 | 3.49 | 6.51 | 3.25 |
| YES      | HRDOW |   |             |          |           |       |      |      |      |
| L0000022 |       | 0 | 0.27370E-05 | 458486.3 | 3768431.2 | 317.9 | 3.49 | 6.51 | 3.25 |
| YES      | HRDOW |   |             |          |           |       |      |      |      |
| L0000023 |       | 0 | 0.27370E-05 | 458472.3 | 3768431.2 | 317.8 | 3.49 | 6.51 | 3.25 |
| YES      | HRDOW |   |             |          |           |       |      |      |      |
| L0000024 |       | 0 | 0.27370E-05 | 458458.3 | 3768431.2 | 317.5 | 3.49 | 6.51 | 3.25 |
| YES      | HRDOW |   |             |          |           |       |      |      |      |
| L0000025 |       | 0 | 0.27370E-05 | 458444.3 | 3768431.2 | 317.1 | 3.49 | 6.51 | 3.25 |
| YES      | HRDOW |   |             |          |           |       |      |      |      |
| L0000026 |       | 0 | 0.27370E-05 | 458430.3 | 3768431.2 | 317.0 | 3.49 | 6.51 | 3.25 |
| YES      | HRDOW |   |             |          |           |       |      |      |      |
| L0000027 |       | 0 | 0.27370E-05 | 458416.3 | 3768431.2 | 317.0 | 3.49 | 6.51 | 3.25 |
| YES      | HRDOW |   |             |          |           |       |      |      |      |
| L0000028 |       | 0 | 0.27370E-05 | 458402.3 | 3768431.2 | 317.0 | 3.49 | 6.51 | 3.25 |
| YES      | HRDOW |   |             |          |           |       |      |      |      |
| L0000029 |       | 0 | 0.27370E-05 | 458388.3 | 3768431.1 | 317.0 | 3.49 | 6.51 | 3.25 |
| YES      | HRDOW |   |             |          |           |       |      |      |      |
| L0000030 |       | 0 | 0.27370E-05 | 458374.3 | 3768431.1 | 317.0 | 3.49 | 6.51 | 3.25 |
| YES      | HRDOW |   |             |          |           |       |      |      |      |
| L0000031 |       | 0 | 0.27370E-05 | 458360.3 | 3768431.1 | 317.0 | 3.49 | 6.51 | 3.25 |
| YES      | HRDOW |   |             |          |           |       |      |      |      |
| L0000032 |       | 0 | 0.27370E-05 | 458346.3 | 3768431.1 | 317.0 | 3.49 | 6.51 | 3.25 |
| YES      | HRDOW |   |             |          |           |       |      |      |      |
| L0000033 |       | 0 | 0.27370E-05 | 458332.3 | 3768431.1 | 317.0 | 3.49 | 6.51 | 3.25 |
| YES      | HRDOW |   |             |          |           |       |      |      |      |
| L0000034 |       | 0 | 0.27370E-05 | 458318.3 | 3768431.1 | 317.0 | 3.49 | 6.51 | 3.25 |
| YES      | HRDOW |   |             |          |           |       |      |      |      |
| L0000035 |       | 0 | 0.27370E-05 | 458304.3 | 3768431.1 | 317.0 | 3.49 | 6.51 | 3.25 |

YES HRDOW  
L0000036 0 0.27370E-05 458290.3 3768431.1 317.0 3.49 6.51 3.25

YES HRDOW

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Santa Ana\14 \*\*\* 12/02/22  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

| SOURCE    | NUMBER      | EMISSION RATE |          |           | BASE     | RELEASE  | INIT.    | INIT.    |
|-----------|-------------|---------------|----------|-----------|----------|----------|----------|----------|
| SOURCE    | URBAN       | EMISSION RATE |          |           | ELEV.    | HEIGHT   | SY       | SZ       |
| ID        | SCALAR VARY | (GRAMS/SEC)   | X        | Y         | (METERS) | (METERS) | (METERS) | (METERS) |
| (METERS)  | CATS.       | BY            | (METERS) | (METERS)  | (METERS) | (METERS) | (METERS) | (METERS) |
| L0000037  | 0           | 0.27370E-05   | 458276.3 | 3768431.1 | 317.4    | 3.49     | 6.51     | 3.25     |
| YES HRDOW |             |               |          |           |          |          |          |          |
| L0000038  | 0           | 0.27370E-05   | 458262.3 | 3768431.1 | 317.8    | 3.49     | 6.51     | 3.25     |
| YES HRDOW |             |               |          |           |          |          |          |          |
| L0000039  | 0           | 0.27370E-05   | 458248.3 | 3768431.1 | 317.5    | 3.49     | 6.51     | 3.25     |
| YES HRDOW |             |               |          |           |          |          |          |          |
| L0000040  | 0           | 0.27370E-05   | 458234.3 | 3768431.0 | 317.1    | 3.49     | 6.51     | 3.25     |
| YES HRDOW |             |               |          |           |          |          |          |          |
| L0000041  | 0           | 0.27370E-05   | 458220.3 | 3768431.0 | 317.0    | 3.49     | 6.51     | 3.25     |
| YES HRDOW |             |               |          |           |          |          |          |          |
| L0000042  | 0           | 0.27370E-05   | 458206.3 | 3768431.0 | 317.0    | 3.49     | 6.51     | 3.25     |
| YES HRDOW |             |               |          |           |          |          |          |          |
| L0000043  | 0           | 0.27370E-05   | 458192.3 | 3768431.0 | 317.0    | 3.49     | 6.51     | 3.25     |
| YES HRDOW |             |               |          |           |          |          |          |          |
| L0000044  | 0           | 0.27370E-05   | 458178.3 | 3768431.0 | 317.0    | 3.49     | 6.51     | 3.25     |
| YES HRDOW |             |               |          |           |          |          |          |          |
| L0000045  | 0           | 0.27370E-05   | 458164.3 | 3768431.0 | 317.0    | 3.49     | 6.51     | 3.25     |
| YES HRDOW |             |               |          |           |          |          |          |          |
| L0000046  | 0           | 0.27370E-05   | 458150.3 | 3768431.0 | 317.0    | 3.49     | 6.51     | 3.25     |
| YES HRDOW |             |               |          |           |          |          |          |          |
| L0000047  | 0           | 0.27370E-05   | 458136.3 | 3768431.0 | 317.0    | 3.49     | 6.51     | 3.25     |
| YES HRDOW |             |               |          |           |          |          |          |          |
| L0000048  | 0           | 0.27370E-05   | 458122.3 | 3768431.0 | 316.9    | 3.49     | 6.51     | 3.25     |
| YES HRDOW |             |               |          |           |          |          |          |          |
| L0000049  | 0           | 0.27370E-05   | 458118.8 | 3768441.4 | 317.0    | 3.49     | 6.51     | 3.25     |
| YES HRDOW |             |               |          |           |          |          |          |          |
| L0000050  | 0           | 0.27370E-05   | 458119.0 | 3768455.4 | 317.0    | 3.49     | 6.51     | 3.25     |
| YES HRDOW |             |               |          |           |          |          |          |          |
| L0000051  | 0           | 0.27370E-05   | 458119.1 | 3768469.4 | 317.0    | 3.49     | 6.51     | 3.25     |
| YES HRDOW |             |               |          |           |          |          |          |          |
| L0000052  | 0           | 0.27370E-05   | 458119.3 | 3768483.4 | 317.0    | 3.49     | 6.51     | 3.25     |
| YES HRDOW |             |               |          |           |          |          |          |          |
| L0000053  | 0           | 0.27370E-05   | 458119.4 | 3768497.4 | 317.0    | 3.49     | 6.51     | 3.25     |
| YES HRDOW |             |               |          |           |          |          |          |          |
| L0000054  | 0           | 0.27370E-05   | 458119.5 | 3768511.4 | 317.5    | 3.49     | 6.51     | 3.25     |
| YES HRDOW |             |               |          |           |          |          |          |          |
| L0000055  | 0           | 0.27370E-05   | 458119.7 | 3768525.4 | 318.0    | 3.49     | 6.51     | 3.25     |
| YES HRDOW |             |               |          |           |          |          |          |          |
| L0000056  | 0           | 0.27370E-05   | 458119.8 | 3768539.4 | 318.0    | 3.49     | 6.51     | 3.25     |
| YES HRDOW |             |               |          |           |          |          |          |          |
| L0000057  | 0           | 0.27370E-05   | 458120.0 | 3768553.4 | 318.0    | 3.49     | 6.51     | 3.25     |
| YES HRDOW |             |               |          |           |          |          |          |          |
| L0000058  | 0           | 0.27370E-05   | 458120.1 | 3768567.4 | 318.0    | 3.49     | 6.51     | 3.25     |



|           |          |   |             |          |           |       |      |      |      |
|-----------|----------|---|-------------|----------|-----------|-------|------|------|------|
| YES HRDOW | L0000082 | 0 | 0.27370E-05 | 458123.7 | 3768903.3 | 322.0 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | L0000083 | 0 | 0.27370E-05 | 458123.9 | 3768917.3 | 322.0 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | L0000084 | 0 | 0.27370E-05 | 458124.0 | 3768931.3 | 322.0 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | L0000085 | 0 | 0.27370E-05 | 458124.2 | 3768945.3 | 322.0 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | L0000086 | 0 | 0.27370E-05 | 458124.3 | 3768959.3 | 322.4 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | L0000087 | 0 | 0.27370E-05 | 458124.5 | 3768973.3 | 322.9 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | L0000088 | 0 | 0.27370E-05 | 458124.6 | 3768987.3 | 323.0 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | L0000089 | 0 | 0.27370E-05 | 458124.8 | 3769001.3 | 323.0 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | L0000090 | 0 | 0.27370E-05 | 458125.0 | 3769015.3 | 323.2 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | L0000091 | 0 | 0.27370E-05 | 458125.1 | 3769029.3 | 323.4 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | L0000092 | 0 | 0.27370E-05 | 458125.3 | 3769043.3 | 323.6 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | L0000093 | 0 | 0.27370E-05 | 458125.4 | 3769057.3 | 323.9 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | L0000094 | 0 | 0.27370E-05 | 458125.6 | 3769071.3 | 324.0 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | L0000095 | 0 | 0.27370E-05 | 458125.7 | 3769085.3 | 324.0 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | L0000096 | 0 | 0.27370E-05 | 458125.9 | 3769099.3 | 324.1 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | L0000097 | 0 | 0.27370E-05 | 458126.1 | 3769113.3 | 324.3 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | L0000098 | 0 | 0.27370E-05 | 458126.2 | 3769127.3 | 324.6 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | L0000099 | 0 | 0.27370E-05 | 458126.4 | 3769141.3 | 324.8 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | L0000100 | 0 | 0.27370E-05 | 458126.5 | 3769155.3 | 325.0 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | L0000101 | 0 | 0.27370E-05 | 458126.7 | 3769169.3 | 325.0 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | L0000102 | 0 | 0.27370E-05 | 458126.8 | 3769183.3 | 325.0 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | L0000103 | 0 | 0.27370E-05 | 458127.0 | 3769197.3 | 325.2 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | L0000104 | 0 | 0.27370E-05 | 458127.1 | 3769211.3 | 325.5 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | L0000105 | 0 | 0.27370E-05 | 458127.3 | 3769225.3 | 325.7 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | L0000106 | 0 | 0.27370E-05 | 458127.5 | 3769239.3 | 325.9 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | L0000107 | 0 | 0.27370E-05 | 458127.6 | 3769253.3 | 326.1 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | L0000108 | 0 | 0.27370E-05 | 458127.8 | 3769267.3 | 326.4 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | L0000109 | 0 | 0.27370E-05 | 458127.9 | 3769281.3 | 326.6 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | L0000110 | 0 | 0.27370E-05 | 458128.1 | 3769295.3 | 326.6 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | L0000111 | 0 | 0.27370E-05 | 458128.2 | 3769309.3 | 326.8 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | L0000112 | 0 | 0.27370E-05 | 458128.4 | 3769323.3 | 327.4 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | L0000113 | 0 | 0.27370E-05 | 458128.8 | 3769337.3 | 328.0 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | L0000114 | 0 | 0.27370E-05 | 458129.6 | 3769351.3 | 328.5 | 3.49 | 6.51 | 3.25 |

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YES HRDOW
L0000115      0  0.27370E-05  458130.3 3769365.3  329.0  3.49  6.51  3.25
YES HRDOW
L0000116      0  0.27370E-05  458131.1 3769379.3  329.0  3.49  6.51  3.25
YES HRDOW
*** AERMOD - VERSION 22112 ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14581 Oleander and
Santa Ana\14 ***                12/02/22
*** AERMET - VERSION 16216 ***
***
***                                ***                09:35:46

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

| SOURCE    | NUMBER | EMISSION    | RATE |          | BASE      | RELEASE  | INIT.    | INIT.     |
|-----------|--------|-------------|------|----------|-----------|----------|----------|-----------|
| SOURCE    | URBAN  | EMISSION    | RATE |          | ELEV.     | HEIGHT   | SY       | SZ        |
| ID        | PART.  | (GRAMS/SEC) |      | X        |           |          |          |           |
| (METERS)  | CATS.  |             | BY   | (METERS) | (METERS)  | (METERS) | (METERS) | (METERS)  |
| L0000117  | 0      | 0.27370E-05 |      | 458131.8 | 3769393.2 | 329.0    | 3.49     | 6.51 3.25 |
| YES HRDOW |        |             |      |          |           |          |          |           |
| L0000118  | 0      | 0.27370E-05 |      | 458132.6 | 3769407.2 | 329.0    | 3.49     | 6.51 3.25 |
| YES HRDOW |        |             |      |          |           |          |          |           |
| L0000119  | 0      | 0.27370E-05 |      | 458133.4 | 3769421.2 | 329.0    | 3.49     | 6.51 3.25 |
| YES HRDOW |        |             |      |          |           |          |          |           |
| L0000120  | 0      | 0.27370E-05 |      | 458134.1 | 3769435.2 | 329.2    | 3.49     | 6.51 3.25 |
| YES HRDOW |        |             |      |          |           |          |          |           |
| L0000121  | 0      | 0.27370E-05 |      | 458134.9 | 3769449.1 | 329.6    | 3.49     | 6.51 3.25 |
| YES HRDOW |        |             |      |          |           |          |          |           |
| L0000122  | 0      | 0.27370E-05 |      | 458135.5 | 3769463.1 | 330.7    | 3.49     | 6.51 3.25 |
| YES HRDOW |        |             |      |          |           |          |          |           |
| L0000123  | 0      | 0.27370E-05 |      | 458135.7 | 3769477.1 | 332.4    | 3.49     | 6.51 3.25 |
| YES HRDOW |        |             |      |          |           |          |          |           |
| L0000124  | 0      | 0.27370E-05 |      | 458135.9 | 3769491.1 | 333.9    | 3.49     | 6.51 3.25 |
| YES HRDOW |        |             |      |          |           |          |          |           |
| L0000125  | 0      | 0.27370E-05 |      | 458136.2 | 3769505.1 | 335.3    | 3.49     | 6.51 3.25 |
| YES HRDOW |        |             |      |          |           |          |          |           |
| L0000126  | 0      | 0.27370E-05 |      | 458136.4 | 3769519.1 | 336.2    | 3.49     | 6.51 3.25 |
| YES HRDOW |        |             |      |          |           |          |          |           |
| L0000127  | 0      | 0.27370E-05 |      | 458136.6 | 3769533.1 | 335.4    | 3.49     | 6.51 3.25 |
| YES HRDOW |        |             |      |          |           |          |          |           |
| L0000128  | 0      | 0.27370E-05 |      | 458136.8 | 3769547.1 | 334.7    | 3.49     | 6.51 3.25 |
| YES HRDOW |        |             |      |          |           |          |          |           |
| L0000129  | 0      | 0.27370E-05 |      | 458137.0 | 3769561.1 | 334.8    | 3.49     | 6.51 3.25 |
| YES HRDOW |        |             |      |          |           |          |          |           |
| L0000130  | 0      | 0.27370E-05 |      | 458137.2 | 3769575.1 | 334.8    | 3.49     | 6.51 3.25 |
| YES HRDOW |        |             |      |          |           |          |          |           |
| L0000131  | 0      | 0.27370E-05 |      | 458137.5 | 3769589.1 | 334.9    | 3.49     | 6.51 3.25 |
| YES HRDOW |        |             |      |          |           |          |          |           |
| L0000132  | 0      | 0.27370E-05 |      | 458137.9 | 3769603.1 | 335.0    | 3.49     | 6.51 3.25 |
| YES HRDOW |        |             |      |          |           |          |          |           |
| L0000133  | 0      | 0.27370E-05 |      | 458138.2 | 3769617.1 | 335.0    | 3.49     | 6.51 3.25 |
| YES HRDOW |        |             |      |          |           |          |          |           |
| L0000134  | 0      | 0.27370E-05 |      | 458138.5 | 3769631.1 | 334.9    | 3.49     | 6.51 3.25 |
| YES HRDOW |        |             |      |          |           |          |          |           |
| L0000135  | 0      | 0.27370E-05 |      | 458138.8 | 3769645.1 | 333.2    | 3.49     | 6.51 3.25 |
| YES HRDOW |        |             |      |          |           |          |          |           |
| L0000136  | 0      | 0.27370E-05 |      | 458139.2 | 3769659.1 | 330.4    | 3.49     | 6.51 3.25 |
| YES HRDOW |        |             |      |          |           |          |          |           |
| L0000137  | 0      | 0.27370E-05 |      | 458139.5 | 3769673.1 | 330.4    | 3.49     | 6.51 3.25 |

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YES HRDOW
L0000138      0  0.27370E-05  458139.8  3769687.1  333.2    3.49    6.51    3.25
YES HRDOW
L0000139      0  0.27370E-05  458140.2  3769701.1  335.0    3.49    6.51    3.25
YES HRDOW
L0000140      0  0.27370E-05  458140.5  3769715.1  335.0    3.49    6.51    3.25
YES HRDOW
L0000141      0  0.27370E-05  458140.8  3769729.1  335.0    3.49    6.51    3.25
YES HRDOW
L0000142      0  0.27370E-05  458141.2  3769743.1  335.0    3.49    6.51    3.25
YES HRDOW
L0000143      0  0.27370E-05  458141.5  3769757.1  334.9    3.49    6.51    3.25
YES HRDOW
L0000144      0  0.27370E-05  458141.8  3769771.1  334.1    3.49    6.51    3.25
YES HRDOW
L0000145      0  0.27370E-05  458142.2  3769785.1  333.2    3.49    6.51    3.25
YES HRDOW
L0000146      0  0.27370E-05  458142.5  3769799.1  332.8    3.49    6.51    3.25
YES HRDOW
L0000147      0  0.27370E-05  458142.8  3769813.1  332.4    3.49    6.51    3.25
YES HRDOW
L0000148      0  0.27370E-05  458143.2  3769827.0  332.3    3.49    6.51    3.25
YES HRDOW

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID  
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SOURCE IDs  
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ALL VOL1 , VOL2 , VOL3 , VOL4 , 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 , L0000063 , L0000064 , L0000065 , L0000066 ,
L0000067 , L0000068 ,

L0000069 , L0000070 , L0000071 , L0000072 , L0000073 , L0000074 ,

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L0000075 , L0000076 ,
L0000077 , L0000078 , L0000079 , L0000080 , L0000081 , L0000082 ,
L0000083 , L0000084 ,
L0000085 , L0000086 , L0000087 , L0000088 , L0000089 , L0000090 ,
L0000091 , L0000092 ,
L0000093 , L0000094 , L0000095 , L0000096 , L0000097 , L0000098 ,
L0000099 , L0000100 ,
L0000101 , L0000102 , L0000103 , L0000104 , L0000105 , L0000106 ,
L0000107 , L0000108 ,
L0000109 , L0000110 , L0000111 , L0000112 , L0000113 , L0000114 ,
L0000115 , L0000116 ,
L0000117 , L0000118 , L0000119 , L0000120 , L0000121 , L0000122 ,
L0000123 , L0000124 ,
L0000125 , L0000126 , L0000127 , L0000128 , L0000129 , L0000130 ,
L0000131 , L0000132 ,
L0000133 , L0000134 , L0000135 , L0000136 , L0000137 , L0000138 ,
L0000139 , L0000140 ,
L0000141 , L0000142 , L0000143 , L0000144 , L0000145 , L0000146 ,
L0000147 , L0000148 ,

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

| URBAN ID | URBAN POP            | SOURCE IDs               |                 |                 |                 |                 |       |
|----------|----------------------|--------------------------|-----------------|-----------------|-----------------|-----------------|-------|
| -----    | -----                | -----                    | -----           | -----           | -----           | -----           | ----- |
| L0000004 | 2035210.<br>L0000002 | VOL1<br>, L0000003       | , VOL2<br>,     | , VOL3<br>,     | , VOL4<br>,     | , L0000001<br>, |       |
|          | L0000005<br>L0000011 | , L0000006<br>, L0000012 | , L0000007<br>, | , L0000008<br>, | , L0000009<br>, | , L0000010<br>, |       |
|          | L0000013<br>L0000019 | , L0000014<br>, L0000020 | , L0000015<br>, | , L0000016<br>, | , L0000017<br>, | , L0000018<br>, |       |
|          | L0000021<br>L0000027 | , L0000022<br>, L0000028 | , L0000023<br>, | , L0000024<br>, | , L0000025<br>, | , L0000026<br>, |       |
|          | L0000029<br>L0000035 | , L0000030<br>, L0000036 | , L0000031<br>, | , L0000032<br>, | , L0000033<br>, | , L0000034<br>, |       |
|          | L0000037<br>L0000043 | , L0000038<br>, L0000044 | , L0000039<br>, | , L0000040<br>, | , L0000041<br>, | , L0000042<br>, |       |
|          | L0000045<br>L0000051 | , L0000046<br>, L0000052 | , L0000047<br>, | , L0000048<br>, | , L0000049<br>, | , L0000050<br>, |       |
|          | L0000053             | , L0000054               | , L0000055      | , L0000056      | , L0000057      | , L0000058      | ,     |

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L0000059 , L0000060 ,
L0000061 , L0000062 , L0000063 , L0000064 , L0000065 , L0000066 ,
L0000067 , L0000068 ,
L0000069 , L0000070 , L0000071 , L0000072 , L0000073 , L0000074 ,
L0000075 , L0000076 ,
L0000077 , L0000078 , L0000079 , L0000080 , L0000081 , L0000082 ,
L0000083 , L0000084 ,
L0000085 , L0000086 , L0000087 , L0000088 , L0000089 , L0000090 ,
L0000091 , L0000092 ,
L0000093 , L0000094 , L0000095 , L0000096 , L0000097 , L0000098 ,
L0000099 , L0000100 ,
L0000101 , L0000102 , L0000103 , L0000104 , L0000105 , L0000106 ,
L0000107 , L0000108 ,
L0000109 , L0000110 , L0000111 , L0000112 , L0000113 , L0000114 ,
L0000115 , L0000116 ,
L0000117 , L0000118 , L0000119 , L0000120 , L0000121 , L0000122 ,
L0000123 , L0000124 ,
L0000125 , L0000126 , L0000127 , L0000128 , L0000129 , L0000130 ,
L0000131 , L0000132 ,
L0000133 , L0000134 , L0000135 , L0000136 , L0000137 , L0000138 ,
L0000139 , L0000140 ,
L0000141 , L0000142 , L0000143 , L0000144 , L0000145 , L0000146 ,
L0000147 , L0000148 ,

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

| SOURCE ID = VOL1 ; SOURCE TYPE = VOLUME : |           |        |           |        |           |        |           |        |           |
|-------------------------------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|
| 1                                         | 2         | 3      | 4         | 5      | 6         | 7      | 8         | 9      | 10        |
| SCALAR                                    | SCALAR    | SCALAR | SCALAR    | SCALAR | SCALAR    | SCALAR | SCALAR    | SCALAR | 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      | .0000E+00 | 9      | .1000E+01 | 10     | .1000E+01 |
| 11                                        | .1000E+01 | 12     | .1000E+01 | 13     | .1000E+01 | 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 | 25     | .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 | 25     | .0000E+00 |
| DAY OF WEEK = SUNDAY                      |           |        |           |        |           |        |           |        |           |
| 1                                         | .0000E+00 | 2      | .0000E+00 | 3      | .0000E+00 | 4      | .0000E+00 | 5      | .0000E+00 |



.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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = VOL2 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = VOL3 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = VOL4 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* 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 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDEFAULT 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 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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Santa Ana\14 \*\*\* 12/02/22
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\*\*\* MODELOPTs: RegDEFAULT 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 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* 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 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDEFAULT 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDEFAULT 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

.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

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\*\*\* 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* 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 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDEFAULT 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 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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Santa Ana\14 \*\*\* 12/02/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 09:35:46



\*\*\* 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 :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY 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 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* 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 :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY 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 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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  
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\*\*\* 09:35:46

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\*\*\* 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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Santa Ana\14 \*\*\* 12/02/22  
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\*\*\* 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDEFAULT 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

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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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDEFAULT 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDEFAULT 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDEFAULT 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* 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

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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* 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

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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* 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 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* 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  | .0000E+00 |    |           |    |           |    |  |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 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 |    |           |    |           |    |  |

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000027 ; SOURCE TYPE = VOLUME :

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

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\*\*\* MODELOPTs: RegDEFAULT 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 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* 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 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

.0000E+00 23 .0000E+00 24 .0000E+00  
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\*\*\* 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* 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 :

HR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR SCALAR SCALAR SCALAR SCALAR SCALAR SCALAR 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* 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 :  
HR SCALAR 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\14581 Oleander and  
Santa Ana\14 \*\*\* 12/02/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* \*\* 09:35:46

\*\*\* 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 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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Santa Ana\14 \*\*\* 12/02/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 09:35:46

\*\*\* 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 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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Santa Ana\14 \*\*\* 12/02/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 09:35:46

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\*\*\* 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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Santa Ana\14 \*\*\* 12/02/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 09:35:46

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\*\*\* 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* 09:35:46

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\*\*\* 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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Santa Ana\14 \*\*\* 12/02/22  
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\*\*\* 09:35:46

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\*\*\* 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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Santa Ana\14 \*\*\* 12/02/22  
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\*\*\* 09:35:46

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\*\*\* MODELOPTs: RegDEFAULT 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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Santa Ana\14 \*\*\* 12/02/22  
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\*\*\* 09:35:46

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\*\*\* MODELOPTs: RegDEFAULT 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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Santa Ana\14 \*\*\* 12/02/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 09:35:46

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\*\*\* 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDEFAULT 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDEFAULT 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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 |

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\*\*\* 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 :

| SCALAR | SCALAR | SCALAR | SCALAR | SCALAR | SCALAR | SCALAR | SCALAR | SCALAR | SCALAR | SCALAR | SCALAR |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 | 6  | .0000E+00 |
| 7  | .1000E+01 | 8  | .1000E+01 | 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 |
| 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .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 |

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\*\*\* 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 :

| SCALAR | SCALAR | SCALAR | SCALAR | SCALAR | SCALAR | SCALAR | SCALAR | SCALAR | SCALAR | SCALAR | SCALAR |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 | 6  | .0000E+00 |
| 7  | .1000E+01 | 8  | .1000E+01 | 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 |
| 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .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 |

.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

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\*\*\* 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 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* 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  | .0000E+00 |    |           |    |           |    |  |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 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 |    |           |    |           |    |  |

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\*\*\* MODELOPTs: RegDEFAULT 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  | .0000E+00 |    |           |    |           |    |  |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 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 |    |           |    |           |    |  |

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\*\*\* 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 :

Hourly emission rate scalars for Weekday, Saturday, and Sunday.

DAY OF WEEK = WEEKDAY

Hourly emission rate scalars for Weekday (Days 1-7).

DAY OF WEEK = SATURDAY

Hourly emission rate scalars for Saturday (Days 1-7).

DAY OF WEEK = SUNDAY

Hourly emission rate scalars for Sunday (Days 1-7).

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\*\*\* 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 :

Hourly emission rate scalars for Weekday, Saturday, and Sunday.

DAY OF WEEK = WEEKDAY

Hourly emission rate scalars for Weekday (Days 1-7).

DAY OF WEEK = SATURDAY

Hourly emission rate scalars for Saturday (Days 1-7).

DAY OF WEEK = SUNDAY

Hourly emission rate scalars for Sunday (Days 1-7).



17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00  
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\*\*\* 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* 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 .0000E+00

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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Santa Ana\14 \*\*\* 12/02/22  
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\*\*\* MODELOPTs: RegDEFAULT 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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Santa Ana\14 \*\*\* 12/02/22  
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\*\*\* 09:35:46

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\*\*\* MODELOPTs: RegDEFAULT 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* 09:35:46

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\*\*\* 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* 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 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000063 ; 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 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000064 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000065 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000066 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000067 ; 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 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000068 ; 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 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*



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

SOURCE ID = L0000069 ; 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 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000070 ; 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 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000071 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000072 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

.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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000073 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

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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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000074 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

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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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000075 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

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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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000076 ; 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 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000077 ; 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 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* AERMET - VERSION 16216 \*\*\*
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000078 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
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 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000079 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
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 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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  
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Santa Ana\14 \*\*\* 12/02/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000080 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000081 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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Santa Ana\14 \*\*\* 12/02/22

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000082 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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Santa Ana\14 \*\*\* 12/02/22

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000083 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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Santa Ana\14 \*\*\* 12/02/22  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000084 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000085 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000086 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000087 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000088 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000089 ; SOURCE TYPE = VOLUME :  
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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000090 ; SOURCE TYPE = VOLUME :  
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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000091 ; 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 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000092 ; 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 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000093 ; 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 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000094 ; 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 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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 \*\*\* 09:35:46

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000095 ; 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 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

.0000E+00 23 .0000E+00 24 .0000E+00  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000096 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000097 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000098 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

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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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000099 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

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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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000100 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

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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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000101 ; SOURCE TYPE = VOLUME :

HR 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* \*\* 09:35:46

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000102 ; SOURCE TYPE = VOLUME :  
HR HOUR SCALAR HR HOUR SCALAR HR HOUR SCALAR HR HOUR SCALAR HR  
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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* \*\* 09:35:46

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000103 ; 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 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000104 ; 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 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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Santa Ana\14 \*\*\* 12/02/22  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000105 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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Santa Ana\14 \*\*\* 12/02/22  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000106 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000107 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000108 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000109 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK

(HRDOW) \*

SOURCE ID = L0000110 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000111 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000112 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000113 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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 |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000114 ; 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  | .0000E+00 | 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 |
| 13 | .1000E+01 | 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 |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000115 ; 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  | .0000E+00 | 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 |
| 13 | .1000E+01 | 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 |

.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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000116 ; 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 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000117 ; 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 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000118 ; 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 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000119 ; SOURCE TYPE = VOLUME :

Hourly emission rate scalars for source L0000119, showing values for Weekday, Saturday, and Sunday.

DAY OF WEEK = WEEKDAY

Hourly emission rate scalars for Weekday (Days 1-7).

DAY OF WEEK = SATURDAY

Hourly emission rate scalars for Saturday (Days 1-7).

DAY OF WEEK = SUNDAY

Hourly emission rate scalars for Sunday (Days 1-7).

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000120 ; SOURCE TYPE = VOLUME :

Hourly emission rate scalars for source L0000120, showing values for Weekday, Saturday, and Sunday.

DAY OF WEEK = WEEKDAY

Hourly emission rate scalars for Weekday (Days 1-7).

DAY OF WEEK = SATURDAY

Hourly emission rate scalars for Saturday (Days 1-7).

DAY OF WEEK = SUNDAY

Hourly emission rate scalars for Sunday (Days 1-7).

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000121 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000122 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000123 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000124 ; 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 .0000E+00

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000125 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

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



SOURCE ID = L0000126 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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Santa Ana\14 \*\*\* 12/02/22  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000127 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000128 ; 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 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* AERMET - VERSION 16216 \*\*\*
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000129 ; 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 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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  
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Santa Ana\14 \*\*\* 12/02/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 09:35:46

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000130 ; SOURCE TYPE = VOLUME :  
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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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Santa Ana\14 \*\*\* 12/02/22  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000131 ; SOURCE TYPE = VOLUME :  
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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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Santa Ana\14 \*\*\* 12/02/22  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000132 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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Santa Ana\14 \*\*\* 12/02/22  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000132 ; 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 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000134 ; 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 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000135 ; 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 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* AERMET - VERSION 16216 \*\*\*

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000136 ; 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 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000137 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000138 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

.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

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Santa Ana\14 \*\*\* 12/02/22  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000139 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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Santa Ana\14 \*\*\* 12/02/22  
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\*\*\* 09:35:46

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000140 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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Santa Ana\14 \*\*\* 12/02/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* \*\* 09:35:46

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000141 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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Santa Ana\14 \*\*\* 12/02/22  
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\*\*\* \*\* 09:35:46

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000142 ; 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 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 09:35:46

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000143 ; 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 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 09:35:46

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000144 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
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 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\* 09:35:46

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000144 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
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 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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  
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Santa Ana\14 \*\*\* 12/02/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 09:35:46

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000146 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000147 ; 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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = L0000148 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

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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 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 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

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Santa Ana\14 \*\*\* 12/02/22

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

( 458077.7, 3768585.6, 318.0, 675.0, 0.0); ( 458076.8, 3768447.5,  
316.4, 675.0, 0.0);  
( 458666.0, 3768633.6, 321.0, 675.0, 0.0); ( 458677.8, 3768633.4,  
321.0, 675.0, 0.0);  
( 458686.0, 3768633.2, 321.1, 675.0, 0.0); ( 458697.7, 3768633.4,  
321.3, 675.0, 0.0);

( 458706.6, 3768633.0, 321.5, 675.0, 0.0); ( 458714.2, 3768632.8, 321.6, 675.0, 0.0);  
( 458724.4, 3768632.8, 321.6, 675.0, 0.0); ( 458733.1, 3768633.0, 321.6, 675.0, 0.0);  
( 458740.8, 3768633.0, 321.6, 675.0, 0.0); ( 458748.2, 3768632.7, 321.5, 675.0, 0.0);  
( 458755.7, 3768633.2, 321.6, 675.0, 0.0); ( 458764.0, 3768633.2, 321.6, 675.0, 0.0);  
( 458772.4, 3768633.0, 321.6, 675.0, 0.0); ( 458619.2, 3768664.4, 321.0, 675.0, 0.0);  
( 458650.0, 3768659.3, 321.4, 675.0, 0.0); ( 458424.3, 3768721.5, 321.0, 675.0, 0.0);  
( 458463.6, 3768726.9, 321.6, 675.0, 0.0); ( 458647.7, 3768727.2, 322.0, 675.0, 0.0);  
( 458951.4, 3768586.9, 322.0, 675.0, 0.0); ( 458904.8, 3768651.1, 322.0, 675.0, 0.0);  
( 458104.5, 3768692.3, 319.0, 675.0, 0.0); ( 458060.5, 3768685.9, 319.0, 675.0, 0.0);  
( 458087.6, 3768753.9, 320.0, 675.0, 0.0); ( 459010.0, 3768580.3, 321.8, 675.0, 0.0);  
( 459010.0, 3768557.3, 321.0, 675.0, 0.0); ( 459009.7, 3768532.6, 321.0, 675.0, 0.0);  
( 459010.5, 3768507.3, 321.0, 675.0, 0.0); ( 459009.2, 3768473.7, 321.0, 675.0, 0.0);  
( 458226.2, 3768405.1, 317.0, 675.0, 0.0); ( 458341.5, 3768404.6, 317.0, 675.0, 0.0);  
( 458549.7, 3768405.1, 318.0, 675.0, 0.0); ( 458608.0, 3768382.1, 318.0, 675.0, 0.0);  
( 458791.0, 3768382.1, 319.0, 675.0, 0.0); ( 458969.9, 3768380.8, 319.7, 675.0, 0.0);  
( 458096.2, 3768381.4, 316.0, 675.0, 0.0); ( 459010.0, 3768621.6, 322.0, 675.0, 0.0);  
( 459010.0, 3768655.9, 322.0, 675.0, 0.0); ( 458829.6, 3768698.1, 322.7, 675.0, 0.0);  
( 458491.1, 3768733.6, 321.9, 675.0, 0.0); ( 458104.0, 3768841.1, 321.0, 675.0, 0.0);  
( 458135.7, 3768854.7, 321.0, 675.0, 0.0); ( 458135.7, 3768930.7, 322.0, 675.0, 0.0);  
( 458102.9, 3768919.0, 322.0, 675.0, 0.0); ( 458108.3, 3768970.8, 322.8, 675.0, 0.0);  
( 458101.5, 3769046.6, 323.3, 675.0, 0.0); ( 458105.8, 3769080.2, 324.0, 675.0, 0.0);  
( 458104.5, 3769125.0, 324.0, 675.0, 0.0); ( 458104.0, 3769186.9, 325.0, 675.0, 0.0);  
( 458082.0, 3769302.2, 326.8, 663.0, 0.0); ( 458154.2, 3769315.8, 327.3, 663.0, 0.0);  
( 458102.6, 3769327.2, 327.5, 327.5, 0.0); ( 458093.9, 3769360.3, 328.4, 328.4, 0.0);  
( 458169.6, 3769469.7, 329.0, 337.0, 0.0); ( 458104.0, 3769416.8, 328.9, 328.9, 0.0);  
( 458099.6, 3769464.6, 329.2, 337.0, 0.0); ( 458602.7, 3768842.0, 323.0, 675.0, 0.0);  
( 458639.1, 3768842.0, 323.0, 675.0, 0.0); ( 458661.6, 3768842.0, 323.2, 675.0, 0.0);  
( 458686.1, 3768841.4, 323.6, 675.0, 0.0); ( 458713.0, 3768842.8, 324.0, 675.0, 0.0);  
( 458736.9, 3768842.5, 324.0, 675.0, 0.0); ( 458760.2, 3768842.5, 324.0, 675.0, 0.0);  
( 458783.3, 3768842.5, 324.0, 675.0, 0.0); ( 458810.5, 3768841.7, 324.0, 675.0, 0.0);  
( 458903.6, 3768834.7, 324.1, 675.0, 0.0); ( 459010.2, 3768679.1, 322.1, 675.0, 0.0);  
( 459011.4, 3768704.6, 322.9, 675.0, 0.0); ( 459010.7, 3768730.9, 323.0, 675.0, 0.0);  
( 459011.0, 3768769.1, 323.1, 675.0, 0.0); ( 459011.5, 3768809.0, 324.0, 675.0, 0.0);







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11 01 01 1 22 -23.7 0.239 -9.000 -9.000 -999. 281. 63.0 0.25 2.82 1.00 2.20
58. 9.1 277.5 5.5
11 01 01 1 23 -18.5 0.194 -9.000 -9.000 -999. 205. 41.2 0.25 2.82 1.00 1.80
64. 9.1 277.5 5.5
11 01 01 1 24 -4.5 0.094 -9.000 -9.000 -999. 74. 16.3 0.25 2.82 1.00 0.90
52. 9.1 277.0 5.5

```

First hour of profile data

```

YR MO DY HR HEIGHT F WDIR WSPD AMB_TMP sigmaA sigmaW sigmaV
11 01 01 01 5.5 0 -999. -99.00 276.5 99.0 -99.00 -99.00
11 01 01 01 9.1 1 69. 1.80 -999.0 99.0 -99.00 -99.00

```

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

```

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14581 Oleander and
Santa Ana\14 *** 12/02/22
*** AERMET - VERSION 16216 ***
*** 09:35:46

```

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
SOURCE GROUP: ALL \*\*\*

```

INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , L0000001 ,
L0000002 , L0000003 , L0000004 , L0000005 , L0000006 ,
L0000007 , L0000008 , L0000009 ,
L0000010 , L0000011 , L0000012 , L0000013 , L0000014 ,
L0000015 , L0000016 , L0000017 ,
L0000018 , L0000019 , L0000020 , L0000021 , L0000022 ,
L0000023 , L0000024 , . . . ,

```

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

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

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD |
|-------------|-------------|---------|-------------|---------|
| 458077.72   | 3768585.64  | 0.00961 | 458076.78   |         |
| 3768447.46  | 0.00918     |         |             |         |
| 458666.04   | 3768633.62  | 0.05298 | 458677.83   |         |
| 3768633.43  | 0.05507     |         |             |         |
| 458685.95   | 3768633.24  | 0.05642 | 458697.74   |         |
| 3768633.43  | 0.05708     |         |             |         |
| 458706.63   | 3768633.04  | 0.05719 | 458714.17   |         |
| 3768632.85  | 0.05653     |         |             |         |
| 458724.42   | 3768632.85  | 0.05468 | 458733.12   |         |
| 3768633.04  | 0.05253     |         |             |         |
| 458740.85   | 3768633.04  | 0.05054 | 458748.20   |         |
| 3768632.66  | 0.04876     |         |             |         |
| 458755.74   | 3768633.24  | 0.04623 | 458764.05   |         |
| 3768633.24  | 0.04383     |         |             |         |
| 458772.37   | 3768633.04  | 0.04154 | 458619.25   |         |
| 3768664.36  | 0.03609     |         |             |         |
| 458649.99   | 3768659.34  | 0.03747 | 458424.30   |         |
| 3768721.54  | 0.01777     |         |             |         |
| 458463.64   | 3768726.89  | 0.01762 | 458647.74   |         |
| 3768727.16  | 0.01901     |         |             |         |
| 458951.42   | 3768586.90  | 0.01163 | 458904.83   |         |
| 3768651.12  | 0.01551     |         |             |         |
| 458104.54   | 3768692.32  | 0.00764 | 458060.49   |         |
| 3768685.89  | 0.00484     |         |             |         |



| GROUP ID<br>ZFLAG) | NETWORK<br>OF TYPE GRID-ID                | AVERAGE CONC | RECEPTOR (XR, YR, ZELEV, ZHILL, |
|--------------------|-------------------------------------------|--------------|---------------------------------|
| ALL<br>675.00,     | 1ST HIGHEST VALUE IS<br>0.00) DC          | 0.05719 AT ( | 458706.63, 3768633.04, 321.50,  |
|                    | 2ND HIGHEST VALUE IS<br>675.00, 0.00) DC  | 0.05708 AT ( | 458697.74, 3768633.43, 321.34,  |
|                    | 3RD HIGHEST VALUE IS<br>675.00, 0.00) DC  | 0.05653 AT ( | 458714.17, 3768632.85, 321.55,  |
|                    | 4TH HIGHEST VALUE IS<br>675.00, 0.00) DC  | 0.05642 AT ( | 458685.95, 3768633.24, 321.12,  |
|                    | 5TH HIGHEST VALUE IS<br>675.00, 0.00) DC  | 0.05507 AT ( | 458677.83, 3768633.43, 321.00,  |
|                    | 6TH HIGHEST VALUE IS<br>675.00, 0.00) DC  | 0.05468 AT ( | 458724.42, 3768632.85, 321.55,  |
|                    | 7TH HIGHEST VALUE IS<br>675.00, 0.00) DC  | 0.05298 AT ( | 458666.04, 3768633.62, 321.00,  |
|                    | 8TH HIGHEST VALUE IS<br>675.00, 0.00) DC  | 0.05253 AT ( | 458733.12, 3768633.04, 321.56,  |
|                    | 9TH HIGHEST VALUE IS<br>675.00, 0.00) DC  | 0.05054 AT ( | 458740.85, 3768633.04, 321.56,  |
|                    | 10TH HIGHEST VALUE IS<br>675.00, 0.00) DC | 0.04876 AT ( | 458748.20, 3768632.66, 321.54,  |

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

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\14581 Oleander and  
 Santa Ana\14 \*\*\* 12/02/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* 09:35:46

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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 7 Warning Message(s)  
 A Total of 838 Informational Message(s)  
 A Total of 43848 Hours Were Processed  
 A Total of 40 Calm Hours Identified  
 A Total of 798 Missing Hours Identified ( 1.82 Percent)

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

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*  
 ME W186 2230 MEOpen: THRESH\_1MIN 1-min ASOS wind speed threshold used 0.50  
 ME W187 2230 MEOpen: ADJ\_U\* Option for Stable Low Winds used in AERMET  
 MX W438 8800 METQA: Convective Velocity Data Out-of-Range. KURDAT = 12010216  
 MX W438 11536 METQA: Convective Velocity Data Out-of-Range. KURDAT = 12042516  
 MX W420 16779 METQA: Wind Speed Out-of-Range. KURDAT = 12113003  
 MX W450 26305 CHKDAT: Record Out of Sequence in Meteorological File at: 15010101

MX W450 26305

CHKDAT: Record Out of Sequence in Meteorological File at:

1 year gap

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

\*\*  
\*\*\*\*\*  
\*\*  
\*\* AERMOD Input Produced by:  
\*\* AERMOD View Ver. 11.2.0  
\*\* Lakes Environmental Software Inc.  
\*\* Date: 12/2/2022  
\*\* File: C:\Users\Michael Tirohn\Desktop\HRAs\14581 Oleander and Santa Ana\14581 Ops\14581  
Ops.ADI

\*\*  
\*\*\*\*\*  
\*\*  
\*\*  
\*\*\*\*\*  
\*\* AERMOD Control Pathway  
\*\*\*\*\*  
\*\*  
\*\*

CO STARTING  
TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14581 Oleander and Santa Ana\14  
MODELOPT DFAULT CONC  
AVERTIME ANNUAL  
URBANOPT 2035210 San\_Bernardino\_County  
POLLUTID DPM  
RUNORNOT RUN  
ERRORFIL "14581 Ops.err"

CO FINISHED  
\*\*  
\*\*\*\*\*  
\*\* AERMOD Source Pathway  
\*\*\*\*\*  
\*\*  
\*\*

SO STARTING  
\*\* Source Location \*\*  
\*\* Source ID - Type - X Coord. - Y Coord. \*\*

-----  
\*\* Line Source Represented by Adjacent Volume Sources  
\*\* LINE VOLUME Source ID = SLINE1  
\*\* DESCRSRC Bldg 1 Idle  
\*\* PREFIX  
\*\* Length of Side = 8.59  
\*\* Configuration = Adjacent  
\*\* Emission Rate = 0.0000106  
\*\* Vertical Dimension = 6.99  
\*\* SZINIT = 3.25  
\*\* Nodes = 2  
\*\* 458228.544, 3768577.371, 318.86, 3.49, 4.00  
\*\* 458228.774, 3768485.080, 318.00, 3.49, 4.00

-----

|          |          |        |            |             |        |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0000298 | VOLUME | 458228.554 | 3768573.076 | 318.56 |
| LOCATION | L0000299 | VOLUME | 458228.576 | 3768564.486 | 318.27 |
| LOCATION | L0000300 | VOLUME | 458228.597 | 3768555.897 | 318.00 |
| LOCATION | L0000301 | VOLUME | 458228.619 | 3768547.307 | 318.00 |
| LOCATION | L0000302 | VOLUME | 458228.640 | 3768538.717 | 318.00 |
| LOCATION | L0000303 | VOLUME | 458228.662 | 3768530.127 | 318.00 |
| LOCATION | L0000304 | VOLUME | 458228.683 | 3768521.537 | 318.00 |
| LOCATION | L0000305 | VOLUME | 458228.705 | 3768512.947 | 318.00 |
| LOCATION | L0000306 | VOLUME | 458228.726 | 3768504.357 | 318.00 |
| LOCATION | L0000307 | VOLUME | 458228.748 | 3768495.767 | 318.00 |
| LOCATION | L0000308 | VOLUME | 458228.769 | 3768487.177 | 317.99 |

\*\* End of LINE VOLUME Source ID = SLINE1  
\*\*  
-----  
\*\* Line Source Represented by Adjacent Volume Sources  
\*\* LINE VOLUME Source ID = SLINE2  
\*\* DESCRSRC Bldg 2 Idle

\*\* PREFIX  
\*\* Length of Side = 8.59  
\*\* Configuration = Adjacent  
\*\* Emission Rate = 0.00001331  
\*\* Vertical Dimension = 6.99  
\*\* SZINIT = 3.25  
\*\* Nodes = 2  
\*\* 458436.429, 3768614.749, 319.99, 3.49, 4.00  
\*\* 458436.429, 3768480.927, 318.00, 3.49, 4.00

-----  
LOCATION L0000309      VOLUME    458436.429 3768610.454 319.80  
LOCATION L0000310      VOLUME    458436.429 3768601.864 319.52  
LOCATION L0000311      VOLUME    458436.429 3768593.274 319.23  
LOCATION L0000312      VOLUME    458436.429 3768584.684 319.00  
LOCATION L0000313      VOLUME    458436.429 3768576.094 319.00  
LOCATION L0000314      VOLUME    458436.429 3768567.504 319.00  
LOCATION L0000315      VOLUME    458436.429 3768558.914 319.00  
LOCATION L0000316      VOLUME    458436.429 3768550.324 318.98  
LOCATION L0000317      VOLUME    458436.429 3768541.734 318.95  
LOCATION L0000318      VOLUME    458436.429 3768533.144 318.92  
LOCATION L0000319      VOLUME    458436.429 3768524.554 318.84  
LOCATION L0000320      VOLUME    458436.429 3768515.964 318.59  
LOCATION L0000321      VOLUME    458436.429 3768507.374 318.33  
LOCATION L0000322      VOLUME    458436.429 3768498.784 318.07  
LOCATION L0000323      VOLUME    458436.429 3768490.194 317.98  
LOCATION L0000324      VOLUME    458436.429 3768481.604 317.95

\*\* End of LINE VOLUME Source ID = SLINE2

-----  
\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE3

\*\* DESCRSRC Bldg 3 Idle

\*\* PREFIX

\*\* Length of Side = 8.59  
\*\* Configuration = Adjacent  
\*\* Emission Rate = 0.00001309  
\*\* Vertical Dimension = 6.99  
\*\* SZINIT = 3.25  
\*\* Nodes = 2

\*\* 458741.682, 3768615.211, 321.00, 3.49, 4.00  
\*\* 458742.374, 3768480.927, 320.00, 3.49, 4.00

-----  
LOCATION L0000325      VOLUME    458741.704 3768610.916 321.00  
LOCATION L0000326      VOLUME    458741.749 3768602.326 321.00  
LOCATION L0000327      VOLUME    458741.793 3768593.736 321.00  
LOCATION L0000328      VOLUME    458741.837 3768585.146 321.00  
LOCATION L0000329      VOLUME    458741.881 3768576.556 321.00  
LOCATION L0000330      VOLUME    458741.926 3768567.966 321.00  
LOCATION L0000331      VOLUME    458741.970 3768559.377 321.00  
LOCATION L0000332      VOLUME    458742.014 3768550.787 320.81  
LOCATION L0000333      VOLUME    458742.059 3768542.197 320.53  
LOCATION L0000334      VOLUME    458742.103 3768533.607 320.24  
LOCATION L0000335      VOLUME    458742.147 3768525.017 320.00  
LOCATION L0000336      VOLUME    458742.191 3768516.427 320.00  
LOCATION L0000337      VOLUME    458742.236 3768507.837 320.00  
LOCATION L0000338      VOLUME    458742.280 3768499.247 320.00  
LOCATION L0000339      VOLUME    458742.324 3768490.657 320.00  
LOCATION L0000340      VOLUME    458742.368 3768482.068 320.00

\*\* End of LINE VOLUME Source ID = SLINE3

-----  
\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE4

\*\* DESCRSRC Bldg 1 Onsite

\*\* PREFIX

\*\* Length of Side = 8.59  
\*\* Configuration = Adjacent  
\*\* Emission Rate = 3.298E-06

\*\* Vertical Dimension = 6.99  
\*\* SZINIT = 3.25  
\*\* Nodes = 8  
\*\* 458248.617, 3768484.619, 318.00, 3.49, 4.00  
\*\* 458248.386, 3768614.749, 319.00, 3.49, 4.00  
\*\* 458244.002, 3768621.671, 319.00, 3.49, 4.00  
\*\* 458163.248, 3768621.671, 319.00, 3.49, 4.00  
\*\* 458153.788, 3768620.287, 318.92, 3.49, 4.00  
\*\* 458145.943, 3768615.442, 318.96, 3.49, 4.00  
\*\* 458136.022, 3768614.749, 318.98, 3.49, 4.00  
\*\* 458129.792, 3768614.519, 318.91, 3.49, 4.00

-----  
\*\* LOCATION L0000341 VOLUME 458248.609 3768488.914 318.00  
LOCATION L0000342 VOLUME 458248.594 3768497.504 318.00  
LOCATION L0000343 VOLUME 458248.579 3768506.094 318.00  
LOCATION L0000344 VOLUME 458248.564 3768514.684 318.00  
LOCATION L0000345 VOLUME 458248.548 3768523.274 318.00  
LOCATION L0000346 VOLUME 458248.533 3768531.864 318.12  
LOCATION L0000347 VOLUME 458248.518 3768540.454 318.30  
LOCATION L0000348 VOLUME 458248.503 3768549.044 318.48  
LOCATION L0000349 VOLUME 458248.488 3768557.634 318.65  
LOCATION L0000350 VOLUME 458248.472 3768566.224 318.75  
LOCATION L0000351 VOLUME 458248.457 3768574.814 318.86  
LOCATION L0000352 VOLUME 458248.442 3768583.404 318.96  
LOCATION L0000353 VOLUME 458248.427 3768591.994 319.00  
LOCATION L0000354 VOLUME 458248.411 3768600.584 319.00  
LOCATION L0000355 VOLUME 458248.396 3768609.174 319.00  
LOCATION L0000356 VOLUME 458246.773 3768617.296 319.02  
LOCATION L0000357 VOLUME 458240.591 3768621.671 319.07  
LOCATION L0000358 VOLUME 458232.001 3768621.671 319.01  
LOCATION L0000359 VOLUME 458223.411 3768621.671 319.00  
LOCATION L0000360 VOLUME 458214.821 3768621.671 319.00  
LOCATION L0000361 VOLUME 458206.231 3768621.671 319.00  
LOCATION L0000362 VOLUME 458197.641 3768621.671 319.00  
LOCATION L0000363 VOLUME 458189.051 3768621.671 319.00  
LOCATION L0000364 VOLUME 458180.461 3768621.671 319.00  
LOCATION L0000365 VOLUME 458171.871 3768621.671 319.00  
LOCATION L0000366 VOLUME 458163.281 3768621.671 319.00  
LOCATION L0000367 VOLUME 458154.782 3768620.432 319.00  
LOCATION L0000368 VOLUME 458147.334 3768616.301 319.00  
LOCATION L0000369 VOLUME 458139.005 3768614.957 318.95  
LOCATION L0000370 VOLUME 458130.426 3768614.542 318.94

\*\* End of LINE VOLUME Source ID = SLINE4

-----  
\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE5

\*\* DESCRSRC Bldg 2 Onsite

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 4.859E-06

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 9

\*\* 458418.202, 3768480.004, 317.56, 3.49, 4.00  
\*\* 458417.510, 3768607.827, 319.84, 3.49, 4.00  
\*\* 458420.278, 3768616.364, 319.92, 3.49, 4.00  
\*\* 458428.585, 3768622.363, 319.94, 3.49, 4.00  
\*\* 458444.274, 3768622.594, 319.96, 3.49, 4.00  
\*\* 458551.793, 3768620.518, 320.04, 3.49, 4.00  
\*\* 458560.330, 3768616.364, 320.00, 3.49, 4.00  
\*\* 458565.406, 3768615.211, 320.05, 3.49, 4.00  
\*\* 458578.558, 3768615.442, 320.67, 3.49, 4.00

-----  
\*\* LOCATION L0000371 VOLUME 458418.179 3768484.299 317.71  
LOCATION L0000372 VOLUME 458418.132 3768492.889 317.92

| LOCATION          | VOLUME |            |             |        |  |
|-------------------|--------|------------|-------------|--------|--|
| LOCATION L0000373 | VOLUME | 458418.086 | 3768501.479 | 318.05 |  |
| LOCATION L0000374 | VOLUME | 458418.039 | 3768510.069 | 318.13 |  |
| LOCATION L0000375 | VOLUME | 458417.993 | 3768518.659 | 318.21 |  |
| LOCATION L0000376 | VOLUME | 458417.946 | 3768527.249 | 318.30 |  |
| LOCATION L0000377 | VOLUME | 458417.900 | 3768535.839 | 318.51 |  |
| LOCATION L0000378 | VOLUME | 458417.853 | 3768544.428 | 318.71 |  |
| LOCATION L0000379 | VOLUME | 458417.806 | 3768553.018 | 318.92 |  |
| LOCATION L0000380 | VOLUME | 458417.760 | 3768561.608 | 319.00 |  |
| LOCATION L0000381 | VOLUME | 458417.713 | 3768570.198 | 319.00 |  |
| LOCATION L0000382 | VOLUME | 458417.667 | 3768578.788 | 319.00 |  |
| LOCATION L0000383 | VOLUME | 458417.620 | 3768587.378 | 319.03 |  |
| LOCATION L0000384 | VOLUME | 458417.574 | 3768595.968 | 319.32 |  |
| LOCATION L0000385 | VOLUME | 458417.527 | 3768604.557 | 319.61 |  |
| LOCATION L0000386 | VOLUME | 458419.151 | 3768612.888 | 319.88 |  |
| LOCATION L0000387 | VOLUME | 458424.279 | 3768619.254 | 320.00 |  |
| LOCATION L0000388 | VOLUME | 458431.864 | 3768622.412 | 320.00 |  |
| LOCATION L0000389 | VOLUME | 458440.453 | 3768622.538 | 320.00 |  |
| LOCATION L0000390 | VOLUME | 458449.041 | 3768622.502 | 320.00 |  |
| LOCATION L0000391 | VOLUME | 458457.630 | 3768622.336 | 320.00 |  |
| LOCATION L0000392 | VOLUME | 458466.218 | 3768622.170 | 320.00 |  |
| LOCATION L0000393 | VOLUME | 458474.807 | 3768622.004 | 320.03 |  |
| LOCATION L0000394 | VOLUME | 458483.395 | 3768621.839 | 320.08 |  |
| LOCATION L0000395 | VOLUME | 458491.983 | 3768621.673 | 320.13 |  |
| LOCATION L0000396 | VOLUME | 458500.572 | 3768621.507 | 320.17 |  |
| LOCATION L0000397 | VOLUME | 458509.160 | 3768621.341 | 320.17 |  |
| LOCATION L0000398 | VOLUME | 458517.749 | 3768621.175 | 320.16 |  |
| LOCATION L0000399 | VOLUME | 458526.337 | 3768621.009 | 320.16 |  |
| LOCATION L0000400 | VOLUME | 458534.925 | 3768620.843 | 320.15 |  |
| LOCATION L0000401 | VOLUME | 458543.514 | 3768620.677 | 320.14 |  |
| LOCATION L0000402 | VOLUME | 458552.071 | 3768620.382 | 320.13 |  |
| LOCATION L0000403 | VOLUME | 458559.795 | 3768616.625 | 320.02 |  |
| LOCATION L0000404 | VOLUME | 458568.196 | 3768615.260 | 320.28 |  |
| LOCATION L0000405 | VOLUME | 458576.784 | 3768615.410 | 320.56 |  |

\*\* End of LINE VOLUME Source ID = SLINE5

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE6

\*\* DESCRSRC Bldg 3 Onsite

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 4.721E-06

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 8

\*\* 458761.063, 3768480.927, 320.00, 3.49, 4.00

\*\* 458760.833, 3768610.596, 321.05, 3.49, 4.00

\*\* 458757.833, 3768617.749, 321.00, 3.49, 4.00

\*\* 458750.219, 3768622.133, 321.00, 3.49, 4.00

\*\* 458634.855, 3768621.902, 320.93, 3.49, 4.00

\*\* 458625.626, 3768619.825, 320.96, 3.49, 4.00

\*\* 458618.704, 3768615.672, 321.00, 3.49, 4.00

\*\* 458603.246, 3768615.672, 320.86, 3.49, 4.00

\*\*

|                   |        |            |             |        |  |
|-------------------|--------|------------|-------------|--------|--|
| LOCATION L0000406 | VOLUME | 458761.056 | 3768485.222 | 320.00 |  |
| LOCATION L0000407 | VOLUME | 458761.040 | 3768493.812 | 320.00 |  |
| LOCATION L0000408 | VOLUME | 458761.025 | 3768502.402 | 320.00 |  |
| LOCATION L0000409 | VOLUME | 458761.010 | 3768510.992 | 320.00 |  |
| LOCATION L0000410 | VOLUME | 458760.995 | 3768519.582 | 320.00 |  |
| LOCATION L0000411 | VOLUME | 458760.979 | 3768528.172 | 320.06 |  |
| LOCATION L0000412 | VOLUME | 458760.964 | 3768536.762 | 320.35 |  |
| LOCATION L0000413 | VOLUME | 458760.949 | 3768545.352 | 320.63 |  |
| LOCATION L0000414 | VOLUME | 458760.933 | 3768553.942 | 320.92 |  |
| LOCATION L0000415 | VOLUME | 458760.918 | 3768562.532 | 321.00 |  |
| LOCATION L0000416 | VOLUME | 458760.903 | 3768571.122 | 321.00 |  |
| LOCATION L0000417 | VOLUME | 458760.888 | 3768579.712 | 321.00 |  |



| LOCATION | VOLUME     |             |        |  |
|----------|------------|-------------|--------|--|
| L0000418 | 458760.872 | 3768588.302 | 321.00 |  |
| L0000419 | 458760.857 | 3768596.892 | 321.00 |  |
| L0000420 | 458760.842 | 3768605.482 | 321.00 |  |
| L0000421 | 458759.488 | 3768613.802 | 321.00 |  |
| L0000422 | 458754.098 | 3768619.899 | 321.12 |  |
| L0000423 | 458746.105 | 3768622.124 | 321.19 |  |
| L0000424 | 458737.515 | 3768622.107 | 321.19 |  |
| L0000425 | 458728.925 | 3768622.090 | 321.19 |  |
| L0000426 | 458720.335 | 3768622.073 | 321.19 |  |
| L0000427 | 458711.745 | 3768622.056 | 321.19 |  |
| L0000428 | 458703.155 | 3768622.038 | 321.15 |  |
| L0000429 | 458694.565 | 3768622.021 | 321.09 |  |
| L0000430 | 458685.975 | 3768622.004 | 321.04 |  |
| L0000431 | 458677.385 | 3768621.987 | 321.00 |  |
| L0000432 | 458668.795 | 3768621.970 | 321.00 |  |
| L0000433 | 458660.205 | 3768621.953 | 321.00 |  |
| L0000434 | 458651.615 | 3768621.935 | 321.00 |  |
| L0000435 | 458643.025 | 3768621.918 | 321.00 |  |
| L0000436 | 458634.446 | 3768621.810 | 321.00 |  |
| L0000437 | 458626.065 | 3768619.924 | 321.00 |  |
| L0000438 | 458618.636 | 3768615.672 | 320.98 |  |
| L0000439 | 458610.046 | 3768615.672 | 320.98 |  |

\*\* End of LINE VOLUME Source ID = SLINE6

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE9

\*\* DESCRSRC Citrus 100%

\*\* PREFIX

\*\* Length of Side = 14.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00002324

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 6

\*\* 458119.156, 3768613.596, 318.87, 3.49, 6.51

\*\* 458127.575, 3769305.807, 326.65, 3.49, 6.51

\*\* 458128.661, 3769370.981, 328.90, 3.49, 6.51

\*\* 458135.450, 3769461.411, 329.88, 3.49, 6.51

\*\* 458136.808, 3769640.371, 334.92, 3.49, 6.51

\*\* 458141.424, 3769826.390, 332.26, 3.49, 6.51

\*\*

| LOCATION | VOLUME     |             |        |  |
|----------|------------|-------------|--------|--|
| L0000508 | 458119.242 | 3768620.595 | 319.00 |  |
| L0000509 | 458119.412 | 3768634.594 | 319.00 |  |
| L0000510 | 458119.582 | 3768648.593 | 319.00 |  |
| L0000511 | 458119.752 | 3768662.592 | 319.00 |  |
| L0000512 | 458119.923 | 3768676.591 | 319.00 |  |
| L0000513 | 458120.093 | 3768690.590 | 319.17 |  |
| L0000514 | 458120.263 | 3768704.589 | 319.34 |  |
| L0000515 | 458120.433 | 3768718.588 | 319.62 |  |
| L0000516 | 458120.604 | 3768732.587 | 319.92 |  |
| L0000517 | 458120.774 | 3768746.586 | 320.00 |  |
| L0000518 | 458120.944 | 3768760.585 | 320.00 |  |
| L0000519 | 458121.114 | 3768774.584 | 320.27 |  |
| L0000520 | 458121.285 | 3768788.583 | 320.74 |  |
| L0000521 | 458121.455 | 3768802.582 | 321.00 |  |
| L0000522 | 458121.625 | 3768816.581 | 321.00 |  |
| L0000523 | 458121.795 | 3768830.580 | 321.00 |  |
| L0000524 | 458121.966 | 3768844.579 | 321.00 |  |
| L0000525 | 458122.136 | 3768858.578 | 321.07 |  |
| L0000526 | 458122.306 | 3768872.577 | 321.54 |  |
| L0000527 | 458122.476 | 3768886.576 | 322.00 |  |
| L0000528 | 458122.647 | 3768900.575 | 322.00 |  |
| L0000529 | 458122.817 | 3768914.573 | 322.00 |  |
| L0000530 | 458122.987 | 3768928.572 | 322.00 |  |
| L0000531 | 458123.157 | 3768942.571 | 322.00 |  |
| L0000532 | 458123.328 | 3768956.570 | 322.34 |  |

|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0000533 | VOLUME | 458123.498 | 3768970.569 | 322.81 |
| LOCATION L0000534 | VOLUME | 458123.668 | 3768984.568 | 323.00 |
| LOCATION L0000535 | VOLUME | 458123.838 | 3768998.567 | 323.00 |
| LOCATION L0000536 | VOLUME | 458124.009 | 3769012.566 | 323.10 |
| LOCATION L0000537 | VOLUME | 458124.179 | 3769026.565 | 323.33 |
| LOCATION L0000538 | VOLUME | 458124.349 | 3769040.564 | 323.56 |
| LOCATION L0000539 | VOLUME | 458124.519 | 3769054.563 | 323.80 |
| LOCATION L0000540 | VOLUME | 458124.690 | 3769068.562 | 324.00 |
| LOCATION L0000541 | VOLUME | 458124.860 | 3769082.561 | 324.00 |
| LOCATION L0000542 | VOLUME | 458125.030 | 3769096.560 | 324.00 |
| LOCATION L0000543 | VOLUME | 458125.200 | 3769110.559 | 324.25 |
| LOCATION L0000544 | VOLUME | 458125.371 | 3769124.558 | 324.49 |
| LOCATION L0000545 | VOLUME | 458125.541 | 3769138.557 | 324.72 |
| LOCATION L0000546 | VOLUME | 458125.711 | 3769152.556 | 324.94 |
| LOCATION L0000547 | VOLUME | 458125.881 | 3769166.555 | 325.00 |
| LOCATION L0000548 | VOLUME | 458126.052 | 3769180.554 | 325.00 |
| LOCATION L0000549 | VOLUME | 458126.222 | 3769194.553 | 325.15 |
| LOCATION L0000550 | VOLUME | 458126.392 | 3769208.552 | 325.41 |
| LOCATION L0000551 | VOLUME | 458126.562 | 3769222.551 | 325.66 |
| LOCATION L0000552 | VOLUME | 458126.733 | 3769236.550 | 325.86 |
| LOCATION L0000553 | VOLUME | 458126.903 | 3769250.549 | 326.08 |
| LOCATION L0000554 | VOLUME | 458127.073 | 3769264.548 | 326.35 |
| LOCATION L0000555 | VOLUME | 458127.243 | 3769278.547 | 326.59 |
| LOCATION L0000556 | VOLUME | 458127.414 | 3769292.546 | 326.59 |
| LOCATION L0000557 | VOLUME | 458127.587 | 3769306.544 | 326.61 |
| LOCATION L0000558 | VOLUME | 458127.820 | 3769320.543 | 327.27 |
| LOCATION L0000559 | VOLUME | 458128.054 | 3769334.541 | 327.92 |
| LOCATION L0000560 | VOLUME | 458128.287 | 3769348.539 | 328.41 |
| LOCATION L0000561 | VOLUME | 458128.520 | 3769362.537 | 328.87 |
| LOCATION L0000562 | VOLUME | 458129.077 | 3769376.520 | 329.00 |
| LOCATION L0000563 | VOLUME | 458130.125 | 3769390.481 | 329.00 |
| LOCATION L0000564 | VOLUME | 458131.173 | 3769404.441 | 329.00 |
| LOCATION L0000565 | VOLUME | 458132.221 | 3769418.402 | 329.00 |
| LOCATION L0000566 | VOLUME | 458133.269 | 3769432.363 | 329.16 |
| LOCATION L0000567 | VOLUME | 458134.317 | 3769446.323 | 329.55 |
| LOCATION L0000568 | VOLUME | 458135.365 | 3769460.284 | 330.33 |
| LOCATION L0000569 | VOLUME | 458135.548 | 3769474.281 | 332.02 |
| LOCATION L0000570 | VOLUME | 458135.654 | 3769488.280 | 333.65 |
| LOCATION L0000571 | VOLUME | 458135.760 | 3769502.280 | 334.95 |
| LOCATION L0000572 | VOLUME | 458135.866 | 3769516.279 | 336.25 |
| LOCATION L0000573 | VOLUME | 458135.973 | 3769530.279 | 335.52 |
| LOCATION L0000574 | VOLUME | 458136.079 | 3769544.279 | 334.76 |
| LOCATION L0000575 | VOLUME | 458136.185 | 3769558.278 | 334.71 |
| LOCATION L0000576 | VOLUME | 458136.291 | 3769572.278 | 334.77 |
| LOCATION L0000577 | VOLUME | 458136.397 | 3769586.277 | 334.86 |
| LOCATION L0000578 | VOLUME | 458136.504 | 3769600.277 | 334.96 |
| LOCATION L0000579 | VOLUME | 458136.610 | 3769614.277 | 334.95 |
| LOCATION L0000580 | VOLUME | 458136.716 | 3769628.276 | 334.86 |
| LOCATION L0000581 | VOLUME | 458136.855 | 3769642.275 | 333.67 |
| LOCATION L0000582 | VOLUME | 458137.202 | 3769656.271 | 330.96 |
| LOCATION L0000583 | VOLUME | 458137.550 | 3769670.267 | 329.78 |
| LOCATION L0000584 | VOLUME | 458137.897 | 3769684.262 | 332.58 |
| LOCATION L0000585 | VOLUME | 458138.245 | 3769698.258 | 335.00 |
| LOCATION L0000586 | VOLUME | 458138.592 | 3769712.254 | 335.00 |
| LOCATION L0000587 | VOLUME | 458138.939 | 3769726.249 | 335.00 |
| LOCATION L0000588 | VOLUME | 458139.287 | 3769740.245 | 334.99 |
| LOCATION L0000589 | VOLUME | 458139.634 | 3769754.241 | 335.00 |
| LOCATION L0000590 | VOLUME | 458139.981 | 3769768.237 | 334.22 |
| LOCATION L0000591 | VOLUME | 458140.329 | 3769782.232 | 333.32 |
| LOCATION L0000592 | VOLUME | 458140.676 | 3769796.228 | 332.76 |
| LOCATION L0000593 | VOLUME | 458141.023 | 3769810.224 | 332.34 |
| LOCATION L0000594 | VOLUME | 458141.371 | 3769824.219 | 332.16 |

\*\* End of LINE VOLUME Source ID = SLINE9

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE10

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** DESCRSRC Oleander 72%
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.00001393
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 4
** 458589.971, 3768616.176, 321.00, 3.49, 4.00
** 458590.232, 3768159.079, 316.00, 3.49, 4.00
** 458588.446, 3767740.837, 312.00, 3.49, 4.00
** 458589.167, 3767596.987, 311.00, 3.49, 4.00

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LOCATION L0000821    VOLUME  458589.974 3768611.881 320.85
LOCATION L0000822    VOLUME  458589.979 3768603.291 320.56
LOCATION L0000823    VOLUME  458589.984 3768594.701 320.28
LOCATION L0000824    VOLUME  458589.988 3768586.111 320.00
LOCATION L0000825    VOLUME  458589.993 3768577.521 320.00
LOCATION L0000826    VOLUME  458589.998 3768568.931 320.00
LOCATION L0000827    VOLUME  458590.003 3768560.341 320.00
LOCATION L0000828    VOLUME  458590.008 3768551.751 319.85
LOCATION L0000829    VOLUME  458590.013 3768543.161 319.57
LOCATION L0000830    VOLUME  458590.018 3768534.571 319.28
LOCATION L0000831    VOLUME  458590.023 3768525.981 319.01
LOCATION L0000832    VOLUME  458590.028 3768517.391 319.01
LOCATION L0000833    VOLUME  458590.033 3768508.801 319.01
LOCATION L0000834    VOLUME  458590.037 3768500.211 319.00
LOCATION L0000835    VOLUME  458590.042 3768491.621 319.00
LOCATION L0000836    VOLUME  458590.047 3768483.031 319.00
LOCATION L0000837    VOLUME  458590.052 3768474.441 319.00
LOCATION L0000838    VOLUME  458590.057 3768465.851 318.98
LOCATION L0000839    VOLUME  458590.062 3768457.261 318.70
LOCATION L0000840    VOLUME  458590.067 3768448.671 318.42
LOCATION L0000841    VOLUME  458590.072 3768440.081 318.14
LOCATION L0000842    VOLUME  458590.077 3768431.491 318.01
LOCATION L0000843    VOLUME  458590.082 3768422.901 318.01
LOCATION L0000844    VOLUME  458590.086 3768414.311 318.00
LOCATION L0000845    VOLUME  458590.091 3768405.721 318.00
LOCATION L0000846    VOLUME  458590.096 3768397.131 318.00
LOCATION L0000847    VOLUME  458590.101 3768388.541 318.00
LOCATION L0000848    VOLUME  458590.106 3768379.951 318.00
LOCATION L0000849    VOLUME  458590.111 3768371.361 318.00
LOCATION L0000850    VOLUME  458590.116 3768362.771 318.00
LOCATION L0000851    VOLUME  458590.121 3768354.181 318.00
LOCATION L0000852    VOLUME  458590.126 3768345.591 317.97
LOCATION L0000853    VOLUME  458590.131 3768337.001 317.69
LOCATION L0000854    VOLUME  458590.135 3768328.411 317.40
LOCATION L0000855    VOLUME  458590.140 3768319.821 317.12
LOCATION L0000856    VOLUME  458590.145 3768311.231 317.00
LOCATION L0000857    VOLUME  458590.150 3768302.641 317.00
LOCATION L0000858    VOLUME  458590.155 3768294.051 317.00
LOCATION L0000859    VOLUME  458590.160 3768285.461 317.00
LOCATION L0000860    VOLUME  458590.165 3768276.871 317.00
LOCATION L0000861    VOLUME  458590.170 3768268.281 317.00
LOCATION L0000862    VOLUME  458590.175 3768259.691 317.00
LOCATION L0000863    VOLUME  458590.179 3768251.101 316.83
LOCATION L0000864    VOLUME  458590.184 3768242.511 316.55
LOCATION L0000865    VOLUME  458590.189 3768233.921 316.27
LOCATION L0000866    VOLUME  458590.194 3768225.331 316.02
LOCATION L0000867    VOLUME  458590.199 3768216.741 316.01
LOCATION L0000868    VOLUME  458590.204 3768208.151 316.01
LOCATION L0000869    VOLUME  458590.209 3768199.561 316.00
LOCATION L0000870    VOLUME  458590.214 3768190.971 316.00
LOCATION L0000871    VOLUME  458590.219 3768182.381 316.00
LOCATION L0000872    VOLUME  458590.224 3768173.791 316.00
LOCATION L0000873    VOLUME  458590.228 3768165.201 316.00

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|          |          |        |            |             |        |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0000874 | VOLUME | 458590.221 | 3768156.611 | 316.00 |
| LOCATION | L0000875 | VOLUME | 458590.185 | 3768148.021 | 316.00 |
| LOCATION | L0000876 | VOLUME | 458590.148 | 3768139.432 | 316.00 |
| LOCATION | L0000877 | VOLUME | 458590.111 | 3768130.842 | 315.82 |
| LOCATION | L0000878 | VOLUME | 458590.075 | 3768122.252 | 315.53 |
| LOCATION | L0000879 | VOLUME | 458590.038 | 3768113.662 | 315.24 |
| LOCATION | L0000880 | VOLUME | 458590.001 | 3768105.072 | 315.00 |
| LOCATION | L0000881 | VOLUME | 458589.965 | 3768096.482 | 315.00 |
| LOCATION | L0000882 | VOLUME | 458589.928 | 3768087.892 | 315.00 |
| LOCATION | L0000883 | VOLUME | 458589.891 | 3768079.302 | 315.00 |
| LOCATION | L0000884 | VOLUME | 458589.855 | 3768070.712 | 315.00 |
| LOCATION | L0000885 | VOLUME | 458589.818 | 3768062.122 | 315.00 |
| LOCATION | L0000886 | VOLUME | 458589.781 | 3768053.532 | 315.00 |
| LOCATION | L0000887 | VOLUME | 458589.745 | 3768044.942 | 314.95 |
| LOCATION | L0000888 | VOLUME | 458589.708 | 3768036.353 | 314.67 |
| LOCATION | L0000889 | VOLUME | 458589.671 | 3768027.763 | 314.38 |
| LOCATION | L0000890 | VOLUME | 458589.635 | 3768019.173 | 314.10 |
| LOCATION | L0000891 | VOLUME | 458589.598 | 3768010.583 | 314.00 |
| LOCATION | L0000892 | VOLUME | 458589.561 | 3768001.993 | 314.00 |
| LOCATION | L0000893 | VOLUME | 458589.525 | 3767993.403 | 314.00 |
| LOCATION | L0000894 | VOLUME | 458589.488 | 3767984.813 | 314.00 |
| LOCATION | L0000895 | VOLUME | 458589.451 | 3767976.223 | 314.00 |
| LOCATION | L0000896 | VOLUME | 458589.415 | 3767967.633 | 314.00 |
| LOCATION | L0000897 | VOLUME | 458589.378 | 3767959.043 | 314.00 |
| LOCATION | L0000898 | VOLUME | 458589.341 | 3767950.453 | 314.00 |
| LOCATION | L0000899 | VOLUME | 458589.304 | 3767941.863 | 314.00 |
| LOCATION | L0000900 | VOLUME | 458589.268 | 3767933.273 | 313.99 |
| LOCATION | L0000901 | VOLUME | 458589.231 | 3767924.684 | 313.93 |
| LOCATION | L0000902 | VOLUME | 458589.194 | 3767916.094 | 313.65 |
| LOCATION | L0000903 | VOLUME | 458589.158 | 3767907.504 | 313.37 |
| LOCATION | L0000904 | VOLUME | 458589.121 | 3767898.914 | 313.08 |
| LOCATION | L0000905 | VOLUME | 458589.084 | 3767890.324 | 313.00 |
| LOCATION | L0000906 | VOLUME | 458589.048 | 3767881.734 | 313.00 |
| LOCATION | L0000907 | VOLUME | 458589.011 | 3767873.144 | 313.00 |
| LOCATION | L0000908 | VOLUME | 458588.974 | 3767864.554 | 313.00 |
| LOCATION | L0000909 | VOLUME | 458588.938 | 3767855.964 | 313.00 |
| LOCATION | L0000910 | VOLUME | 458588.901 | 3767847.374 | 313.00 |
| LOCATION | L0000911 | VOLUME | 458588.864 | 3767838.784 | 313.00 |
| LOCATION | L0000912 | VOLUME | 458588.828 | 3767830.194 | 312.99 |
| LOCATION | L0000913 | VOLUME | 458588.791 | 3767821.604 | 312.99 |
| LOCATION | L0000914 | VOLUME | 458588.754 | 3767813.015 | 312.98 |
| LOCATION | L0000915 | VOLUME | 458588.718 | 3767804.425 | 312.91 |
| LOCATION | L0000916 | VOLUME | 458588.681 | 3767795.835 | 312.63 |
| LOCATION | L0000917 | VOLUME | 458588.644 | 3767787.245 | 312.35 |
| LOCATION | L0000918 | VOLUME | 458588.608 | 3767778.655 | 312.07 |
| LOCATION | L0000919 | VOLUME | 458588.571 | 3767770.065 | 312.00 |
| LOCATION | L0000920 | VOLUME | 458588.534 | 3767761.475 | 312.00 |
| LOCATION | L0000921 | VOLUME | 458588.498 | 3767752.885 | 312.00 |
| LOCATION | L0000922 | VOLUME | 458588.461 | 3767744.295 | 312.00 |
| LOCATION | L0000923 | VOLUME | 458588.424 | 3767735.705 | 311.99 |
| LOCATION | L0000924 | VOLUME | 458588.388 | 3767727.115 | 311.98 |
| LOCATION | L0000925 | VOLUME | 458588.351 | 3767718.525 | 311.97 |
| LOCATION | L0000926 | VOLUME | 458588.315 | 3767709.936 | 311.76 |
| LOCATION | L0000927 | VOLUME | 458588.278 | 3767701.346 | 311.48 |
| LOCATION | L0000928 | VOLUME | 458588.242 | 3767692.756 | 311.21 |
| LOCATION | L0000929 | VOLUME | 458588.205 | 3767684.166 | 311.00 |
| LOCATION | L0000930 | VOLUME | 458588.169 | 3767675.576 | 311.00 |
| LOCATION | L0000931 | VOLUME | 458588.132 | 3767666.986 | 311.00 |
| LOCATION | L0000932 | VOLUME | 458588.096 | 3767658.396 | 311.00 |
| LOCATION | L0000933 | VOLUME | 458588.059 | 3767649.806 | 311.00 |
| LOCATION | L0000934 | VOLUME | 458588.023 | 3767641.216 | 311.00 |
| LOCATION | L0000935 | VOLUME | 458587.986 | 3767632.627 | 311.00 |
| LOCATION | L0000936 | VOLUME | 458587.950 | 3767624.037 | 311.00 |
| LOCATION | L0000937 | VOLUME | 458587.913 | 3767615.447 | 311.00 |
| LOCATION | L0000938 | VOLUME | 458587.877 | 3767606.857 | 311.00 |
| LOCATION | L0000939 | VOLUME | 458587.840 | 3767598.267 | 311.00 |

\*\* End of LINE VOLUME Source ID = SLINE10

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE11

\*\* DESCRSRC Jurupa 72%

\*\* PREFIX

\*\* Length of Side = 14.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00002047

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 4

\*\* 458588.086, 3767596.627, 311.00, 3.49, 6.51

\*\* 458473.799, 3767594.464, 310.03, 3.49, 6.51

\*\* 458111.471, 3767591.940, 308.00, 3.49, 6.51

\*\* 458118.858, 3768613.037, 318.87, 3.49, 6.51

\*\* -----

|          |          |        |            |             |        |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0000940 | VOLUME | 458581.087 | 3767596.494 | 311.00 |
| LOCATION | L0000941 | VOLUME | 458567.089 | 3767596.229 | 311.00 |
| LOCATION | L0000942 | VOLUME | 458553.092 | 3767595.965 | 311.00 |
| LOCATION | L0000943 | VOLUME | 458539.094 | 3767595.700 | 311.00 |
| LOCATION | L0000944 | VOLUME | 458525.097 | 3767595.435 | 311.00 |
| LOCATION | L0000945 | VOLUME | 458511.099 | 3767595.170 | 311.00 |
| LOCATION | L0000946 | VOLUME | 458497.102 | 3767594.905 | 310.92 |
| LOCATION | L0000947 | VOLUME | 458483.104 | 3767594.640 | 310.45 |
| LOCATION | L0000948 | VOLUME | 458469.106 | 3767594.431 | 310.00 |
| LOCATION | L0000949 | VOLUME | 458455.106 | 3767594.334 | 310.00 |
| LOCATION | L0000950 | VOLUME | 458441.107 | 3767594.236 | 310.00 |
| LOCATION | L0000951 | VOLUME | 458427.107 | 3767594.139 | 310.00 |
| LOCATION | L0000952 | VOLUME | 458413.108 | 3767594.041 | 310.00 |
| LOCATION | L0000953 | VOLUME | 458399.108 | 3767593.943 | 310.00 |
| LOCATION | L0000954 | VOLUME | 458385.108 | 3767593.846 | 310.00 |
| LOCATION | L0000955 | VOLUME | 458371.109 | 3767593.748 | 310.00 |
| LOCATION | L0000956 | VOLUME | 458357.109 | 3767593.651 | 310.00 |
| LOCATION | L0000957 | VOLUME | 458343.109 | 3767593.553 | 310.00 |
| LOCATION | L0000958 | VOLUME | 458329.110 | 3767593.456 | 310.00 |
| LOCATION | L0000959 | VOLUME | 458315.110 | 3767593.358 | 309.99 |
| LOCATION | L0000960 | VOLUME | 458301.110 | 3767593.261 | 309.94 |
| LOCATION | L0000961 | VOLUME | 458287.111 | 3767593.163 | 309.82 |
| LOCATION | L0000962 | VOLUME | 458273.111 | 3767593.066 | 309.40 |
| LOCATION | L0000963 | VOLUME | 458259.111 | 3767592.968 | 309.00 |
| LOCATION | L0000964 | VOLUME | 458245.112 | 3767592.871 | 309.00 |
| LOCATION | L0000965 | VOLUME | 458231.112 | 3767592.773 | 309.00 |
| LOCATION | L0000966 | VOLUME | 458217.112 | 3767592.676 | 309.00 |
| LOCATION | L0000967 | VOLUME | 458203.113 | 3767592.578 | 309.00 |
| LOCATION | L0000968 | VOLUME | 458189.113 | 3767592.481 | 308.96 |
| LOCATION | L0000969 | VOLUME | 458175.113 | 3767592.383 | 308.89 |
| LOCATION | L0000970 | VOLUME | 458161.114 | 3767592.286 | 308.62 |
| LOCATION | L0000971 | VOLUME | 458147.114 | 3767592.188 | 308.22 |
| LOCATION | L0000972 | VOLUME | 458133.114 | 3767592.091 | 308.00 |
| LOCATION | L0000973 | VOLUME | 458119.115 | 3767591.993 | 308.00 |
| LOCATION | L0000974 | VOLUME | 458111.517 | 3767598.296 | 308.00 |
| LOCATION | L0000975 | VOLUME | 458111.618 | 3767612.296 | 308.04 |
| LOCATION | L0000976 | VOLUME | 458111.720 | 3767626.295 | 308.07 |
| LOCATION | L0000977 | VOLUME | 458111.821 | 3767640.295 | 308.50 |
| LOCATION | L0000978 | VOLUME | 458111.922 | 3767654.295 | 308.94 |
| LOCATION | L0000979 | VOLUME | 458112.024 | 3767668.294 | 309.00 |
| LOCATION | L0000980 | VOLUME | 458112.125 | 3767682.294 | 309.00 |
| LOCATION | L0000981 | VOLUME | 458112.226 | 3767696.294 | 309.03 |
| LOCATION | L0000982 | VOLUME | 458112.327 | 3767710.293 | 309.07 |
| LOCATION | L0000983 | VOLUME | 458112.429 | 3767724.293 | 309.33 |
| LOCATION | L0000984 | VOLUME | 458112.530 | 3767738.293 | 309.76 |
| LOCATION | L0000985 | VOLUME | 458112.631 | 3767752.292 | 310.00 |
| LOCATION | L0000986 | VOLUME | 458112.733 | 3767766.292 | 310.00 |
| LOCATION | L0000987 | VOLUME | 458112.834 | 3767780.291 | 310.01 |
| LOCATION | L0000988 | VOLUME | 458112.935 | 3767794.291 | 310.07 |

|          |          |        |            |             |        |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0000989 | VOLUME | 458113.036 | 3767808.291 | 310.17 |
| LOCATION | L0000990 | VOLUME | 458113.138 | 3767822.290 | 310.59 |
| LOCATION | L0000991 | VOLUME | 458113.239 | 3767836.290 | 311.00 |
| LOCATION | L0000992 | VOLUME | 458113.340 | 3767850.290 | 311.00 |
| LOCATION | L0000993 | VOLUME | 458113.441 | 3767864.289 | 311.00 |
| LOCATION | L0000994 | VOLUME | 458113.543 | 3767878.289 | 311.00 |
| LOCATION | L0000995 | VOLUME | 458113.644 | 3767892.288 | 311.00 |
| LOCATION | L0000996 | VOLUME | 458113.745 | 3767906.288 | 311.33 |
| LOCATION | L0000997 | VOLUME | 458113.847 | 3767920.288 | 311.80 |
| LOCATION | L0000998 | VOLUME | 458113.948 | 3767934.287 | 312.00 |
| LOCATION | L0000999 | VOLUME | 458114.049 | 3767948.287 | 312.00 |
| LOCATION | L0001000 | VOLUME | 458114.150 | 3767962.287 | 312.00 |
| LOCATION | L0001001 | VOLUME | 458114.252 | 3767976.286 | 312.00 |
| LOCATION | L0001002 | VOLUME | 458114.353 | 3767990.286 | 312.00 |
| LOCATION | L0001003 | VOLUME | 458114.454 | 3768004.286 | 312.00 |
| LOCATION | L0001004 | VOLUME | 458114.556 | 3768018.285 | 312.06 |
| LOCATION | L0001005 | VOLUME | 458114.657 | 3768032.285 | 312.53 |
| LOCATION | L0001006 | VOLUME | 458114.758 | 3768046.284 | 313.00 |
| LOCATION | L0001007 | VOLUME | 458114.859 | 3768060.284 | 313.00 |
| LOCATION | L0001008 | VOLUME | 458114.961 | 3768074.284 | 313.00 |
| LOCATION | L0001009 | VOLUME | 458115.062 | 3768088.283 | 313.00 |
| LOCATION | L0001010 | VOLUME | 458115.163 | 3768102.283 | 313.00 |
| LOCATION | L0001011 | VOLUME | 458115.265 | 3768116.283 | 313.06 |
| LOCATION | L0001012 | VOLUME | 458115.366 | 3768130.282 | 313.15 |
| LOCATION | L0001013 | VOLUME | 458115.467 | 3768144.282 | 313.41 |
| LOCATION | L0001014 | VOLUME | 458115.568 | 3768158.282 | 313.78 |
| LOCATION | L0001015 | VOLUME | 458115.670 | 3768172.281 | 314.00 |
| LOCATION | L0001016 | VOLUME | 458115.771 | 3768186.281 | 314.00 |
| LOCATION | L0001017 | VOLUME | 458115.872 | 3768200.280 | 314.03 |
| LOCATION | L0001018 | VOLUME | 458115.974 | 3768214.280 | 314.13 |
| LOCATION | L0001019 | VOLUME | 458116.075 | 3768228.280 | 314.27 |
| LOCATION | L0001020 | VOLUME | 458116.176 | 3768242.279 | 314.63 |
| LOCATION | L0001021 | VOLUME | 458116.277 | 3768256.279 | 315.00 |
| LOCATION | L0001022 | VOLUME | 458116.379 | 3768270.279 | 315.00 |
| LOCATION | L0001023 | VOLUME | 458116.480 | 3768284.278 | 315.00 |
| LOCATION | L0001024 | VOLUME | 458116.581 | 3768298.278 | 315.09 |
| LOCATION | L0001025 | VOLUME | 458116.683 | 3768312.277 | 315.20 |
| LOCATION | L0001026 | VOLUME | 458116.784 | 3768326.277 | 315.49 |
| LOCATION | L0001027 | VOLUME | 458116.885 | 3768340.277 | 315.85 |
| LOCATION | L0001028 | VOLUME | 458116.986 | 3768354.276 | 316.00 |
| LOCATION | L0001029 | VOLUME | 458117.088 | 3768368.276 | 316.00 |
| LOCATION | L0001030 | VOLUME | 458117.189 | 3768382.276 | 316.05 |
| LOCATION | L0001031 | VOLUME | 458117.290 | 3768396.275 | 316.17 |
| LOCATION | L0001032 | VOLUME | 458117.392 | 3768410.275 | 316.36 |
| LOCATION | L0001033 | VOLUME | 458117.493 | 3768424.275 | 316.70 |
| LOCATION | L0001034 | VOLUME | 458117.594 | 3768438.274 | 317.00 |
| LOCATION | L0001035 | VOLUME | 458117.695 | 3768452.274 | 317.00 |
| LOCATION | L0001036 | VOLUME | 458117.797 | 3768466.273 | 317.00 |
| LOCATION | L0001037 | VOLUME | 458117.898 | 3768480.273 | 317.00 |
| LOCATION | L0001038 | VOLUME | 458117.999 | 3768494.273 | 317.00 |
| LOCATION | L0001039 | VOLUME | 458118.101 | 3768508.272 | 317.40 |
| LOCATION | L0001040 | VOLUME | 458118.202 | 3768522.272 | 317.86 |
| LOCATION | L0001041 | VOLUME | 458118.303 | 3768536.272 | 318.00 |
| LOCATION | L0001042 | VOLUME | 458118.404 | 3768550.271 | 318.00 |
| LOCATION | L0001043 | VOLUME | 458118.506 | 3768564.271 | 318.00 |
| LOCATION | L0001044 | VOLUME | 458118.607 | 3768578.271 | 318.00 |
| LOCATION | L0001045 | VOLUME | 458118.708 | 3768592.270 | 318.20 |
| LOCATION | L0001046 | VOLUME | 458118.810 | 3768606.270 | 318.66 |

\*\* End of LINE VOLUME Source ID = SLINE11

\*\* Source Parameters \*\*

\*\* LINE VOLUME Source ID = SLINE1

|          |          |              |      |      |      |
|----------|----------|--------------|------|------|------|
| SRCPARAM | L0000298 | 0.0000009636 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000299 | 0.0000009636 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000300 | 0.0000009636 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000301 | 0.0000009636 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000302 | 0.0000009636 | 3.49 | 4.00 | 3.25 |

















|          |          |              |      |      |      |
|----------|----------|--------------|------|------|------|
| SRCPARAM | L0001043 | 0.0000001913 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0001044 | 0.0000001913 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0001045 | 0.0000001913 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0001046 | 0.0000001913 | 3.49 | 6.51 | 3.25 |

\*\* -----

URBANSRC ALL  
SRCGROUP ALL

SO FINISHED

\*\*  
\*\*\*\*\*

\*\* AERMOD Receptor Pathway  
\*\*\*\*\*

\*\*  
\*\*

RE STARTING  
INCLUDED "14581 Ops.rou"

RE FINISHED  
\*\*

\*\*\*\*\*  
\*\* AERMOD Meteorology Pathway  
\*\*\*\*\*

\*\*  
\*\*

ME STARTING  
SURFFILE FONT\_V9\_ADJU\FONT\_v9.SFC  
PROFFILE FONT\_V9\_ADJU\FONT\_v9.PFL  
SURFDATA 3102 2011  
UAIRDATA 3190 2011  
SITEDATA 99999 2011  
PROFBASE 367.0 METERS

ME FINISHED  
\*\*

\*\*\*\*\*  
\*\* AERMOD Output Pathway  
\*\*\*\*\*

\*\*  
\*\*

OU STARTING  
\*\* Auto-Generated Plotfiles  
PLOTFILE ANNUAL ALL "14581 Ops.AD\AN00GALL.PLT" 31  
SUMMFILE "14581 Ops.sum"

OU FINISHED  
\*\*

\*\*\*\*\*  
\*\* Project Parameters  
\*\*\*\*\*

\*\* PROJCTN CoordinateSystemUTM  
\*\* DESCPTN UTM: Universal Transverse Mercator  
\*\* DATUM North American Datum 1983  
\*\* DTMRGN CONUS  
\*\* UNITS m  
\*\* ZONE 11  
\*\* ZONEINX 0

\*\*  
\*\*

```
** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 12/2/2022
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14581 Oleander and Santa Ana\14581 Ops\14581
Ops.ADI
```

```
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
```

```
CO STARTING
TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14581 Oleander and Santa Ana\14
MODELOPT DFAULT CONC
AVERTIME ANNUAL
URBANOPT 2035210 San_Bernardino_County
POLLUTID DPM
RUNORNOT RUN
ERRORFIL "14581 Ops.err"
```

```
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
```

```
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC Bldg 1 Idle
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.0000106
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 458228.544, 3768577.371, 318.86, 3.49, 4.00
** 458228.774, 3768485.080, 318.00, 3.49, 4.00
** -----
```

| LOCATION | VOLUME     | X Coord.    | Y Coord. | Z |
|----------|------------|-------------|----------|---|
| L0000298 | 458228.554 | 3768573.076 | 318.56   |   |
| L0000299 | 458228.576 | 3768564.486 | 318.27   |   |
| L0000300 | 458228.597 | 3768555.897 | 318.00   |   |
| L0000301 | 458228.619 | 3768547.307 | 318.00   |   |
| L0000302 | 458228.640 | 3768538.717 | 318.00   |   |
| L0000303 | 458228.662 | 3768530.127 | 318.00   |   |
| L0000304 | 458228.683 | 3768521.537 | 318.00   |   |
| L0000305 | 458228.705 | 3768512.947 | 318.00   |   |
| L0000306 | 458228.726 | 3768504.357 | 318.00   |   |
| L0000307 | 458228.748 | 3768495.767 | 318.00   |   |
| L0000308 | 458228.769 | 3768487.177 | 317.99   |   |

```
** End of LINE VOLUME Source ID = SLINE1
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
```

\*\* DESCRSRC Bldg 2 Idle  
\*\* PREFIX  
\*\* Length of Side = 8.59  
\*\* Configuration = Adjacent  
\*\* Emission Rate = 0.00001331  
\*\* Vertical Dimension = 6.99  
\*\* SZINIT = 3.25  
\*\* Nodes = 2  
\*\* 458436.429, 3768614.749, 319.99, 3.49, 4.00  
\*\* 458436.429, 3768480.927, 318.00, 3.49, 4.00

---

|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0000309 | VOLUME | 458436.429 | 3768610.454 | 319.80 |
| LOCATION L0000310 | VOLUME | 458436.429 | 3768601.864 | 319.52 |
| LOCATION L0000311 | VOLUME | 458436.429 | 3768593.274 | 319.23 |
| LOCATION L0000312 | VOLUME | 458436.429 | 3768584.684 | 319.00 |
| LOCATION L0000313 | VOLUME | 458436.429 | 3768576.094 | 319.00 |
| LOCATION L0000314 | VOLUME | 458436.429 | 3768567.504 | 319.00 |
| LOCATION L0000315 | VOLUME | 458436.429 | 3768558.914 | 319.00 |
| LOCATION L0000316 | VOLUME | 458436.429 | 3768550.324 | 318.98 |
| LOCATION L0000317 | VOLUME | 458436.429 | 3768541.734 | 318.95 |
| LOCATION L0000318 | VOLUME | 458436.429 | 3768533.144 | 318.92 |
| LOCATION L0000319 | VOLUME | 458436.429 | 3768524.554 | 318.84 |
| LOCATION L0000320 | VOLUME | 458436.429 | 3768515.964 | 318.59 |
| LOCATION L0000321 | VOLUME | 458436.429 | 3768507.374 | 318.33 |
| LOCATION L0000322 | VOLUME | 458436.429 | 3768498.784 | 318.07 |
| LOCATION L0000323 | VOLUME | 458436.429 | 3768490.194 | 317.98 |
| LOCATION L0000324 | VOLUME | 458436.429 | 3768481.604 | 317.95 |

\*\* End of LINE VOLUME Source ID = SLINE2

---

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE3

\*\* DESCRSRC Bldg 3 Idle

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00001309

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 2

\*\* 458741.682, 3768615.211, 321.00, 3.49, 4.00

\*\* 458742.374, 3768480.927, 320.00, 3.49, 4.00

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|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0000325 | VOLUME | 458741.704 | 3768610.916 | 321.00 |
| LOCATION L0000326 | VOLUME | 458741.749 | 3768602.326 | 321.00 |
| LOCATION L0000327 | VOLUME | 458741.793 | 3768593.736 | 321.00 |
| LOCATION L0000328 | VOLUME | 458741.837 | 3768585.146 | 321.00 |
| LOCATION L0000329 | VOLUME | 458741.881 | 3768576.556 | 321.00 |
| LOCATION L0000330 | VOLUME | 458741.926 | 3768567.966 | 321.00 |
| LOCATION L0000331 | VOLUME | 458741.970 | 3768559.377 | 321.00 |
| LOCATION L0000332 | VOLUME | 458742.014 | 3768550.787 | 320.81 |
| LOCATION L0000333 | VOLUME | 458742.059 | 3768542.197 | 320.53 |
| LOCATION L0000334 | VOLUME | 458742.103 | 3768533.607 | 320.24 |
| LOCATION L0000335 | VOLUME | 458742.147 | 3768525.017 | 320.00 |
| LOCATION L0000336 | VOLUME | 458742.191 | 3768516.427 | 320.00 |
| LOCATION L0000337 | VOLUME | 458742.236 | 3768507.837 | 320.00 |
| LOCATION L0000338 | VOLUME | 458742.280 | 3768499.247 | 320.00 |
| LOCATION L0000339 | VOLUME | 458742.324 | 3768490.657 | 320.00 |
| LOCATION L0000340 | VOLUME | 458742.368 | 3768482.068 | 320.00 |

\*\* End of LINE VOLUME Source ID = SLINE3

---

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE4

\*\* DESCRSRC Bldg 1 Onsite

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent



\*\* Emission Rate = 3.298E-06  
\*\* Vertical Dimension = 6.99  
\*\* SZINIT = 3.25  
\*\* Nodes = 8  
\*\* 458248.617, 3768484.619, 318.00, 3.49, 4.00  
\*\* 458248.386, 3768614.749, 319.00, 3.49, 4.00  
\*\* 458244.002, 3768621.671, 319.00, 3.49, 4.00  
\*\* 458163.248, 3768621.671, 319.00, 3.49, 4.00  
\*\* 458153.788, 3768620.287, 318.92, 3.49, 4.00  
\*\* 458145.943, 3768615.442, 318.96, 3.49, 4.00  
\*\* 458136.022, 3768614.749, 318.98, 3.49, 4.00  
\*\* 458129.792, 3768614.519, 318.91, 3.49, 4.00

-----  
LOCATION L0000341 VOLUME 458248.609 3768488.914 318.00  
LOCATION L0000342 VOLUME 458248.594 3768497.504 318.00  
LOCATION L0000343 VOLUME 458248.579 3768506.094 318.00  
LOCATION L0000344 VOLUME 458248.564 3768514.684 318.00  
LOCATION L0000345 VOLUME 458248.548 3768523.274 318.00  
LOCATION L0000346 VOLUME 458248.533 3768531.864 318.12  
LOCATION L0000347 VOLUME 458248.518 3768540.454 318.30  
LOCATION L0000348 VOLUME 458248.503 3768549.044 318.48  
LOCATION L0000349 VOLUME 458248.488 3768557.634 318.65  
LOCATION L0000350 VOLUME 458248.472 3768566.224 318.75  
LOCATION L0000351 VOLUME 458248.457 3768574.814 318.86  
LOCATION L0000352 VOLUME 458248.442 3768583.404 318.96  
LOCATION L0000353 VOLUME 458248.427 3768591.994 319.00  
LOCATION L0000354 VOLUME 458248.411 3768600.584 319.00  
LOCATION L0000355 VOLUME 458248.396 3768609.174 319.00  
LOCATION L0000356 VOLUME 458246.773 3768617.296 319.02  
LOCATION L0000357 VOLUME 458240.591 3768621.671 319.07  
LOCATION L0000358 VOLUME 458232.001 3768621.671 319.01  
LOCATION L0000359 VOLUME 458223.411 3768621.671 319.00  
LOCATION L0000360 VOLUME 458214.821 3768621.671 319.00  
LOCATION L0000361 VOLUME 458206.231 3768621.671 319.00  
LOCATION L0000362 VOLUME 458197.641 3768621.671 319.00  
LOCATION L0000363 VOLUME 458189.051 3768621.671 319.00  
LOCATION L0000364 VOLUME 458180.461 3768621.671 319.00  
LOCATION L0000365 VOLUME 458171.871 3768621.671 319.00  
LOCATION L0000366 VOLUME 458163.281 3768621.671 319.00  
LOCATION L0000367 VOLUME 458154.782 3768620.432 319.00  
LOCATION L0000368 VOLUME 458147.334 3768616.301 319.00  
LOCATION L0000369 VOLUME 458139.005 3768614.957 318.95  
LOCATION L0000370 VOLUME 458130.426 3768614.542 318.94

\*\* End of LINE VOLUME Source ID = SLINE4

-----  
\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE5

\*\* DESCRSRC Bldg 2 Onsite

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 4.859E-06

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 9

\*\* 458418.202, 3768480.004, 317.56, 3.49, 4.00  
\*\* 458417.510, 3768607.827, 319.84, 3.49, 4.00  
\*\* 458420.278, 3768616.364, 319.92, 3.49, 4.00  
\*\* 458428.585, 3768622.363, 319.94, 3.49, 4.00  
\*\* 458444.274, 3768622.594, 319.96, 3.49, 4.00  
\*\* 458551.793, 3768620.518, 320.04, 3.49, 4.00  
\*\* 458560.330, 3768616.364, 320.00, 3.49, 4.00  
\*\* 458565.406, 3768615.211, 320.05, 3.49, 4.00  
\*\* 458578.558, 3768615.442, 320.67, 3.49, 4.00

-----  
LOCATION L0000371 VOLUME 458418.179 3768484.299 317.71

| LOCATION          | VOLUME |            |             |        |  |
|-------------------|--------|------------|-------------|--------|--|
| LOCATION L0000372 | VOLUME | 458418.132 | 3768492.889 | 317.92 |  |
| LOCATION L0000373 | VOLUME | 458418.086 | 3768501.479 | 318.05 |  |
| LOCATION L0000374 | VOLUME | 458418.039 | 3768510.069 | 318.13 |  |
| LOCATION L0000375 | VOLUME | 458417.993 | 3768518.659 | 318.21 |  |
| LOCATION L0000376 | VOLUME | 458417.946 | 3768527.249 | 318.30 |  |
| LOCATION L0000377 | VOLUME | 458417.900 | 3768535.839 | 318.51 |  |
| LOCATION L0000378 | VOLUME | 458417.853 | 3768544.428 | 318.71 |  |
| LOCATION L0000379 | VOLUME | 458417.806 | 3768553.018 | 318.92 |  |
| LOCATION L0000380 | VOLUME | 458417.760 | 3768561.608 | 319.00 |  |
| LOCATION L0000381 | VOLUME | 458417.713 | 3768570.198 | 319.00 |  |
| LOCATION L0000382 | VOLUME | 458417.667 | 3768578.788 | 319.00 |  |
| LOCATION L0000383 | VOLUME | 458417.620 | 3768587.378 | 319.03 |  |
| LOCATION L0000384 | VOLUME | 458417.574 | 3768595.968 | 319.32 |  |
| LOCATION L0000385 | VOLUME | 458417.527 | 3768604.557 | 319.61 |  |
| LOCATION L0000386 | VOLUME | 458419.151 | 3768612.888 | 319.88 |  |
| LOCATION L0000387 | VOLUME | 458424.279 | 3768619.254 | 320.00 |  |
| LOCATION L0000388 | VOLUME | 458431.864 | 3768622.412 | 320.00 |  |
| LOCATION L0000389 | VOLUME | 458440.453 | 3768622.538 | 320.00 |  |
| LOCATION L0000390 | VOLUME | 458449.041 | 3768622.502 | 320.00 |  |
| LOCATION L0000391 | VOLUME | 458457.630 | 3768622.336 | 320.00 |  |
| LOCATION L0000392 | VOLUME | 458466.218 | 3768622.170 | 320.00 |  |
| LOCATION L0000393 | VOLUME | 458474.807 | 3768622.004 | 320.03 |  |
| LOCATION L0000394 | VOLUME | 458483.395 | 3768621.839 | 320.08 |  |
| LOCATION L0000395 | VOLUME | 458491.983 | 3768621.673 | 320.13 |  |
| LOCATION L0000396 | VOLUME | 458500.572 | 3768621.507 | 320.17 |  |
| LOCATION L0000397 | VOLUME | 458509.160 | 3768621.341 | 320.17 |  |
| LOCATION L0000398 | VOLUME | 458517.749 | 3768621.175 | 320.16 |  |
| LOCATION L0000399 | VOLUME | 458526.337 | 3768621.009 | 320.16 |  |
| LOCATION L0000400 | VOLUME | 458534.925 | 3768620.843 | 320.15 |  |
| LOCATION L0000401 | VOLUME | 458543.514 | 3768620.677 | 320.14 |  |
| LOCATION L0000402 | VOLUME | 458552.071 | 3768620.382 | 320.13 |  |
| LOCATION L0000403 | VOLUME | 458559.795 | 3768616.625 | 320.02 |  |
| LOCATION L0000404 | VOLUME | 458568.196 | 3768615.260 | 320.28 |  |
| LOCATION L0000405 | VOLUME | 458576.784 | 3768615.410 | 320.56 |  |

\*\* End of LINE VOLUME Source ID = SLINE5

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE6

\*\* DESCRSRC Bldg 3 Onsite

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 4.721E-06

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 8

\*\* 458761.063, 3768480.927, 320.00, 3.49, 4.00

\*\* 458760.833, 3768610.596, 321.05, 3.49, 4.00

\*\* 458757.833, 3768617.749, 321.00, 3.49, 4.00

\*\* 458750.219, 3768622.133, 321.00, 3.49, 4.00

\*\* 458634.855, 3768621.902, 320.93, 3.49, 4.00

\*\* 458625.626, 3768619.825, 320.96, 3.49, 4.00

\*\* 458618.704, 3768615.672, 321.00, 3.49, 4.00

\*\* 458603.246, 3768615.672, 320.86, 3.49, 4.00

\*\* -----

| LOCATION          | VOLUME |            |             |        |  |
|-------------------|--------|------------|-------------|--------|--|
| LOCATION L0000406 | VOLUME | 458761.056 | 3768485.222 | 320.00 |  |
| LOCATION L0000407 | VOLUME | 458761.040 | 3768493.812 | 320.00 |  |
| LOCATION L0000408 | VOLUME | 458761.025 | 3768502.402 | 320.00 |  |
| LOCATION L0000409 | VOLUME | 458761.010 | 3768510.992 | 320.00 |  |
| LOCATION L0000410 | VOLUME | 458760.995 | 3768519.582 | 320.00 |  |
| LOCATION L0000411 | VOLUME | 458760.979 | 3768528.172 | 320.06 |  |
| LOCATION L0000412 | VOLUME | 458760.964 | 3768536.762 | 320.35 |  |
| LOCATION L0000413 | VOLUME | 458760.949 | 3768545.352 | 320.63 |  |
| LOCATION L0000414 | VOLUME | 458760.933 | 3768553.942 | 320.92 |  |
| LOCATION L0000415 | VOLUME | 458760.918 | 3768562.532 | 321.00 |  |
| LOCATION L0000416 | VOLUME | 458760.903 | 3768571.122 | 321.00 |  |

|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0000417 | VOLUME | 458760.888 | 3768579.712 | 321.00 |
| LOCATION L0000418 | VOLUME | 458760.872 | 3768588.302 | 321.00 |
| LOCATION L0000419 | VOLUME | 458760.857 | 3768596.892 | 321.00 |
| LOCATION L0000420 | VOLUME | 458760.842 | 3768605.482 | 321.00 |
| LOCATION L0000421 | VOLUME | 458759.488 | 3768613.802 | 321.00 |
| LOCATION L0000422 | VOLUME | 458754.098 | 3768619.899 | 321.12 |
| LOCATION L0000423 | VOLUME | 458746.105 | 3768622.124 | 321.19 |
| LOCATION L0000424 | VOLUME | 458737.515 | 3768622.107 | 321.19 |
| LOCATION L0000425 | VOLUME | 458728.925 | 3768622.090 | 321.19 |
| LOCATION L0000426 | VOLUME | 458720.335 | 3768622.073 | 321.19 |
| LOCATION L0000427 | VOLUME | 458711.745 | 3768622.056 | 321.19 |
| LOCATION L0000428 | VOLUME | 458703.155 | 3768622.038 | 321.15 |
| LOCATION L0000429 | VOLUME | 458694.565 | 3768622.021 | 321.09 |
| LOCATION L0000430 | VOLUME | 458685.975 | 3768622.004 | 321.04 |
| LOCATION L0000431 | VOLUME | 458677.385 | 3768621.987 | 321.00 |
| LOCATION L0000432 | VOLUME | 458668.795 | 3768621.970 | 321.00 |
| LOCATION L0000433 | VOLUME | 458660.205 | 3768621.953 | 321.00 |
| LOCATION L0000434 | VOLUME | 458651.615 | 3768621.935 | 321.00 |
| LOCATION L0000435 | VOLUME | 458643.025 | 3768621.918 | 321.00 |
| LOCATION L0000436 | VOLUME | 458634.446 | 3768621.810 | 321.00 |
| LOCATION L0000437 | VOLUME | 458626.065 | 3768619.924 | 321.00 |
| LOCATION L0000438 | VOLUME | 458618.636 | 3768615.672 | 320.98 |
| LOCATION L0000439 | VOLUME | 458610.046 | 3768615.672 | 320.98 |

\*\* End of LINE VOLUME Source ID = SLINE6

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE9

\*\* DESCRSRC Citrus 100%

\*\* PREFIX

\*\* Length of Side = 14.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00002324

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 6

\*\* 458119.156, 3768613.596, 318.87, 3.49, 6.51

\*\* 458127.575, 3769305.807, 326.65, 3.49, 6.51

\*\* 458128.661, 3769370.981, 328.90, 3.49, 6.51

\*\* 458135.450, 3769461.411, 329.88, 3.49, 6.51

\*\* 458136.808, 3769640.371, 334.92, 3.49, 6.51

\*\* 458141.424, 3769826.390, 332.26, 3.49, 6.51

\*\*

|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0000508 | VOLUME | 458119.242 | 3768620.595 | 319.00 |
| LOCATION L0000509 | VOLUME | 458119.412 | 3768634.594 | 319.00 |
| LOCATION L0000510 | VOLUME | 458119.582 | 3768648.593 | 319.00 |
| LOCATION L0000511 | VOLUME | 458119.752 | 3768662.592 | 319.00 |
| LOCATION L0000512 | VOLUME | 458119.923 | 3768676.591 | 319.00 |
| LOCATION L0000513 | VOLUME | 458120.093 | 3768690.590 | 319.17 |
| LOCATION L0000514 | VOLUME | 458120.263 | 3768704.589 | 319.34 |
| LOCATION L0000515 | VOLUME | 458120.433 | 3768718.588 | 319.62 |
| LOCATION L0000516 | VOLUME | 458120.604 | 3768732.587 | 319.92 |
| LOCATION L0000517 | VOLUME | 458120.774 | 3768746.586 | 320.00 |
| LOCATION L0000518 | VOLUME | 458120.944 | 3768760.585 | 320.00 |
| LOCATION L0000519 | VOLUME | 458121.114 | 3768774.584 | 320.27 |
| LOCATION L0000520 | VOLUME | 458121.285 | 3768788.583 | 320.74 |
| LOCATION L0000521 | VOLUME | 458121.455 | 3768802.582 | 321.00 |
| LOCATION L0000522 | VOLUME | 458121.625 | 3768816.581 | 321.00 |
| LOCATION L0000523 | VOLUME | 458121.795 | 3768830.580 | 321.00 |
| LOCATION L0000524 | VOLUME | 458121.966 | 3768844.579 | 321.00 |
| LOCATION L0000525 | VOLUME | 458122.136 | 3768858.578 | 321.07 |
| LOCATION L0000526 | VOLUME | 458122.306 | 3768872.577 | 321.54 |
| LOCATION L0000527 | VOLUME | 458122.476 | 3768886.576 | 322.00 |
| LOCATION L0000528 | VOLUME | 458122.647 | 3768900.575 | 322.00 |
| LOCATION L0000529 | VOLUME | 458122.817 | 3768914.573 | 322.00 |
| LOCATION L0000530 | VOLUME | 458122.987 | 3768928.572 | 322.00 |
| LOCATION L0000531 | VOLUME | 458123.157 | 3768942.571 | 322.00 |

|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0000532 | VOLUME | 458123.328 | 3768956.570 | 322.34 |
| LOCATION L0000533 | VOLUME | 458123.498 | 3768970.569 | 322.81 |
| LOCATION L0000534 | VOLUME | 458123.668 | 3768984.568 | 323.00 |
| LOCATION L0000535 | VOLUME | 458123.838 | 3768998.567 | 323.00 |
| LOCATION L0000536 | VOLUME | 458124.009 | 3769012.566 | 323.10 |
| LOCATION L0000537 | VOLUME | 458124.179 | 3769026.565 | 323.33 |
| LOCATION L0000538 | VOLUME | 458124.349 | 3769040.564 | 323.56 |
| LOCATION L0000539 | VOLUME | 458124.519 | 3769054.563 | 323.80 |
| LOCATION L0000540 | VOLUME | 458124.690 | 3769068.562 | 324.00 |
| LOCATION L0000541 | VOLUME | 458124.860 | 3769082.561 | 324.00 |
| LOCATION L0000542 | VOLUME | 458125.030 | 3769096.560 | 324.00 |
| LOCATION L0000543 | VOLUME | 458125.200 | 3769110.559 | 324.25 |
| LOCATION L0000544 | VOLUME | 458125.371 | 3769124.558 | 324.49 |
| LOCATION L0000545 | VOLUME | 458125.541 | 3769138.557 | 324.72 |
| LOCATION L0000546 | VOLUME | 458125.711 | 3769152.556 | 324.94 |
| LOCATION L0000547 | VOLUME | 458125.881 | 3769166.555 | 325.00 |
| LOCATION L0000548 | VOLUME | 458126.052 | 3769180.554 | 325.00 |
| LOCATION L0000549 | VOLUME | 458126.222 | 3769194.553 | 325.15 |
| LOCATION L0000550 | VOLUME | 458126.392 | 3769208.552 | 325.41 |
| LOCATION L0000551 | VOLUME | 458126.562 | 3769222.551 | 325.66 |
| LOCATION L0000552 | VOLUME | 458126.733 | 3769236.550 | 325.86 |
| LOCATION L0000553 | VOLUME | 458126.903 | 3769250.549 | 326.08 |
| LOCATION L0000554 | VOLUME | 458127.073 | 3769264.548 | 326.35 |
| LOCATION L0000555 | VOLUME | 458127.243 | 3769278.547 | 326.59 |
| LOCATION L0000556 | VOLUME | 458127.414 | 3769292.546 | 326.59 |
| LOCATION L0000557 | VOLUME | 458127.587 | 3769306.544 | 326.61 |
| LOCATION L0000558 | VOLUME | 458127.820 | 3769320.543 | 327.27 |
| LOCATION L0000559 | VOLUME | 458128.054 | 3769334.541 | 327.92 |
| LOCATION L0000560 | VOLUME | 458128.287 | 3769348.539 | 328.41 |
| LOCATION L0000561 | VOLUME | 458128.520 | 3769362.537 | 328.87 |
| LOCATION L0000562 | VOLUME | 458129.077 | 3769376.520 | 329.00 |
| LOCATION L0000563 | VOLUME | 458130.125 | 3769390.481 | 329.00 |
| LOCATION L0000564 | VOLUME | 458131.173 | 3769404.441 | 329.00 |
| LOCATION L0000565 | VOLUME | 458132.221 | 3769418.402 | 329.00 |
| LOCATION L0000566 | VOLUME | 458133.269 | 3769432.363 | 329.16 |
| LOCATION L0000567 | VOLUME | 458134.317 | 3769446.323 | 329.55 |
| LOCATION L0000568 | VOLUME | 458135.365 | 3769460.284 | 330.33 |
| LOCATION L0000569 | VOLUME | 458135.548 | 3769474.281 | 332.02 |
| LOCATION L0000570 | VOLUME | 458135.654 | 3769488.280 | 333.65 |
| LOCATION L0000571 | VOLUME | 458135.760 | 3769502.280 | 334.95 |
| LOCATION L0000572 | VOLUME | 458135.866 | 3769516.279 | 336.25 |
| LOCATION L0000573 | VOLUME | 458135.973 | 3769530.279 | 335.52 |
| LOCATION L0000574 | VOLUME | 458136.079 | 3769544.279 | 334.76 |
| LOCATION L0000575 | VOLUME | 458136.185 | 3769558.278 | 334.71 |
| LOCATION L0000576 | VOLUME | 458136.291 | 3769572.278 | 334.77 |
| LOCATION L0000577 | VOLUME | 458136.397 | 3769586.277 | 334.86 |
| LOCATION L0000578 | VOLUME | 458136.504 | 3769600.277 | 334.96 |
| LOCATION L0000579 | VOLUME | 458136.610 | 3769614.277 | 334.95 |
| LOCATION L0000580 | VOLUME | 458136.716 | 3769628.276 | 334.86 |
| LOCATION L0000581 | VOLUME | 458136.855 | 3769642.275 | 333.67 |
| LOCATION L0000582 | VOLUME | 458137.202 | 3769656.271 | 330.96 |
| LOCATION L0000583 | VOLUME | 458137.550 | 3769670.267 | 329.78 |
| LOCATION L0000584 | VOLUME | 458137.897 | 3769684.262 | 332.58 |
| LOCATION L0000585 | VOLUME | 458138.245 | 3769698.258 | 335.00 |
| LOCATION L0000586 | VOLUME | 458138.592 | 3769712.254 | 335.00 |
| LOCATION L0000587 | VOLUME | 458138.939 | 3769726.249 | 335.00 |
| LOCATION L0000588 | VOLUME | 458139.287 | 3769740.245 | 334.99 |
| LOCATION L0000589 | VOLUME | 458139.634 | 3769754.241 | 335.00 |
| LOCATION L0000590 | VOLUME | 458139.981 | 3769768.237 | 334.22 |
| LOCATION L0000591 | VOLUME | 458140.329 | 3769782.232 | 333.32 |
| LOCATION L0000592 | VOLUME | 458140.676 | 3769796.228 | 332.76 |
| LOCATION L0000593 | VOLUME | 458141.023 | 3769810.224 | 332.34 |
| LOCATION L0000594 | VOLUME | 458141.371 | 3769824.219 | 332.16 |

\*\* End of LINE VOLUME Source ID = SLINE9

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\*\* Line Source Represented by Adjacent Volume Sources

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** LINE VOLUME Source ID = SLINE10
** DESCRSRC Oleander 72%
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.00001393
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 4
** 458589.971, 3768616.176, 321.00, 3.49, 4.00
** 458590.232, 3768159.079, 316.00, 3.49, 4.00
** 458588.446, 3767740.837, 312.00, 3.49, 4.00
** 458589.167, 3767596.987, 311.00, 3.49, 4.00

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LOCATION L0000821      VOLUME  458589.974 3768611.881 320.85
LOCATION L0000822      VOLUME  458589.979 3768603.291 320.56
LOCATION L0000823      VOLUME  458589.984 3768594.701 320.28
LOCATION L0000824      VOLUME  458589.988 3768586.111 320.00
LOCATION L0000825      VOLUME  458589.993 3768577.521 320.00
LOCATION L0000826      VOLUME  458589.998 3768568.931 320.00
LOCATION L0000827      VOLUME  458590.003 3768560.341 320.00
LOCATION L0000828      VOLUME  458590.008 3768551.751 319.85
LOCATION L0000829      VOLUME  458590.013 3768543.161 319.57
LOCATION L0000830      VOLUME  458590.018 3768534.571 319.28
LOCATION L0000831      VOLUME  458590.023 3768525.981 319.01
LOCATION L0000832      VOLUME  458590.028 3768517.391 319.01
LOCATION L0000833      VOLUME  458590.033 3768508.801 319.01
LOCATION L0000834      VOLUME  458590.037 3768500.211 319.00
LOCATION L0000835      VOLUME  458590.042 3768491.621 319.00
LOCATION L0000836      VOLUME  458590.047 3768483.031 319.00
LOCATION L0000837      VOLUME  458590.052 3768474.441 319.00
LOCATION L0000838      VOLUME  458590.057 3768465.851 318.98
LOCATION L0000839      VOLUME  458590.062 3768457.261 318.70
LOCATION L0000840      VOLUME  458590.067 3768448.671 318.42
LOCATION L0000841      VOLUME  458590.072 3768440.081 318.14
LOCATION L0000842      VOLUME  458590.077 3768431.491 318.01
LOCATION L0000843      VOLUME  458590.082 3768422.901 318.01
LOCATION L0000844      VOLUME  458590.086 3768414.311 318.00
LOCATION L0000845      VOLUME  458590.091 3768405.721 318.00
LOCATION L0000846      VOLUME  458590.096 3768397.131 318.00
LOCATION L0000847      VOLUME  458590.101 3768388.541 318.00
LOCATION L0000848      VOLUME  458590.106 3768379.951 318.00
LOCATION L0000849      VOLUME  458590.111 3768371.361 318.00
LOCATION L0000850      VOLUME  458590.116 3768362.771 318.00
LOCATION L0000851      VOLUME  458590.121 3768354.181 318.00
LOCATION L0000852      VOLUME  458590.126 3768345.591 317.97
LOCATION L0000853      VOLUME  458590.131 3768337.001 317.69
LOCATION L0000854      VOLUME  458590.135 3768328.411 317.40
LOCATION L0000855      VOLUME  458590.140 3768319.821 317.12
LOCATION L0000856      VOLUME  458590.145 3768311.231 317.00
LOCATION L0000857      VOLUME  458590.150 3768302.641 317.00
LOCATION L0000858      VOLUME  458590.155 3768294.051 317.00
LOCATION L0000859      VOLUME  458590.160 3768285.461 317.00
LOCATION L0000860      VOLUME  458590.165 3768276.871 317.00
LOCATION L0000861      VOLUME  458590.170 3768268.281 317.00
LOCATION L0000862      VOLUME  458590.175 3768259.691 317.00
LOCATION L0000863      VOLUME  458590.179 3768251.101 316.83
LOCATION L0000864      VOLUME  458590.184 3768242.511 316.55
LOCATION L0000865      VOLUME  458590.189 3768233.921 316.27
LOCATION L0000866      VOLUME  458590.194 3768225.331 316.02
LOCATION L0000867      VOLUME  458590.199 3768216.741 316.01
LOCATION L0000868      VOLUME  458590.204 3768208.151 316.01
LOCATION L0000869      VOLUME  458590.209 3768199.561 316.00
LOCATION L0000870      VOLUME  458590.214 3768190.971 316.00
LOCATION L0000871      VOLUME  458590.219 3768182.381 316.00
LOCATION L0000872      VOLUME  458590.224 3768173.791 316.00

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|          |          |        |            |             |        |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0000873 | VOLUME | 458590.228 | 3768165.201 | 316.00 |
| LOCATION | L0000874 | VOLUME | 458590.221 | 3768156.611 | 316.00 |
| LOCATION | L0000875 | VOLUME | 458590.185 | 3768148.021 | 316.00 |
| LOCATION | L0000876 | VOLUME | 458590.148 | 3768139.432 | 316.00 |
| LOCATION | L0000877 | VOLUME | 458590.111 | 3768130.842 | 315.82 |
| LOCATION | L0000878 | VOLUME | 458590.075 | 3768122.252 | 315.53 |
| LOCATION | L0000879 | VOLUME | 458590.038 | 3768113.662 | 315.24 |
| LOCATION | L0000880 | VOLUME | 458590.001 | 3768105.072 | 315.00 |
| LOCATION | L0000881 | VOLUME | 458589.965 | 3768096.482 | 315.00 |
| LOCATION | L0000882 | VOLUME | 458589.928 | 3768087.892 | 315.00 |
| LOCATION | L0000883 | VOLUME | 458589.891 | 3768079.302 | 315.00 |
| LOCATION | L0000884 | VOLUME | 458589.855 | 3768070.712 | 315.00 |
| LOCATION | L0000885 | VOLUME | 458589.818 | 3768062.122 | 315.00 |
| LOCATION | L0000886 | VOLUME | 458589.781 | 3768053.532 | 315.00 |
| LOCATION | L0000887 | VOLUME | 458589.745 | 3768044.942 | 314.95 |
| LOCATION | L0000888 | VOLUME | 458589.708 | 3768036.353 | 314.67 |
| LOCATION | L0000889 | VOLUME | 458589.671 | 3768027.763 | 314.38 |
| LOCATION | L0000890 | VOLUME | 458589.635 | 3768019.173 | 314.10 |
| LOCATION | L0000891 | VOLUME | 458589.598 | 3768010.583 | 314.00 |
| LOCATION | L0000892 | VOLUME | 458589.561 | 3768001.993 | 314.00 |
| LOCATION | L0000893 | VOLUME | 458589.525 | 3767993.403 | 314.00 |
| LOCATION | L0000894 | VOLUME | 458589.488 | 3767984.813 | 314.00 |
| LOCATION | L0000895 | VOLUME | 458589.451 | 3767976.223 | 314.00 |
| LOCATION | L0000896 | VOLUME | 458589.415 | 3767967.633 | 314.00 |
| LOCATION | L0000897 | VOLUME | 458589.378 | 3767959.043 | 314.00 |
| LOCATION | L0000898 | VOLUME | 458589.341 | 3767950.453 | 314.00 |
| LOCATION | L0000899 | VOLUME | 458589.304 | 3767941.863 | 314.00 |
| LOCATION | L0000900 | VOLUME | 458589.268 | 3767933.273 | 313.99 |
| LOCATION | L0000901 | VOLUME | 458589.231 | 3767924.684 | 313.93 |
| LOCATION | L0000902 | VOLUME | 458589.194 | 3767916.094 | 313.65 |
| LOCATION | L0000903 | VOLUME | 458589.158 | 3767907.504 | 313.37 |
| LOCATION | L0000904 | VOLUME | 458589.121 | 3767898.914 | 313.08 |
| LOCATION | L0000905 | VOLUME | 458589.084 | 3767890.324 | 313.00 |
| LOCATION | L0000906 | VOLUME | 458589.048 | 3767881.734 | 313.00 |
| LOCATION | L0000907 | VOLUME | 458589.011 | 3767873.144 | 313.00 |
| LOCATION | L0000908 | VOLUME | 458588.974 | 3767864.554 | 313.00 |
| LOCATION | L0000909 | VOLUME | 458588.938 | 3767855.964 | 313.00 |
| LOCATION | L0000910 | VOLUME | 458588.901 | 3767847.374 | 313.00 |
| LOCATION | L0000911 | VOLUME | 458588.864 | 3767838.784 | 313.00 |
| LOCATION | L0000912 | VOLUME | 458588.828 | 3767830.194 | 312.99 |
| LOCATION | L0000913 | VOLUME | 458588.791 | 3767821.604 | 312.99 |
| LOCATION | L0000914 | VOLUME | 458588.754 | 3767813.015 | 312.98 |
| LOCATION | L0000915 | VOLUME | 458588.718 | 3767804.425 | 312.91 |
| LOCATION | L0000916 | VOLUME | 458588.681 | 3767795.835 | 312.63 |
| LOCATION | L0000917 | VOLUME | 458588.644 | 3767787.245 | 312.35 |
| LOCATION | L0000918 | VOLUME | 458588.608 | 3767778.655 | 312.07 |
| LOCATION | L0000919 | VOLUME | 458588.571 | 3767770.065 | 312.00 |
| LOCATION | L0000920 | VOLUME | 458588.534 | 3767761.475 | 312.00 |
| LOCATION | L0000921 | VOLUME | 458588.498 | 3767752.885 | 312.00 |
| LOCATION | L0000922 | VOLUME | 458588.461 | 3767744.295 | 312.00 |
| LOCATION | L0000923 | VOLUME | 458588.424 | 3767735.705 | 311.99 |
| LOCATION | L0000924 | VOLUME | 458588.388 | 3767727.115 | 311.98 |
| LOCATION | L0000925 | VOLUME | 458588.351 | 3767718.525 | 311.97 |
| LOCATION | L0000926 | VOLUME | 458588.315 | 3767709.936 | 311.76 |
| LOCATION | L0000927 | VOLUME | 458588.278 | 3767701.346 | 311.48 |
| LOCATION | L0000928 | VOLUME | 458588.242 | 3767692.756 | 311.21 |
| LOCATION | L0000929 | VOLUME | 458588.205 | 3767684.166 | 311.00 |
| LOCATION | L0000930 | VOLUME | 458588.169 | 3767675.576 | 311.00 |
| LOCATION | L0000931 | VOLUME | 458588.132 | 3767666.986 | 311.00 |
| LOCATION | L0000932 | VOLUME | 458588.096 | 3767658.396 | 311.00 |
| LOCATION | L0000933 | VOLUME | 458588.059 | 3767649.806 | 311.00 |
| LOCATION | L0000934 | VOLUME | 458588.023 | 3767641.216 | 311.00 |
| LOCATION | L0000935 | VOLUME | 458587.986 | 3767632.627 | 311.00 |
| LOCATION | L0000936 | VOLUME | 458587.950 | 3767624.037 | 311.00 |
| LOCATION | L0000937 | VOLUME | 458587.913 | 3767615.447 | 311.00 |
| LOCATION | L0000938 | VOLUME | 458587.877 | 3767606.857 | 311.00 |

LOCATION L0000939      VOLUME    458589.161 3767598.267 311.00  
 \*\* End of LINE VOLUME Source ID = SLINE10  
 \*\* -----  
 \*\* Line Source Represented by Adjacent Volume Sources  
 \*\* LINE VOLUME Source ID = SLINE11  
 \*\* DESCRSRC Jurupa 72%  
 \*\* PREFIX  
 \*\* Length of Side = 14.00  
 \*\* Configuration = Adjacent  
 \*\* Emission Rate = 0.00002047  
 \*\* Vertical Dimension = 6.99  
 \*\* SZINIT = 3.25  
 \*\* Nodes = 4  
 \*\* 458588.086, 3767596.627, 311.00, 3.49, 6.51  
 \*\* 458473.799, 3767594.464, 310.03, 3.49, 6.51  
 \*\* 458111.471, 3767591.940, 308.00, 3.49, 6.51  
 \*\* 458118.858, 3768613.037, 318.87, 3.49, 6.51  
 \*\* -----

|                   |        |            |             |        |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0000940 | VOLUME | 458581.087 | 3767596.494 | 311.00 |
| LOCATION L0000941 | VOLUME | 458567.089 | 3767596.229 | 311.00 |
| LOCATION L0000942 | VOLUME | 458553.092 | 3767595.965 | 311.00 |
| LOCATION L0000943 | VOLUME | 458539.094 | 3767595.700 | 311.00 |
| LOCATION L0000944 | VOLUME | 458525.097 | 3767595.435 | 311.00 |
| LOCATION L0000945 | VOLUME | 458511.099 | 3767595.170 | 311.00 |
| LOCATION L0000946 | VOLUME | 458497.102 | 3767594.905 | 310.92 |
| LOCATION L0000947 | VOLUME | 458483.104 | 3767594.640 | 310.45 |
| LOCATION L0000948 | VOLUME | 458469.106 | 3767594.431 | 310.00 |
| LOCATION L0000949 | VOLUME | 458455.106 | 3767594.334 | 310.00 |
| LOCATION L0000950 | VOLUME | 458441.107 | 3767594.236 | 310.00 |
| LOCATION L0000951 | VOLUME | 458427.107 | 3767594.139 | 310.00 |
| LOCATION L0000952 | VOLUME | 458413.108 | 3767594.041 | 310.00 |
| LOCATION L0000953 | VOLUME | 458399.108 | 3767593.943 | 310.00 |
| LOCATION L0000954 | VOLUME | 458385.108 | 3767593.846 | 310.00 |
| LOCATION L0000955 | VOLUME | 458371.109 | 3767593.748 | 310.00 |
| LOCATION L0000956 | VOLUME | 458357.109 | 3767593.651 | 310.00 |
| LOCATION L0000957 | VOLUME | 458343.109 | 3767593.553 | 310.00 |
| LOCATION L0000958 | VOLUME | 458329.110 | 3767593.456 | 310.00 |
| LOCATION L0000959 | VOLUME | 458315.110 | 3767593.358 | 309.99 |
| LOCATION L0000960 | VOLUME | 458301.110 | 3767593.261 | 309.94 |
| LOCATION L0000961 | VOLUME | 458287.111 | 3767593.163 | 309.82 |
| LOCATION L0000962 | VOLUME | 458273.111 | 3767593.066 | 309.40 |
| LOCATION L0000963 | VOLUME | 458259.111 | 3767592.968 | 309.00 |
| LOCATION L0000964 | VOLUME | 458245.112 | 3767592.871 | 309.00 |
| LOCATION L0000965 | VOLUME | 458231.112 | 3767592.773 | 309.00 |
| LOCATION L0000966 | VOLUME | 458217.112 | 3767592.676 | 309.00 |
| LOCATION L0000967 | VOLUME | 458203.113 | 3767592.578 | 309.00 |
| LOCATION L0000968 | VOLUME | 458189.113 | 3767592.481 | 308.96 |
| LOCATION L0000969 | VOLUME | 458175.113 | 3767592.383 | 308.89 |
| LOCATION L0000970 | VOLUME | 458161.114 | 3767592.286 | 308.62 |
| LOCATION L0000971 | VOLUME | 458147.114 | 3767592.188 | 308.22 |
| LOCATION L0000972 | VOLUME | 458133.114 | 3767592.091 | 308.00 |
| LOCATION L0000973 | VOLUME | 458119.115 | 3767591.993 | 308.00 |
| LOCATION L0000974 | VOLUME | 458111.517 | 3767598.296 | 308.00 |
| LOCATION L0000975 | VOLUME | 458111.618 | 3767612.296 | 308.04 |
| LOCATION L0000976 | VOLUME | 458111.720 | 3767626.295 | 308.07 |
| LOCATION L0000977 | VOLUME | 458111.821 | 3767640.295 | 308.50 |
| LOCATION L0000978 | VOLUME | 458111.922 | 3767654.295 | 308.94 |
| LOCATION L0000979 | VOLUME | 458112.024 | 3767668.294 | 309.00 |
| LOCATION L0000980 | VOLUME | 458112.125 | 3767682.294 | 309.00 |
| LOCATION L0000981 | VOLUME | 458112.226 | 3767696.294 | 309.03 |
| LOCATION L0000982 | VOLUME | 458112.327 | 3767710.293 | 309.07 |
| LOCATION L0000983 | VOLUME | 458112.429 | 3767724.293 | 309.33 |
| LOCATION L0000984 | VOLUME | 458112.530 | 3767738.293 | 309.76 |
| LOCATION L0000985 | VOLUME | 458112.631 | 3767752.292 | 310.00 |
| LOCATION L0000986 | VOLUME | 458112.733 | 3767766.292 | 310.00 |
| LOCATION L0000987 | VOLUME | 458112.834 | 3767780.291 | 310.01 |

| LOCATION          | VOLUME |            |             |        |  |
|-------------------|--------|------------|-------------|--------|--|
| LOCATION L0000988 | VOLUME | 458112.935 | 3767794.291 | 310.07 |  |
| LOCATION L0000989 | VOLUME | 458113.036 | 3767808.291 | 310.17 |  |
| LOCATION L0000990 | VOLUME | 458113.138 | 3767822.290 | 310.59 |  |
| LOCATION L0000991 | VOLUME | 458113.239 | 3767836.290 | 311.00 |  |
| LOCATION L0000992 | VOLUME | 458113.340 | 3767850.290 | 311.00 |  |
| LOCATION L0000993 | VOLUME | 458113.441 | 3767864.289 | 311.00 |  |
| LOCATION L0000994 | VOLUME | 458113.543 | 3767878.289 | 311.00 |  |
| LOCATION L0000995 | VOLUME | 458113.644 | 3767892.288 | 311.00 |  |
| LOCATION L0000996 | VOLUME | 458113.745 | 3767906.288 | 311.33 |  |
| LOCATION L0000997 | VOLUME | 458113.847 | 3767920.288 | 311.80 |  |
| LOCATION L0000998 | VOLUME | 458113.948 | 3767934.287 | 312.00 |  |
| LOCATION L0000999 | VOLUME | 458114.049 | 3767948.287 | 312.00 |  |
| LOCATION L0001000 | VOLUME | 458114.150 | 3767962.287 | 312.00 |  |
| LOCATION L0001001 | VOLUME | 458114.252 | 3767976.286 | 312.00 |  |
| LOCATION L0001002 | VOLUME | 458114.353 | 3767990.286 | 312.00 |  |
| LOCATION L0001003 | VOLUME | 458114.454 | 3768004.286 | 312.00 |  |
| LOCATION L0001004 | VOLUME | 458114.556 | 3768018.285 | 312.06 |  |
| LOCATION L0001005 | VOLUME | 458114.657 | 3768032.285 | 312.53 |  |
| LOCATION L0001006 | VOLUME | 458114.758 | 3768046.284 | 313.00 |  |
| LOCATION L0001007 | VOLUME | 458114.859 | 3768060.284 | 313.00 |  |
| LOCATION L0001008 | VOLUME | 458114.961 | 3768074.284 | 313.00 |  |
| LOCATION L0001009 | VOLUME | 458115.062 | 3768088.283 | 313.00 |  |
| LOCATION L0001010 | VOLUME | 458115.163 | 3768102.283 | 313.00 |  |
| LOCATION L0001011 | VOLUME | 458115.265 | 3768116.283 | 313.06 |  |
| LOCATION L0001012 | VOLUME | 458115.366 | 3768130.282 | 313.15 |  |
| LOCATION L0001013 | VOLUME | 458115.467 | 3768144.282 | 313.41 |  |
| LOCATION L0001014 | VOLUME | 458115.568 | 3768158.282 | 313.78 |  |
| LOCATION L0001015 | VOLUME | 458115.670 | 3768172.281 | 314.00 |  |
| LOCATION L0001016 | VOLUME | 458115.771 | 3768186.281 | 314.00 |  |
| LOCATION L0001017 | VOLUME | 458115.872 | 3768200.280 | 314.03 |  |
| LOCATION L0001018 | VOLUME | 458115.974 | 3768214.280 | 314.13 |  |
| LOCATION L0001019 | VOLUME | 458116.075 | 3768228.280 | 314.27 |  |
| LOCATION L0001020 | VOLUME | 458116.176 | 3768242.279 | 314.63 |  |
| LOCATION L0001021 | VOLUME | 458116.277 | 3768256.279 | 315.00 |  |
| LOCATION L0001022 | VOLUME | 458116.379 | 3768270.279 | 315.00 |  |
| LOCATION L0001023 | VOLUME | 458116.480 | 3768284.278 | 315.00 |  |
| LOCATION L0001024 | VOLUME | 458116.581 | 3768298.278 | 315.09 |  |
| LOCATION L0001025 | VOLUME | 458116.683 | 3768312.277 | 315.20 |  |
| LOCATION L0001026 | VOLUME | 458116.784 | 3768326.277 | 315.49 |  |
| LOCATION L0001027 | VOLUME | 458116.885 | 3768340.277 | 315.85 |  |
| LOCATION L0001028 | VOLUME | 458116.986 | 3768354.276 | 316.00 |  |
| LOCATION L0001029 | VOLUME | 458117.088 | 3768368.276 | 316.00 |  |
| LOCATION L0001030 | VOLUME | 458117.189 | 3768382.276 | 316.05 |  |
| LOCATION L0001031 | VOLUME | 458117.290 | 3768396.275 | 316.17 |  |
| LOCATION L0001032 | VOLUME | 458117.392 | 3768410.275 | 316.36 |  |
| LOCATION L0001033 | VOLUME | 458117.493 | 3768424.275 | 316.70 |  |
| LOCATION L0001034 | VOLUME | 458117.594 | 3768438.274 | 317.00 |  |
| LOCATION L0001035 | VOLUME | 458117.695 | 3768452.274 | 317.00 |  |
| LOCATION L0001036 | VOLUME | 458117.797 | 3768466.273 | 317.00 |  |
| LOCATION L0001037 | VOLUME | 458117.898 | 3768480.273 | 317.00 |  |
| LOCATION L0001038 | VOLUME | 458117.999 | 3768494.273 | 317.00 |  |
| LOCATION L0001039 | VOLUME | 458118.101 | 3768508.272 | 317.40 |  |
| LOCATION L0001040 | VOLUME | 458118.202 | 3768522.272 | 317.86 |  |
| LOCATION L0001041 | VOLUME | 458118.303 | 3768536.272 | 318.00 |  |
| LOCATION L0001042 | VOLUME | 458118.404 | 3768550.271 | 318.00 |  |
| LOCATION L0001043 | VOLUME | 458118.506 | 3768564.271 | 318.00 |  |
| LOCATION L0001044 | VOLUME | 458118.607 | 3768578.271 | 318.00 |  |
| LOCATION L0001045 | VOLUME | 458118.708 | 3768592.270 | 318.20 |  |
| LOCATION L0001046 | VOLUME | 458118.810 | 3768606.270 | 318.66 |  |

\*\* End of LINE VOLUME Source ID = SLINE11

\*\* Source Parameters \*\*

\*\* LINE VOLUME Source ID = SLINE1

|                   |              |      |      |      |
|-------------------|--------------|------|------|------|
| SRCPARAM L0000298 | 0.0000009636 | 3.49 | 4.00 | 3.25 |
| SRCPARAM L0000299 | 0.0000009636 | 3.49 | 4.00 | 3.25 |
| SRCPARAM L0000300 | 0.0000009636 | 3.49 | 4.00 | 3.25 |
| SRCPARAM L0000301 | 0.0000009636 | 3.49 | 4.00 | 3.25 |

















```
SRCPARAM L0001042      0.0000001913      3.49      6.51      3.25
SRCPARAM L0001043      0.0000001913      3.49      6.51      3.25
SRCPARAM L0001044      0.0000001913      3.49      6.51      3.25
SRCPARAM L0001045      0.0000001913      3.49      6.51      3.25
SRCPARAM L0001046      0.0000001913      3.49      6.51      3.25
```

\*\* -----

```
URBANSRC ALL
SRCGROUP ALL
```

SO FINISHED

\*\*
\*\*\*\*\*

\*\* AERMOD Receptor Pathway
\*\*\*\*\*

\*\*
\*\*

```
RE STARTING
  INCLUDED "14581 Ops.rou"
```

RE FINISHED
\*\*
\*\*\*\*\*

\*\* AERMOD Meteorology Pathway
\*\*\*\*\*

\*\*
\*\*

```
ME STARTING
SURFFILE FONT_V9_ADJU\FONT_v9.SFC
PROFFILE FONT_V9_ADJU\FONT_v9.PFL
SURFDATA 3102 2011
UAIRDATA 3190 2011
SITEDATA 99999 2011
PROFBASE 367.0 METERS
```

ME FINISHED
\*\*
\*\*\*\*\*

\*\* AERMOD Output Pathway
\*\*\*\*\*

\*\*
\*\*

```
OU STARTING
** Auto-Generated Plotfiles
  PLOTFILE ANNUAL ALL "14581 Ops.AD\AN00GALL.PLT" 31
  SUMMFILE "14581 Ops.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 1152 MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 1152 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET
```

\*\*\*\*\*
\*\*\* SETUP Finishes Successfully \*\*\*
\*\*\*\*\*



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\*\*\* MODELOPTs: RegDEFAULT 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 455 Source(s),  
for Total of 1 Urban Area(s):  
Urban Population = 2035210.0 ; Urban Roughness Length = 1.000 m
- \* Urban Roughness Length of 1.0 Meter Used.
- \* ADJ\_U\* - Use ADJ\_U\* option for SBL in AERMET
- \* TEMP\_Sub - Meteorological data includes TEMP substitutions
- \* Model Assumes No FLAGPOLE Receptor Heights.
- \* The User Specified a Pollutant Type of: DPM

\*\*Model Calculates ANNUAL Averages Only

\*\*This Run Includes: 455 Source(s); 1 Source Group(s); and 129 Receptor(s)

with: 0 POINT(s), including  
0 POINTCAP(s) and 0 POINTHOR(s)

and: 455 VOLUME source(s)

and: 0 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 ANNUAL 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) = 367.00 ; 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: 14581

Ops.err

\*\*File for Summary of Results: 14581

Ops.sum

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14581 Oleander and Santa Ana\14 \*\*\* 12/02/22 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* 09:14:25


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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

Table with 9 columns: SOURCE ID, SCALAR VARY, NUMBER URBAN PART. CATS., EMISSION RATE (GRAMS/SEC) BY, X (METERS), Y (METERS), BASE ELEV. (METERS), RELEASE HEIGHT (METERS), INIT. SY (METERS), INIT. SZ (METERS). Rows include source IDs L0000298 through L0000314 with associated emission rates and coordinates.

|          |   |             |          |           |       |      |      |      |
|----------|---|-------------|----------|-----------|-------|------|------|------|
| YES      |   |             |          |           |       |      |      |      |
| L0000315 | 0 | 0.83190E-06 | 458436.4 | 3768558.9 | 319.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000316 | 0 | 0.83190E-06 | 458436.4 | 3768550.3 | 319.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000317 | 0 | 0.83190E-06 | 458436.4 | 3768541.7 | 318.9 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000318 | 0 | 0.83190E-06 | 458436.4 | 3768533.1 | 318.9 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000319 | 0 | 0.83190E-06 | 458436.4 | 3768524.6 | 318.8 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000320 | 0 | 0.83190E-06 | 458436.4 | 3768516.0 | 318.6 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000321 | 0 | 0.83190E-06 | 458436.4 | 3768507.4 | 318.3 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000322 | 0 | 0.83190E-06 | 458436.4 | 3768498.8 | 318.1 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000323 | 0 | 0.83190E-06 | 458436.4 | 3768490.2 | 318.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000324 | 0 | 0.83190E-06 | 458436.4 | 3768481.6 | 317.9 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000325 | 0 | 0.81810E-06 | 458741.7 | 3768610.9 | 321.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000326 | 0 | 0.81810E-06 | 458741.7 | 3768602.3 | 321.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000327 | 0 | 0.81810E-06 | 458741.8 | 3768593.7 | 321.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000328 | 0 | 0.81810E-06 | 458741.8 | 3768585.1 | 321.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000329 | 0 | 0.81810E-06 | 458741.9 | 3768576.6 | 321.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000330 | 0 | 0.81810E-06 | 458741.9 | 3768568.0 | 321.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000331 | 0 | 0.81810E-06 | 458742.0 | 3768559.4 | 321.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000332 | 0 | 0.81810E-06 | 458742.0 | 3768550.8 | 320.8 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000333 | 0 | 0.81810E-06 | 458742.1 | 3768542.2 | 320.5 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000334 | 0 | 0.81810E-06 | 458742.1 | 3768533.6 | 320.2 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000335 | 0 | 0.81810E-06 | 458742.1 | 3768525.0 | 320.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000336 | 0 | 0.81810E-06 | 458742.2 | 3768516.4 | 320.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000337 | 0 | 0.81810E-06 | 458742.2 | 3768507.8 | 320.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |


 \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14581 Oleander and Santa Ana\14 \*\*\*      12/02/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\*      \*\*\*      09:14:25

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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*


\*\*\* VOLUME SOURCE DATA \*\*\*

| SOURCE   | NUMBER      | EMISSION RATE |          |          | BASE     | RELEASE  | INIT.    | INIT.    |
|----------|-------------|---------------|----------|----------|----------|----------|----------|----------|
| SOURCE   | PART.       | (GRAMS/SEC)   | X        | Y        | ELEV.    | HEIGHT   | SY       | SZ       |
| ID       | SCALAR VARY |               | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) |
| (METERS) | CATS.       | BY            |          |          |          |          |          |          |

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|          |   |             |          |           |       |      |      |      |
|----------|---|-------------|----------|-----------|-------|------|------|------|
| L0000338 | 0 | 0.81810E-06 | 458742.3 | 3768499.2 | 320.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000339 | 0 | 0.81810E-06 | 458742.3 | 3768490.7 | 320.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000340 | 0 | 0.81810E-06 | 458742.4 | 3768482.1 | 320.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000341 | 0 | 0.10990E-06 | 458248.6 | 3768488.9 | 318.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000342 | 0 | 0.10990E-06 | 458248.6 | 3768497.5 | 318.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000343 | 0 | 0.10990E-06 | 458248.6 | 3768506.1 | 318.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000344 | 0 | 0.10990E-06 | 458248.6 | 3768514.7 | 318.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000345 | 0 | 0.10990E-06 | 458248.5 | 3768523.3 | 318.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000346 | 0 | 0.10990E-06 | 458248.5 | 3768531.9 | 318.1 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000347 | 0 | 0.10990E-06 | 458248.5 | 3768540.5 | 318.3 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000348 | 0 | 0.10990E-06 | 458248.5 | 3768549.0 | 318.5 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000349 | 0 | 0.10990E-06 | 458248.5 | 3768557.6 | 318.7 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000350 | 0 | 0.10990E-06 | 458248.5 | 3768566.2 | 318.8 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000351 | 0 | 0.10990E-06 | 458248.5 | 3768574.8 | 318.9 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000352 | 0 | 0.10990E-06 | 458248.4 | 3768583.4 | 319.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000353 | 0 | 0.10990E-06 | 458248.4 | 3768592.0 | 319.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000354 | 0 | 0.10990E-06 | 458248.4 | 3768600.6 | 319.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000355 | 0 | 0.10990E-06 | 458248.4 | 3768609.2 | 319.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000356 | 0 | 0.10990E-06 | 458246.8 | 3768617.3 | 319.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000357 | 0 | 0.10990E-06 | 458240.6 | 3768621.7 | 319.1 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000358 | 0 | 0.10990E-06 | 458232.0 | 3768621.7 | 319.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000359 | 0 | 0.10990E-06 | 458223.4 | 3768621.7 | 319.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000360 | 0 | 0.10990E-06 | 458214.8 | 3768621.7 | 319.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000361 | 0 | 0.10990E-06 | 458206.2 | 3768621.7 | 319.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000362 | 0 | 0.10990E-06 | 458197.6 | 3768621.7 | 319.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000363 | 0 | 0.10990E-06 | 458189.1 | 3768621.7 | 319.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000364 | 0 | 0.10990E-06 | 458180.5 | 3768621.7 | 319.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000365 | 0 | 0.10990E-06 | 458171.9 | 3768621.7 | 319.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000366 | 0 | 0.10990E-06 | 458163.3 | 3768621.7 | 319.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000367 | 0 | 0.10990E-06 | 458154.8 | 3768620.4 | 319.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000368 | 0 | 0.10990E-06 | 458147.3 | 3768616.3 | 319.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000369 | 0 | 0.10990E-06 | 458139.0 | 3768615.0 | 318.9 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000370 | 0 | 0.10990E-06 | 458130.4 | 3768614.5 | 318.9 | 3.49 | 4.00 | 3.25 |

|     |          |   |             |          |           |       |      |      |      |
|-----|----------|---|-------------|----------|-----------|-------|------|------|------|
| YES | L0000371 | 0 | 0.13880E-06 | 458418.2 | 3768484.3 | 317.7 | 3.49 | 4.00 | 3.25 |
| YES | L0000372 | 0 | 0.13880E-06 | 458418.1 | 3768492.9 | 317.9 | 3.49 | 4.00 | 3.25 |
| YES | L0000373 | 0 | 0.13880E-06 | 458418.1 | 3768501.5 | 318.1 | 3.49 | 4.00 | 3.25 |
| YES | L0000374 | 0 | 0.13880E-06 | 458418.0 | 3768510.1 | 318.1 | 3.49 | 4.00 | 3.25 |
| YES | L0000375 | 0 | 0.13880E-06 | 458418.0 | 3768518.7 | 318.2 | 3.49 | 4.00 | 3.25 |
| YES | L0000376 | 0 | 0.13880E-06 | 458417.9 | 3768527.2 | 318.3 | 3.49 | 4.00 | 3.25 |
| YES | L0000377 | 0 | 0.13880E-06 | 458417.9 | 3768535.8 | 318.5 | 3.49 | 4.00 | 3.25 |


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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

| SOURCE             | NUMBER URBAN PART. | EMISSION RATE (GRAMS/SEC) | X        | Y         | BASE     | RELEASE  | INIT.    | INIT.    |
|--------------------|--------------------|---------------------------|----------|-----------|----------|----------|----------|----------|
|                    |                    |                           |          |           | ELEV.    | HEIGHT   | SY       | SZ       |
| SOURCE ID (METERS) | SCALAR VARY CATS.  | BY                        | (METERS) | (METERS)  | (METERS) | (METERS) | (METERS) | (METERS) |
| L0000378           | 0                  | 0.13880E-06               | 458417.9 | 3768544.4 | 318.7    | 3.49     | 4.00     | 3.25     |
| YES                |                    |                           |          |           |          |          |          |          |
| L0000379           | 0                  | 0.13880E-06               | 458417.8 | 3768553.0 | 318.9    | 3.49     | 4.00     | 3.25     |
| YES                |                    |                           |          |           |          |          |          |          |
| L0000380           | 0                  | 0.13880E-06               | 458417.8 | 3768561.6 | 319.0    | 3.49     | 4.00     | 3.25     |
| YES                |                    |                           |          |           |          |          |          |          |
| L0000381           | 0                  | 0.13880E-06               | 458417.7 | 3768570.2 | 319.0    | 3.49     | 4.00     | 3.25     |
| YES                |                    |                           |          |           |          |          |          |          |
| L0000382           | 0                  | 0.13880E-06               | 458417.7 | 3768578.8 | 319.0    | 3.49     | 4.00     | 3.25     |
| YES                |                    |                           |          |           |          |          |          |          |
| L0000383           | 0                  | 0.13880E-06               | 458417.6 | 3768587.4 | 319.0    | 3.49     | 4.00     | 3.25     |
| YES                |                    |                           |          |           |          |          |          |          |
| L0000384           | 0                  | 0.13880E-06               | 458417.6 | 3768596.0 | 319.3    | 3.49     | 4.00     | 3.25     |
| YES                |                    |                           |          |           |          |          |          |          |
| L0000385           | 0                  | 0.13880E-06               | 458417.5 | 3768604.6 | 319.6    | 3.49     | 4.00     | 3.25     |
| YES                |                    |                           |          |           |          |          |          |          |
| L0000386           | 0                  | 0.13880E-06               | 458419.2 | 3768612.9 | 319.9    | 3.49     | 4.00     | 3.25     |
| YES                |                    |                           |          |           |          |          |          |          |
| L0000387           | 0                  | 0.13880E-06               | 458424.3 | 3768619.3 | 320.0    | 3.49     | 4.00     | 3.25     |
| YES                |                    |                           |          |           |          |          |          |          |
| L0000388           | 0                  | 0.13880E-06               | 458431.9 | 3768622.4 | 320.0    | 3.49     | 4.00     | 3.25     |
| YES                |                    |                           |          |           |          |          |          |          |
| L0000389           | 0                  | 0.13880E-06               | 458440.5 | 3768622.5 | 320.0    | 3.49     | 4.00     | 3.25     |
| YES                |                    |                           |          |           |          |          |          |          |
| L0000390           | 0                  | 0.13880E-06               | 458449.0 | 3768622.5 | 320.0    | 3.49     | 4.00     | 3.25     |
| YES                |                    |                           |          |           |          |          |          |          |
| L0000391           | 0                  | 0.13880E-06               | 458457.6 | 3768622.3 | 320.0    | 3.49     | 4.00     | 3.25     |
| YES                |                    |                           |          |           |          |          |          |          |
| L0000392           | 0                  | 0.13880E-06               | 458466.2 | 3768622.2 | 320.0    | 3.49     | 4.00     | 3.25     |
| YES                |                    |                           |          |           |          |          |          |          |
| L0000393           | 0                  | 0.13880E-06               | 458474.8 | 3768622.0 | 320.0    | 3.49     | 4.00     | 3.25     |

|          |   |             |          |           |       |      |      |      |
|----------|---|-------------|----------|-----------|-------|------|------|------|
| YES      |   |             |          |           |       |      |      |      |
| L0000394 | 0 | 0.13880E-06 | 458483.4 | 3768621.8 | 320.1 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000395 | 0 | 0.13880E-06 | 458492.0 | 3768621.7 | 320.1 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000396 | 0 | 0.13880E-06 | 458500.6 | 3768621.5 | 320.2 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000397 | 0 | 0.13880E-06 | 458509.2 | 3768621.3 | 320.2 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000398 | 0 | 0.13880E-06 | 458517.7 | 3768621.2 | 320.2 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000399 | 0 | 0.13880E-06 | 458526.3 | 3768621.0 | 320.2 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000400 | 0 | 0.13880E-06 | 458534.9 | 3768620.8 | 320.2 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000401 | 0 | 0.13880E-06 | 458543.5 | 3768620.7 | 320.1 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000402 | 0 | 0.13880E-06 | 458552.1 | 3768620.4 | 320.1 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000403 | 0 | 0.13880E-06 | 458559.8 | 3768616.6 | 320.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000404 | 0 | 0.13880E-06 | 458568.2 | 3768615.3 | 320.3 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000405 | 0 | 0.13880E-06 | 458576.8 | 3768615.4 | 320.6 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000406 | 0 | 0.13890E-06 | 458761.1 | 3768485.2 | 320.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000407 | 0 | 0.13890E-06 | 458761.0 | 3768493.8 | 320.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000408 | 0 | 0.13890E-06 | 458761.0 | 3768502.4 | 320.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000409 | 0 | 0.13890E-06 | 458761.0 | 3768511.0 | 320.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000410 | 0 | 0.13890E-06 | 458761.0 | 3768519.6 | 320.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000411 | 0 | 0.13890E-06 | 458761.0 | 3768528.2 | 320.1 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000412 | 0 | 0.13890E-06 | 458761.0 | 3768536.8 | 320.4 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000413 | 0 | 0.13890E-06 | 458760.9 | 3768545.4 | 320.6 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000414 | 0 | 0.13890E-06 | 458760.9 | 3768553.9 | 320.9 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000415 | 0 | 0.13890E-06 | 458760.9 | 3768562.5 | 321.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000416 | 0 | 0.13890E-06 | 458760.9 | 3768571.1 | 321.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000417 | 0 | 0.13890E-06 | 458760.9 | 3768579.7 | 321.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |


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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

| SOURCE   | NUMBER | EMISSION    | RATE |          | BASE     | RELEASE  | INIT.    | INIT.    |
|----------|--------|-------------|------|----------|----------|----------|----------|----------|
| SOURCE   | URBAN  | EMISSION    | RATE |          | ELEV.    | HEIGHT   | SY       | SZ       |
| ID       | PART.  | (GRAMS/SEC) |      | X        |          |          |          |          |
| (METERS) | CATS.  |             |      | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) |
|          |        | BY          |      |          |          |          |          |          |

|          |   |             |          |           |       |      |      |      |
|----------|---|-------------|----------|-----------|-------|------|------|------|
| L0000418 | 0 | 0.13890E-06 | 458760.9 | 3768588.3 | 321.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000419 | 0 | 0.13890E-06 | 458760.9 | 3768596.9 | 321.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000420 | 0 | 0.13890E-06 | 458760.8 | 3768605.5 | 321.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000421 | 0 | 0.13890E-06 | 458759.5 | 3768613.8 | 321.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000422 | 0 | 0.13890E-06 | 458754.1 | 3768619.9 | 321.1 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000423 | 0 | 0.13890E-06 | 458746.1 | 3768622.1 | 321.2 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000424 | 0 | 0.13890E-06 | 458737.5 | 3768622.1 | 321.2 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000425 | 0 | 0.13890E-06 | 458728.9 | 3768622.1 | 321.2 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000426 | 0 | 0.13890E-06 | 458720.3 | 3768622.1 | 321.2 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000427 | 0 | 0.13890E-06 | 458711.7 | 3768622.1 | 321.2 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000428 | 0 | 0.13890E-06 | 458703.2 | 3768622.0 | 321.2 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000429 | 0 | 0.13890E-06 | 458694.6 | 3768622.0 | 321.1 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000430 | 0 | 0.13890E-06 | 458686.0 | 3768622.0 | 321.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000431 | 0 | 0.13890E-06 | 458677.4 | 3768622.0 | 321.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000432 | 0 | 0.13890E-06 | 458668.8 | 3768622.0 | 321.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000433 | 0 | 0.13890E-06 | 458660.2 | 3768622.0 | 321.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000434 | 0 | 0.13890E-06 | 458651.6 | 3768621.9 | 321.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000435 | 0 | 0.13890E-06 | 458643.0 | 3768621.9 | 321.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000436 | 0 | 0.13890E-06 | 458634.4 | 3768621.8 | 321.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000437 | 0 | 0.13890E-06 | 458626.1 | 3768619.9 | 321.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000438 | 0 | 0.13890E-06 | 458618.6 | 3768615.7 | 321.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000439 | 0 | 0.13890E-06 | 458610.0 | 3768615.7 | 321.0 | 3.49 | 4.00 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000508 | 0 | 0.26710E-06 | 458119.2 | 3768620.6 | 319.0 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000509 | 0 | 0.26710E-06 | 458119.4 | 3768634.6 | 319.0 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000510 | 0 | 0.26710E-06 | 458119.6 | 3768648.6 | 319.0 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000511 | 0 | 0.26710E-06 | 458119.8 | 3768662.6 | 319.0 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000512 | 0 | 0.26710E-06 | 458119.9 | 3768676.6 | 319.0 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000513 | 0 | 0.26710E-06 | 458120.1 | 3768690.6 | 319.2 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000514 | 0 | 0.26710E-06 | 458120.3 | 3768704.6 | 319.3 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000515 | 0 | 0.26710E-06 | 458120.4 | 3768718.6 | 319.6 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000516 | 0 | 0.26710E-06 | 458120.6 | 3768732.6 | 319.9 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000517 | 0 | 0.26710E-06 | 458120.8 | 3768746.6 | 320.0 | 3.49 | 6.51 | 3.25 |

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YES
L0000518      0  0.26710E-06  458120.9 3768760.6  320.0    3.49    6.51    3.25
YES
L0000519      0  0.26710E-06  458121.1 3768774.6  320.3    3.49    6.51    3.25
YES
L0000520      0  0.26710E-06  458121.3 3768788.6  320.7    3.49    6.51    3.25
YES
L0000521      0  0.26710E-06  458121.5 3768802.6  321.0    3.49    6.51    3.25
YES
L0000522      0  0.26710E-06  458121.6 3768816.6  321.0    3.49    6.51    3.25
YES
L0000523      0  0.26710E-06  458121.8 3768830.6  321.0    3.49    6.51    3.25
YES
L0000524      0  0.26710E-06  458122.0 3768844.6  321.0    3.49    6.51    3.25
YES
L0000525      0  0.26710E-06  458122.1 3768858.6  321.1    3.49    6.51    3.25
YES

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*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\14581 Oleander and
Santa Ana\14 ***                    12/02/22
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***   ***          09:14:25

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

| SOURCE   | NUMBER | EMISSION    | RATE     |           | BASE     | RELEASE  | INIT.    | INIT.    |
|----------|--------|-------------|----------|-----------|----------|----------|----------|----------|
| SOURCE   | URBAN  | EMISSION    | RATE     |           | ELEV.    | HEIGHT   | SY       | SZ       |
| ID       | PART.  | (GRAMS/SEC) |          | X         | (METERS) | (METERS) | (METERS) | (METERS) |
| (METERS) | SCALAR | VARY        | BY       | (METERS)  | (METERS) | (METERS) | (METERS) | (METERS) |
|          | CATS.  |             |          |           |          |          |          |          |
| L0000526 | 0      | 0.26710E-06 | 458122.3 | 3768872.6 | 321.5    | 3.49     | 6.51     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000527 | 0      | 0.26710E-06 | 458122.5 | 3768886.6 | 322.0    | 3.49     | 6.51     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000528 | 0      | 0.26710E-06 | 458122.6 | 3768900.6 | 322.0    | 3.49     | 6.51     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000529 | 0      | 0.26710E-06 | 458122.8 | 3768914.6 | 322.0    | 3.49     | 6.51     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000530 | 0      | 0.26710E-06 | 458123.0 | 3768928.6 | 322.0    | 3.49     | 6.51     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000531 | 0      | 0.26710E-06 | 458123.2 | 3768942.6 | 322.0    | 3.49     | 6.51     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000532 | 0      | 0.26710E-06 | 458123.3 | 3768956.6 | 322.3    | 3.49     | 6.51     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000533 | 0      | 0.26710E-06 | 458123.5 | 3768970.6 | 322.8    | 3.49     | 6.51     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000534 | 0      | 0.26710E-06 | 458123.7 | 3768984.6 | 323.0    | 3.49     | 6.51     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000535 | 0      | 0.26710E-06 | 458123.8 | 3768998.6 | 323.0    | 3.49     | 6.51     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000536 | 0      | 0.26710E-06 | 458124.0 | 3769012.6 | 323.1    | 3.49     | 6.51     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000537 | 0      | 0.26710E-06 | 458124.2 | 3769026.6 | 323.3    | 3.49     | 6.51     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000538 | 0      | 0.26710E-06 | 458124.3 | 3769040.6 | 323.6    | 3.49     | 6.51     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000539 | 0      | 0.26710E-06 | 458124.5 | 3769054.6 | 323.8    | 3.49     | 6.51     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000540 | 0      | 0.26710E-06 | 458124.7 | 3769068.6 | 324.0    | 3.49     | 6.51     | 3.25     |



|          |   |             |          |           |       |      |      |      |
|----------|---|-------------|----------|-----------|-------|------|------|------|
| YES      |   |             |          |           |       |      |      |      |
| L0000541 | 0 | 0.26710E-06 | 458124.9 | 3769082.6 | 324.0 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000542 | 0 | 0.26710E-06 | 458125.0 | 3769096.6 | 324.0 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000543 | 0 | 0.26710E-06 | 458125.2 | 3769110.6 | 324.2 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000544 | 0 | 0.26710E-06 | 458125.4 | 3769124.6 | 324.5 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000545 | 0 | 0.26710E-06 | 458125.5 | 3769138.6 | 324.7 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000546 | 0 | 0.26710E-06 | 458125.7 | 3769152.6 | 324.9 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000547 | 0 | 0.26710E-06 | 458125.9 | 3769166.6 | 325.0 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000548 | 0 | 0.26710E-06 | 458126.1 | 3769180.6 | 325.0 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000549 | 0 | 0.26710E-06 | 458126.2 | 3769194.6 | 325.2 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000550 | 0 | 0.26710E-06 | 458126.4 | 3769208.6 | 325.4 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000551 | 0 | 0.26710E-06 | 458126.6 | 3769222.6 | 325.7 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000552 | 0 | 0.26710E-06 | 458126.7 | 3769236.5 | 325.9 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000553 | 0 | 0.26710E-06 | 458126.9 | 3769250.5 | 326.1 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000554 | 0 | 0.26710E-06 | 458127.1 | 3769264.5 | 326.4 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000555 | 0 | 0.26710E-06 | 458127.2 | 3769278.5 | 326.6 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000556 | 0 | 0.26710E-06 | 458127.4 | 3769292.5 | 326.6 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000557 | 0 | 0.26710E-06 | 458127.6 | 3769306.5 | 326.6 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000558 | 0 | 0.26710E-06 | 458127.8 | 3769320.5 | 327.3 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000559 | 0 | 0.26710E-06 | 458128.1 | 3769334.5 | 327.9 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000560 | 0 | 0.26710E-06 | 458128.3 | 3769348.5 | 328.4 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000561 | 0 | 0.26710E-06 | 458128.5 | 3769362.5 | 328.9 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000562 | 0 | 0.26710E-06 | 458129.1 | 3769376.5 | 329.0 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000563 | 0 | 0.26710E-06 | 458130.1 | 3769390.5 | 329.0 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000564 | 0 | 0.26710E-06 | 458131.2 | 3769404.4 | 329.0 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0000565 | 0 | 0.26710E-06 | 458132.2 | 3769418.4 | 329.0 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\14581 Oleander and Santa Ana\14 \*\*\* 12/02/22

\*\*\* AERMET - VERSION 16216 \*\*\*

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

| SOURCE              | NUMBER | EMISSION RATE |   |   | BASE  | RELEASE | INIT. | INIT. |
|---------------------|--------|---------------|---|---|-------|---------|-------|-------|
| SOURCE              | PART.  | (GRAMS/SEC)   | X | Y | ELEV. | HEIGHT  | SY    | SZ    |
| URBAN EMISSION RATE |        |               |   |   |       |         |       |       |
| SCALAR VARY         |        |               |   |   |       |         |       |       |

| ID<br>(METERS)  | CATS. | BY          | (METERS) | (METERS)  | (METERS) | (METERS) | (METERS) | (METERS) |
|-----------------|-------|-------------|----------|-----------|----------|----------|----------|----------|
| L0000566<br>YES | 0     | 0.26710E-06 | 458133.3 | 3769432.4 | 329.2    | 3.49     | 6.51     | 3.25     |
| L0000567<br>YES | 0     | 0.26710E-06 | 458134.3 | 3769446.3 | 329.6    | 3.49     | 6.51     | 3.25     |
| L0000568<br>YES | 0     | 0.26710E-06 | 458135.4 | 3769460.3 | 330.3    | 3.49     | 6.51     | 3.25     |
| L0000569<br>YES | 0     | 0.26710E-06 | 458135.5 | 3769474.3 | 332.0    | 3.49     | 6.51     | 3.25     |
| L0000570<br>YES | 0     | 0.26710E-06 | 458135.7 | 3769488.3 | 333.7    | 3.49     | 6.51     | 3.25     |
| L0000571<br>YES | 0     | 0.26710E-06 | 458135.8 | 3769502.3 | 334.9    | 3.49     | 6.51     | 3.25     |
| L0000572<br>YES | 0     | 0.26710E-06 | 458135.9 | 3769516.3 | 336.2    | 3.49     | 6.51     | 3.25     |
| L0000573<br>YES | 0     | 0.26710E-06 | 458136.0 | 3769530.3 | 335.5    | 3.49     | 6.51     | 3.25     |
| L0000574<br>YES | 0     | 0.26710E-06 | 458136.1 | 3769544.3 | 334.8    | 3.49     | 6.51     | 3.25     |
| L0000575<br>YES | 0     | 0.26710E-06 | 458136.2 | 3769558.3 | 334.7    | 3.49     | 6.51     | 3.25     |
| L0000576<br>YES | 0     | 0.26710E-06 | 458136.3 | 3769572.3 | 334.8    | 3.49     | 6.51     | 3.25     |
| L0000577<br>YES | 0     | 0.26710E-06 | 458136.4 | 3769586.3 | 334.9    | 3.49     | 6.51     | 3.25     |
| L0000578<br>YES | 0     | 0.26710E-06 | 458136.5 | 3769600.3 | 335.0    | 3.49     | 6.51     | 3.25     |
| L0000579<br>YES | 0     | 0.26710E-06 | 458136.6 | 3769614.3 | 334.9    | 3.49     | 6.51     | 3.25     |
| L0000580<br>YES | 0     | 0.26710E-06 | 458136.7 | 3769628.3 | 334.9    | 3.49     | 6.51     | 3.25     |
| L0000581<br>YES | 0     | 0.26710E-06 | 458136.9 | 3769642.3 | 333.7    | 3.49     | 6.51     | 3.25     |
| L0000582<br>YES | 0     | 0.26710E-06 | 458137.2 | 3769656.3 | 331.0    | 3.49     | 6.51     | 3.25     |
| L0000583<br>YES | 0     | 0.26710E-06 | 458137.5 | 3769670.3 | 329.8    | 3.49     | 6.51     | 3.25     |
| L0000584<br>YES | 0     | 0.26710E-06 | 458137.9 | 3769684.3 | 332.6    | 3.49     | 6.51     | 3.25     |
| L0000585<br>YES | 0     | 0.26710E-06 | 458138.2 | 3769698.3 | 335.0    | 3.49     | 6.51     | 3.25     |
| L0000586<br>YES | 0     | 0.26710E-06 | 458138.6 | 3769712.3 | 335.0    | 3.49     | 6.51     | 3.25     |
| L0000587<br>YES | 0     | 0.26710E-06 | 458138.9 | 3769726.2 | 335.0    | 3.49     | 6.51     | 3.25     |
| L0000588<br>YES | 0     | 0.26710E-06 | 458139.3 | 3769740.2 | 335.0    | 3.49     | 6.51     | 3.25     |
| L0000589<br>YES | 0     | 0.26710E-06 | 458139.6 | 3769754.2 | 335.0    | 3.49     | 6.51     | 3.25     |
| L0000590<br>YES | 0     | 0.26710E-06 | 458140.0 | 3769768.2 | 334.2    | 3.49     | 6.51     | 3.25     |
| L0000591<br>YES | 0     | 0.26710E-06 | 458140.3 | 3769782.2 | 333.3    | 3.49     | 6.51     | 3.25     |
| L0000592<br>YES | 0     | 0.26710E-06 | 458140.7 | 3769796.2 | 332.8    | 3.49     | 6.51     | 3.25     |
| L0000593<br>YES | 0     | 0.26710E-06 | 458141.0 | 3769810.2 | 332.3    | 3.49     | 6.51     | 3.25     |
| L0000594<br>YES | 0     | 0.26710E-06 | 458141.4 | 3769824.2 | 332.2    | 3.49     | 6.51     | 3.25     |
| L0000821<br>YES | 0     | 0.11710E-06 | 458590.0 | 3768611.9 | 320.9    | 3.49     | 4.00     | 3.25     |
| L0000822        | 0     | 0.11710E-06 | 458590.0 | 3768603.3 | 320.6    | 3.49     | 4.00     | 3.25     |





| SOURCE   | PART.  | (GRAMS/SEC) | X        | Y         | ELEV.    | HEIGHT   | SY       | SZ       |
|----------|--------|-------------|----------|-----------|----------|----------|----------|----------|
| SOURCE   | SCALAR | VARY        | (METERS) | (METERS)  | (METERS) | (METERS) | (METERS) | (METERS) |
| ID       | CATS.  | BY          |          |           |          |          |          |          |
| (METERS) |        |             |          |           |          |          |          |          |
| L0000872 | 0      | 0.11710E-06 | 458590.2 | 3768173.8 | 316.0    | 3.49     | 4.00     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000873 | 0      | 0.11710E-06 | 458590.2 | 3768165.2 | 316.0    | 3.49     | 4.00     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000874 | 0      | 0.11710E-06 | 458590.2 | 3768156.6 | 316.0    | 3.49     | 4.00     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000875 | 0      | 0.11710E-06 | 458590.2 | 3768148.0 | 316.0    | 3.49     | 4.00     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000876 | 0      | 0.11710E-06 | 458590.1 | 3768139.4 | 316.0    | 3.49     | 4.00     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000877 | 0      | 0.11710E-06 | 458590.1 | 3768130.8 | 315.8    | 3.49     | 4.00     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000878 | 0      | 0.11710E-06 | 458590.1 | 3768122.3 | 315.5    | 3.49     | 4.00     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000879 | 0      | 0.11710E-06 | 458590.0 | 3768113.7 | 315.2    | 3.49     | 4.00     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000880 | 0      | 0.11710E-06 | 458590.0 | 3768105.1 | 315.0    | 3.49     | 4.00     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000881 | 0      | 0.11710E-06 | 458590.0 | 3768096.5 | 315.0    | 3.49     | 4.00     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000882 | 0      | 0.11710E-06 | 458589.9 | 3768087.9 | 315.0    | 3.49     | 4.00     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000883 | 0      | 0.11710E-06 | 458589.9 | 3768079.3 | 315.0    | 3.49     | 4.00     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000884 | 0      | 0.11710E-06 | 458589.9 | 3768070.7 | 315.0    | 3.49     | 4.00     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000885 | 0      | 0.11710E-06 | 458589.8 | 3768062.1 | 315.0    | 3.49     | 4.00     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000886 | 0      | 0.11710E-06 | 458589.8 | 3768053.5 | 315.0    | 3.49     | 4.00     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000887 | 0      | 0.11710E-06 | 458589.7 | 3768044.9 | 314.9    | 3.49     | 4.00     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000888 | 0      | 0.11710E-06 | 458589.7 | 3768036.4 | 314.7    | 3.49     | 4.00     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000889 | 0      | 0.11710E-06 | 458589.7 | 3768027.8 | 314.4    | 3.49     | 4.00     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000890 | 0      | 0.11710E-06 | 458589.6 | 3768019.2 | 314.1    | 3.49     | 4.00     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000891 | 0      | 0.11710E-06 | 458589.6 | 3768010.6 | 314.0    | 3.49     | 4.00     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000892 | 0      | 0.11710E-06 | 458589.6 | 3768002.0 | 314.0    | 3.49     | 4.00     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000893 | 0      | 0.11710E-06 | 458589.5 | 3767993.4 | 314.0    | 3.49     | 4.00     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000894 | 0      | 0.11710E-06 | 458589.5 | 3767984.8 | 314.0    | 3.49     | 4.00     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000895 | 0      | 0.11710E-06 | 458589.5 | 3767976.2 | 314.0    | 3.49     | 4.00     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000896 | 0      | 0.11710E-06 | 458589.4 | 3767967.6 | 314.0    | 3.49     | 4.00     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000897 | 0      | 0.11710E-06 | 458589.4 | 3767959.0 | 314.0    | 3.49     | 4.00     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000898 | 0      | 0.11710E-06 | 458589.3 | 3767950.5 | 314.0    | 3.49     | 4.00     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000899 | 0      | 0.11710E-06 | 458589.3 | 3767941.9 | 314.0    | 3.49     | 4.00     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000900 | 0      | 0.11710E-06 | 458589.3 | 3767933.3 | 314.0    | 3.49     | 4.00     | 3.25     |
| YES      |        |             |          |           |          |          |          |          |
| L0000901 | 0      | 0.11710E-06 | 458589.2 | 3767924.7 | 313.9    | 3.49     | 4.00     | 3.25     |






| SOURCE   | SOURCE | ID          | PART.    | NUMBER      | EMISSION | RATE | X        | Y        | BASE     | RELEASE  | INIT.    | INIT.    |
|----------|--------|-------------|----------|-------------|----------|------|----------|----------|----------|----------|----------|----------|
|          |        |             |          | URBAN       | EMISSION | RATE |          |          | ELEV.    | HEIGHT   | SY       | SZ       |
|          | SCALAR | (METERS)    | VARY     | (GRAMS/SEC) |          |      | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) |
|          | CATS.  |             |          | BY          |          |      |          |          |          |          |          |          |
| L0000952 | 0      | 0.19130E-06 | 458413.1 | 3767594.0   | 310.0    | 3.49 | 6.51     | 3.25     |          |          |          |          |
| YES      |        |             |          |             |          |      |          |          |          |          |          |          |
| L0000953 | 0      | 0.19130E-06 | 458399.1 | 3767593.9   | 310.0    | 3.49 | 6.51     | 3.25     |          |          |          |          |
| YES      |        |             |          |             |          |      |          |          |          |          |          |          |
| L0000954 | 0      | 0.19130E-06 | 458385.1 | 3767593.8   | 310.0    | 3.49 | 6.51     | 3.25     |          |          |          |          |
| YES      |        |             |          |             |          |      |          |          |          |          |          |          |
| L0000955 | 0      | 0.19130E-06 | 458371.1 | 3767593.7   | 310.0    | 3.49 | 6.51     | 3.25     |          |          |          |          |
| YES      |        |             |          |             |          |      |          |          |          |          |          |          |
| L0000956 | 0      | 0.19130E-06 | 458357.1 | 3767593.7   | 310.0    | 3.49 | 6.51     | 3.25     |          |          |          |          |
| YES      |        |             |          |             |          |      |          |          |          |          |          |          |
| L0000957 | 0      | 0.19130E-06 | 458343.1 | 3767593.6   | 310.0    | 3.49 | 6.51     | 3.25     |          |          |          |          |
| YES      |        |             |          |             |          |      |          |          |          |          |          |          |
| L0000958 | 0      | 0.19130E-06 | 458329.1 | 3767593.5   | 310.0    | 3.49 | 6.51     | 3.25     |          |          |          |          |
| YES      |        |             |          |             |          |      |          |          |          |          |          |          |
| L0000959 | 0      | 0.19130E-06 | 458315.1 | 3767593.4   | 310.0    | 3.49 | 6.51     | 3.25     |          |          |          |          |
| YES      |        |             |          |             |          |      |          |          |          |          |          |          |
| L0000960 | 0      | 0.19130E-06 | 458301.1 | 3767593.3   | 309.9    | 3.49 | 6.51     | 3.25     |          |          |          |          |
| YES      |        |             |          |             |          |      |          |          |          |          |          |          |
| L0000961 | 0      | 0.19130E-06 | 458287.1 | 3767593.2   | 309.8    | 3.49 | 6.51     | 3.25     |          |          |          |          |
| YES      |        |             |          |             |          |      |          |          |          |          |          |          |
| L0000962 | 0      | 0.19130E-06 | 458273.1 | 3767593.1   | 309.4    | 3.49 | 6.51     | 3.25     |          |          |          |          |
| YES      |        |             |          |             |          |      |          |          |          |          |          |          |
| L0000963 | 0      | 0.19130E-06 | 458259.1 | 3767593.0   | 309.0    | 3.49 | 6.51     | 3.25     |          |          |          |          |
| YES      |        |             |          |             |          |      |          |          |          |          |          |          |
| L0000964 | 0      | 0.19130E-06 | 458245.1 | 3767592.9   | 309.0    | 3.49 | 6.51     | 3.25     |          |          |          |          |
| YES      |        |             |          |             |          |      |          |          |          |          |          |          |
| L0000965 | 0      | 0.19130E-06 | 458231.1 | 3767592.8   | 309.0    | 3.49 | 6.51     | 3.25     |          |          |          |          |
| YES      |        |             |          |             |          |      |          |          |          |          |          |          |
| L0000966 | 0      | 0.19130E-06 | 458217.1 | 3767592.7   | 309.0    | 3.49 | 6.51     | 3.25     |          |          |          |          |
| YES      |        |             |          |             |          |      |          |          |          |          |          |          |
| L0000967 | 0      | 0.19130E-06 | 458203.1 | 3767592.6   | 309.0    | 3.49 | 6.51     | 3.25     |          |          |          |          |
| YES      |        |             |          |             |          |      |          |          |          |          |          |          |
| L0000968 | 0      | 0.19130E-06 | 458189.1 | 3767592.5   | 309.0    | 3.49 | 6.51     | 3.25     |          |          |          |          |
| YES      |        |             |          |             |          |      |          |          |          |          |          |          |
| L0000969 | 0      | 0.19130E-06 | 458175.1 | 3767592.4   | 308.9    | 3.49 | 6.51     | 3.25     |          |          |          |          |
| YES      |        |             |          |             |          |      |          |          |          |          |          |          |
| L0000970 | 0      | 0.19130E-06 | 458161.1 | 3767592.3   | 308.6    | 3.49 | 6.51     | 3.25     |          |          |          |          |
| YES      |        |             |          |             |          |      |          |          |          |          |          |          |
| L0000971 | 0      | 0.19130E-06 | 458147.1 | 3767592.2   | 308.2    | 3.49 | 6.51     | 3.25     |          |          |          |          |
| YES      |        |             |          |             |          |      |          |          |          |          |          |          |
| L0000972 | 0      | 0.19130E-06 | 458133.1 | 3767592.1   | 308.0    | 3.49 | 6.51     | 3.25     |          |          |          |          |
| YES      |        |             |          |             |          |      |          |          |          |          |          |          |
| L0000973 | 0      | 0.19130E-06 | 458119.1 | 3767592.0   | 308.0    | 3.49 | 6.51     | 3.25     |          |          |          |          |
| YES      |        |             |          |             |          |      |          |          |          |          |          |          |
| L0000974 | 0      | 0.19130E-06 | 458111.5 | 3767598.3   | 308.0    | 3.49 | 6.51     | 3.25     |          |          |          |          |
| YES      |        |             |          |             |          |      |          |          |          |          |          |          |
| L0000975 | 0      | 0.19130E-06 | 458111.6 | 3767612.3   | 308.0    | 3.49 | 6.51     | 3.25     |          |          |          |          |
| YES      |        |             |          |             |          |      |          |          |          |          |          |          |
| L0000976 | 0      | 0.19130E-06 | 458111.7 | 3767626.3   | 308.1    | 3.49 | 6.51     | 3.25     |          |          |          |          |
| YES      |        |             |          |             |          |      |          |          |          |          |          |          |
| L0000977 | 0      | 0.19130E-06 | 458111.8 | 3767640.3   | 308.5    | 3.49 | 6.51     | 3.25     |          |          |          |          |
| YES      |        |             |          |             |          |      |          |          |          |          |          |          |
| L0000978 | 0      | 0.19130E-06 | 458111.9 | 3767654.3   | 308.9    | 3.49 | 6.51     | 3.25     |          |          |          |          |
| YES      |        |             |          |             |          |      |          |          |          |          |          |          |
| L0000979 | 0      | 0.19130E-06 | 458112.0 | 3767668.3   | 309.0    | 3.49 | 6.51     | 3.25     |          |          |          |          |
| YES      |        |             |          |             |          |      |          |          |          |          |          |          |
| L0000980 | 0      | 0.19130E-06 | 458112.1 | 3767682.3   | 309.0    | 3.49 | 6.51     | 3.25     |          |          |          |          |





|          |   |             |          |           |       |      |      |      |
|----------|---|-------------|----------|-----------|-------|------|------|------|
| YES      |   |             |          |           |       |      |      |      |
| L0001004 | 0 | 0.19130E-06 | 458114.6 | 3768018.3 | 312.1 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0001005 | 0 | 0.19130E-06 | 458114.7 | 3768032.3 | 312.5 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0001006 | 0 | 0.19130E-06 | 458114.8 | 3768046.3 | 313.0 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0001007 | 0 | 0.19130E-06 | 458114.9 | 3768060.3 | 313.0 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0001008 | 0 | 0.19130E-06 | 458115.0 | 3768074.3 | 313.0 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0001009 | 0 | 0.19130E-06 | 458115.1 | 3768088.3 | 313.0 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0001010 | 0 | 0.19130E-06 | 458115.2 | 3768102.3 | 313.0 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0001011 | 0 | 0.19130E-06 | 458115.3 | 3768116.3 | 313.1 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0001012 | 0 | 0.19130E-06 | 458115.4 | 3768130.3 | 313.2 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0001013 | 0 | 0.19130E-06 | 458115.5 | 3768144.3 | 313.4 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0001014 | 0 | 0.19130E-06 | 458115.6 | 3768158.3 | 313.8 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0001015 | 0 | 0.19130E-06 | 458115.7 | 3768172.3 | 314.0 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0001016 | 0 | 0.19130E-06 | 458115.8 | 3768186.3 | 314.0 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0001017 | 0 | 0.19130E-06 | 458115.9 | 3768200.3 | 314.0 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0001018 | 0 | 0.19130E-06 | 458116.0 | 3768214.3 | 314.1 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0001019 | 0 | 0.19130E-06 | 458116.1 | 3768228.3 | 314.3 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0001020 | 0 | 0.19130E-06 | 458116.2 | 3768242.3 | 314.6 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0001021 | 0 | 0.19130E-06 | 458116.3 | 3768256.3 | 315.0 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0001022 | 0 | 0.19130E-06 | 458116.4 | 3768270.3 | 315.0 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0001023 | 0 | 0.19130E-06 | 458116.5 | 3768284.3 | 315.0 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0001024 | 0 | 0.19130E-06 | 458116.6 | 3768298.3 | 315.1 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0001025 | 0 | 0.19130E-06 | 458116.7 | 3768312.3 | 315.2 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0001026 | 0 | 0.19130E-06 | 458116.8 | 3768326.3 | 315.5 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0001027 | 0 | 0.19130E-06 | 458116.9 | 3768340.3 | 315.9 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0001028 | 0 | 0.19130E-06 | 458117.0 | 3768354.3 | 316.0 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0001029 | 0 | 0.19130E-06 | 458117.1 | 3768368.3 | 316.0 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0001030 | 0 | 0.19130E-06 | 458117.2 | 3768382.3 | 316.1 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |
| L0001031 | 0 | 0.19130E-06 | 458117.3 | 3768396.3 | 316.2 | 3.49 | 6.51 | 3.25 |
| YES      |   |             |          |           |       |      |      |      |

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

| SOURCE             | NUMBER URBAN | EMISSION PART. | RATE EMISSION (GRAMS/SEC) | X         | Y        | BASE ELEV. | RELEASE HEIGHT | INIT. SY | INIT. SZ |
|--------------------|--------------|----------------|---------------------------|-----------|----------|------------|----------------|----------|----------|
| SOURCE ID (METERS) | SCALAR       | VARY CATS.     | BY                        | (METERS)  | (METERS) | (METERS)   | (METERS)       | (METERS) | (METERS) |
| L0001032           | 0            | 0.19130E-06    | 458117.4                  | 3768410.3 | 316.4    | 3.49       | 6.51           | 3.25     |          |
| YES                |              |                |                           |           |          |            |                |          |          |
| L0001033           | 0            | 0.19130E-06    | 458117.5                  | 3768424.3 | 316.7    | 3.49       | 6.51           | 3.25     |          |
| YES                |              |                |                           |           |          |            |                |          |          |
| L0001034           | 0            | 0.19130E-06    | 458117.6                  | 3768438.3 | 317.0    | 3.49       | 6.51           | 3.25     |          |
| YES                |              |                |                           |           |          |            |                |          |          |
| L0001035           | 0            | 0.19130E-06    | 458117.7                  | 3768452.3 | 317.0    | 3.49       | 6.51           | 3.25     |          |
| YES                |              |                |                           |           |          |            |                |          |          |
| L0001036           | 0            | 0.19130E-06    | 458117.8                  | 3768466.3 | 317.0    | 3.49       | 6.51           | 3.25     |          |
| YES                |              |                |                           |           |          |            |                |          |          |
| L0001037           | 0            | 0.19130E-06    | 458117.9                  | 3768480.3 | 317.0    | 3.49       | 6.51           | 3.25     |          |
| YES                |              |                |                           |           |          |            |                |          |          |
| L0001038           | 0            | 0.19130E-06    | 458118.0                  | 3768494.3 | 317.0    | 3.49       | 6.51           | 3.25     |          |
| YES                |              |                |                           |           |          |            |                |          |          |
| L0001039           | 0            | 0.19130E-06    | 458118.1                  | 3768508.3 | 317.4    | 3.49       | 6.51           | 3.25     |          |
| YES                |              |                |                           |           |          |            |                |          |          |
| L0001040           | 0            | 0.19130E-06    | 458118.2                  | 3768522.3 | 317.9    | 3.49       | 6.51           | 3.25     |          |
| YES                |              |                |                           |           |          |            |                |          |          |
| L0001041           | 0            | 0.19130E-06    | 458118.3                  | 3768536.3 | 318.0    | 3.49       | 6.51           | 3.25     |          |
| YES                |              |                |                           |           |          |            |                |          |          |
| L0001042           | 0            | 0.19130E-06    | 458118.4                  | 3768550.3 | 318.0    | 3.49       | 6.51           | 3.25     |          |
| YES                |              |                |                           |           |          |            |                |          |          |
| L0001043           | 0            | 0.19130E-06    | 458118.5                  | 3768564.3 | 318.0    | 3.49       | 6.51           | 3.25     |          |
| YES                |              |                |                           |           |          |            |                |          |          |
| L0001044           | 0            | 0.19130E-06    | 458118.6                  | 3768578.3 | 318.0    | 3.49       | 6.51           | 3.25     |          |
| YES                |              |                |                           |           |          |            |                |          |          |
| L0001045           | 0            | 0.19130E-06    | 458118.7                  | 3768592.3 | 318.2    | 3.49       | 6.51           | 3.25     |          |
| YES                |              |                |                           |           |          |            |                |          |          |
| L0001046           | 0            | 0.19130E-06    | 458118.8                  | 3768606.3 | 318.7    | 3.49       | 6.51           | 3.25     |          |
| YES                |              |                |                           |           |          |            |                |          |          |

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\*\*\* MODELOPTs:      RegDFAULT      CONC      ELEV      URBAN      ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

| SRCGROUP ID | SOURCE IDs                                                        |
|-------------|-------------------------------------------------------------------|
| ALL         | L0000298 , L0000299 , L0000300 , L0000301 , L0000302 , L0000303 , |
| L0000304    | , L0000305 ,                                                      |
|             | L0000306 , L0000307 , L0000308 , L0000309 , L0000310 , L0000311 , |
|             | L0000312 , L0000313 ,                                             |
|             | L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 , |
|             | L0000320 , L0000321 ,                                             |
|             | L0000322 , L0000323 , L0000324 , L0000325 , L0000326 , L0000327 , |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID  
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SOURCE IDs  
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SRCGROUP ID  
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SOURCE IDs  
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| URBAN ID | URBAN POP            | SOURCE IDs               |                 |                 |                 |                 |  |
|----------|----------------------|--------------------------|-----------------|-----------------|-----------------|-----------------|--|
| -----    | -----                | -----                    |                 |                 |                 |                 |  |
| L0000305 | 2035210.<br>L0000303 | L0000298<br>, L0000304   | , L0000299<br>, | , L0000300<br>, | , L0000301<br>, | , L0000302<br>, |  |
|          | L0000306<br>L0000312 | , L0000307<br>, L0000313 | , L0000308<br>, | , L0000309<br>, | , L0000310<br>, | , L0000311<br>, |  |
|          | L0000314<br>L0000320 | , L0000315<br>, L0000321 | , L0000316<br>, | , L0000317<br>, | , L0000318<br>, | , L0000319<br>, |  |
|          | L0000322<br>L0000328 | , L0000323<br>, L0000329 | , L0000324<br>, | , L0000325<br>, | , L0000326<br>, | , L0000327<br>, |  |
|          | L0000330<br>L0000336 | , L0000331<br>, L0000337 | , L0000332<br>, | , L0000333<br>, | , L0000334<br>, | , L0000335<br>, |  |
|          | L0000338<br>L0000344 | , L0000339<br>, L0000345 | , L0000340<br>, | , L0000341<br>, | , L0000342<br>, | , L0000343<br>, |  |
|          | L0000346<br>L0000352 | , L0000347<br>, L0000353 | , L0000348<br>, | , L0000349<br>, | , L0000350<br>, | , L0000351<br>, |  |
|          | L0000354<br>L0000360 | , L0000355<br>, L0000361 | , L0000356<br>, | , L0000357<br>, | , L0000358<br>, | , L0000359<br>, |  |
|          | L0000362<br>L0000368 | , L0000363<br>, L0000369 | , L0000364<br>, | , L0000365<br>, | , L0000366<br>, | , L0000367<br>, |  |
|          | L0000370<br>L0000376 | , L0000371<br>, L0000377 | , L0000372<br>, | , L0000373<br>, | , L0000374<br>, | , L0000375<br>, |  |
|          | L0000378<br>L0000384 | , L0000379<br>, L0000385 | , L0000380<br>, | , L0000381<br>, | , L0000382<br>, | , L0000383<br>, |  |
|          | L0000386<br>L0000392 | , L0000387<br>, L0000393 | , L0000388<br>, | , L0000389<br>, | , L0000390<br>, | , L0000391<br>, |  |
|          | L0000394<br>L0000400 | , L0000395<br>, L0000401 | , L0000396<br>, | , L0000397<br>, | , L0000398<br>, | , L0000399<br>, |  |
|          | L0000402<br>L0000408 | , L0000403<br>, L0000409 | , L0000404<br>, | , L0000405<br>, | , L0000406<br>, | , L0000407<br>, |  |
|          | L0000410<br>L0000416 | , L0000411<br>, L0000417 | , L0000412<br>, | , L0000413<br>, | , L0000414<br>, | , L0000415<br>, |  |
|          | L0000418<br>L0000424 | , L0000419<br>, L0000425 | , L0000420<br>, | , L0000421<br>, | , L0000422<br>, | , L0000423<br>, |  |
|          | L0000426<br>L0000432 | , L0000427<br>, L0000433 | , L0000428<br>, | , L0000429<br>, | , L0000430<br>, | , L0000431<br>, |  |
|          | L0000434<br>L0000508 | , L0000435<br>, L0000509 | , L0000436<br>, | , L0000437<br>, | , L0000438<br>, | , L0000439<br>, |  |
|          | L0000510<br>L0000516 | , L0000511<br>, L0000517 | , L0000512<br>, | , L0000513<br>, | , L0000514<br>, | , L0000515<br>, |  |
|          | L0000518<br>L0000524 | , L0000519<br>, L0000525 | , L0000520<br>, | , L0000521<br>, | , L0000522<br>, | , L0000523<br>, |  |

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

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

| URBAN ID | URBAN POP  | SOURCE IDs |            |            |            |       |       |
|----------|------------|------------|------------|------------|------------|-------|-------|
| -----    | -----      | -----      | -----      | -----      | -----      | ----- | ----- |
| L0000526 | , L0000527 | , L0000528 | , L0000529 | , L0000530 | , L0000531 | ,     |       |
| L0000532 | , L0000533 | ,          |            |            |            |       |       |
| L0000534 | , L0000535 | , L0000536 | , L0000537 | , L0000538 | , L0000539 | ,     |       |
| L0000540 | , L0000541 | ,          |            |            |            |       |       |
| L0000542 | , L0000543 | , L0000544 | , L0000545 | , L0000546 | , L0000547 | ,     |       |
| L0000548 | , L0000549 | ,          |            |            |            |       |       |
| L0000550 | , L0000551 | , L0000552 | , L0000553 | , L0000554 | , L0000555 | ,     |       |
| L0000556 | , L0000557 | ,          |            |            |            |       |       |
| L0000558 | , L0000559 | , L0000560 | , L0000561 | , L0000562 | , L0000563 | ,     |       |
| L0000564 | , L0000565 | ,          |            |            |            |       |       |
| L0000566 | , L0000567 | , L0000568 | , L0000569 | , L0000570 | , L0000571 | ,     |       |
| L0000572 | , L0000573 | ,          |            |            |            |       |       |
| L0000574 | , L0000575 | , L0000576 | , L0000577 | , L0000578 | , L0000579 | ,     |       |
| L0000580 | , L0000581 | ,          |            |            |            |       |       |
| L0000582 | , L0000583 | , L0000584 | , L0000585 | , L0000586 | , L0000587 | ,     |       |
| L0000588 | , L0000589 | ,          |            |            |            |       |       |
| L0000590 | , L0000591 | , L0000592 | , L0000593 | , L0000594 | , L0000821 | ,     |       |
| L0000822 | , L0000823 | ,          |            |            |            |       |       |
| L0000824 | , L0000825 | , L0000826 | , L0000827 | , L0000828 | , L0000829 | ,     |       |
| L0000830 | , L0000831 | ,          |            |            |            |       |       |
| L0000832 | , L0000833 | , L0000834 | , L0000835 | , L0000836 | , L0000837 | ,     |       |
| L0000838 | , L0000839 | ,          |            |            |            |       |       |
| L0000840 | , L0000841 | , L0000842 | , L0000843 | , L0000844 | , L0000845 | ,     |       |
| L0000846 | , L0000847 | ,          |            |            |            |       |       |
| L0000848 | , L0000849 | , L0000850 | , L0000851 | , L0000852 | , L0000853 | ,     |       |
| L0000854 | , L0000855 | ,          |            |            |            |       |       |
| L0000856 | , L0000857 | , L0000858 | , L0000859 | , L0000860 | , L0000861 | ,     |       |
| L0000862 | , L0000863 | ,          |            |            |            |       |       |
| L0000864 | , L0000865 | , L0000866 | , L0000867 | , L0000868 | , L0000869 | ,     |       |
| L0000870 | , L0000871 | ,          |            |            |            |       |       |
| L0000872 | , L0000873 | , L0000874 | , L0000875 | , L0000876 | , L0000877 | ,     |       |
| L0000878 | , L0000879 | ,          |            |            |            |       |       |
| L0000880 | , L0000881 | , L0000882 | , L0000883 | , L0000884 | , L0000885 | ,     |       |
| L0000886 | , L0000887 | ,          |            |            |            |       |       |
| L0000888 | , L0000889 | , L0000890 | , L0000891 | , L0000892 | , L0000893 | ,     |       |



L0000894 , L0000895 ,  
 L0000896 , L0000897 , L0000898 , L0000899 , L0000900 , L0000901 ,  
 L0000902 , L0000903 ,  
 L0000904 , L0000905 , L0000906 , L0000907 , L0000908 , L0000909 ,  
 L0000910 , L0000911 ,

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

| URBAN ID | URBAN POP | SOURCE IDs |          |          |          |       |       |
|----------|-----------|------------|----------|----------|----------|-------|-------|
| -----    | -----     | -----      | -----    | -----    | -----    | ----- | ----- |
| L0000912 | L0000913  | L0000914   | L0000915 | L0000916 | L0000917 |       |       |
| L0000918 | L0000919  |            |          |          |          |       |       |
| L0000920 | L0000921  | L0000922   | L0000923 | L0000924 | L0000925 |       |       |
| L0000926 | L0000927  |            |          |          |          |       |       |
| L0000928 | L0000929  | L0000930   | L0000931 | L0000932 | L0000933 |       |       |
| L0000934 | L0000935  |            |          |          |          |       |       |
| L0000936 | L0000937  | L0000938   | L0000939 | L0000940 | L0000941 |       |       |
| L0000942 | L0000943  |            |          |          |          |       |       |
| L0000944 | L0000945  | L0000946   | L0000947 | L0000948 | L0000949 |       |       |
| L0000950 | L0000951  |            |          |          |          |       |       |
| L0000952 | L0000953  | L0000954   | L0000955 | L0000956 | L0000957 |       |       |
| L0000958 | L0000959  |            |          |          |          |       |       |
| L0000960 | L0000961  | L0000962   | L0000963 | L0000964 | L0000965 |       |       |
| L0000966 | L0000967  |            |          |          |          |       |       |
| L0000968 | L0000969  | L0000970   | L0000971 | L0000972 | L0000973 |       |       |
| L0000974 | L0000975  |            |          |          |          |       |       |
| L0000976 | L0000977  | L0000978   | L0000979 | L0000980 | L0000981 |       |       |
| L0000982 | L0000983  |            |          |          |          |       |       |
| L0000984 | L0000985  | L0000986   | L0000987 | L0000988 | L0000989 |       |       |
| L0000990 | L0000991  |            |          |          |          |       |       |
| L0000992 | L0000993  | L0000994   | L0000995 | L0000996 | L0000997 |       |       |
| L0000998 | L0000999  |            |          |          |          |       |       |
| L0001000 | L0001001  | L0001002   | L0001003 | L0001004 | L0001005 |       |       |
| L0001006 | L0001007  |            |          |          |          |       |       |
| L0001008 | L0001009  | L0001010   | L0001011 | L0001012 | L0001013 |       |       |
| L0001014 | L0001015  |            |          |          |          |       |       |
| L0001016 | L0001017  | L0001018   | L0001019 | L0001020 | L0001021 |       |       |
| L0001022 | L0001023  |            |          |          |          |       |       |
| L0001024 | L0001025  | L0001026   | L0001027 | L0001028 | L0001029 |       |       |
| L0001030 | L0001031  |            |          |          |          |       |       |

L0001032 , L0001033 , L0001034 , L0001035 , L0001036 , L0001037 ,  
L0001038 , L0001039 ,  
  
L0001040 , L0001041 , L0001042 , L0001043 , L0001044 , L0001045 ,  
L0001046 ,

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

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

( 458077.7, 3768585.6, 318.0, 675.0, 0.0); ( 458076.8, 3768447.5,  
316.4, 675.0, 0.0);  
( 458666.0, 3768633.6, 321.0, 675.0, 0.0); ( 458677.8, 3768633.4,  
321.0, 675.0, 0.0);  
( 458686.0, 3768633.2, 321.1, 675.0, 0.0); ( 458697.7, 3768633.4,  
321.3, 675.0, 0.0);  
( 458706.6, 3768633.0, 321.5, 675.0, 0.0); ( 458714.2, 3768632.8,  
321.6, 675.0, 0.0);  
( 458724.4, 3768632.8, 321.6, 675.0, 0.0); ( 458733.1, 3768633.0,  
321.6, 675.0, 0.0);  
( 458740.8, 3768633.0, 321.6, 675.0, 0.0); ( 458748.2, 3768632.7,  
321.5, 675.0, 0.0);  
( 458755.7, 3768633.2, 321.6, 675.0, 0.0); ( 458764.0, 3768633.2,  
321.6, 675.0, 0.0);  
( 458772.4, 3768633.0, 321.6, 675.0, 0.0); ( 458619.2, 3768664.4,  
321.0, 675.0, 0.0);  
( 458650.0, 3768659.3, 321.4, 675.0, 0.0); ( 458424.3, 3768721.5,  
321.0, 675.0, 0.0);  
( 458463.6, 3768726.9, 321.6, 675.0, 0.0); ( 458647.7, 3768727.2,  
322.0, 675.0, 0.0);  
( 458951.4, 3768586.9, 322.0, 675.0, 0.0); ( 458904.8, 3768651.1,  
322.0, 675.0, 0.0);  
( 458104.5, 3768692.3, 319.0, 675.0, 0.0); ( 458060.5, 3768685.9,  
319.0, 675.0, 0.0);  
( 458087.6, 3768753.9, 320.0, 675.0, 0.0); ( 459010.0, 3768580.3,  
321.8, 675.0, 0.0);  
( 459010.0, 3768557.3, 321.0, 675.0, 0.0); ( 459009.7, 3768532.6,  
321.0, 675.0, 0.0);  
( 459010.5, 3768507.3, 321.0, 675.0, 0.0); ( 459009.2, 3768473.7,  
321.0, 675.0, 0.0);  
( 458226.2, 3768405.1, 317.0, 675.0, 0.0); ( 458341.5, 3768404.6,  
317.0, 675.0, 0.0);  
( 458549.7, 3768405.1, 318.0, 675.0, 0.0); ( 458608.0, 3768382.1,  
318.0, 675.0, 0.0);  
( 458791.0, 3768382.1, 319.0, 675.0, 0.0); ( 458969.9, 3768380.8,  
319.7, 675.0, 0.0);  
( 458096.2, 3768381.4, 316.0, 675.0, 0.0); ( 459010.0, 3768621.6,  
322.0, 675.0, 0.0);  
( 459010.0, 3768655.9, 322.0, 675.0, 0.0); ( 458829.6, 3768698.1,  
322.7, 675.0, 0.0);  
( 458491.1, 3768733.6, 321.9, 675.0, 0.0); ( 458104.0, 3768841.1,  
321.0, 675.0, 0.0);  
( 458135.7, 3768854.7, 321.0, 675.0, 0.0); ( 458135.7, 3768930.7,  
322.0, 675.0, 0.0);  
( 458102.9, 3768919.0, 322.0, 675.0, 0.0); ( 458108.3, 3768970.8,  
322.8, 675.0, 0.0);  
( 458101.5, 3769046.6, 323.3, 675.0, 0.0); ( 458105.8, 3769080.2,  
324.0, 675.0, 0.0);

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( 458104.5, 3769125.0, 324.0, 675.0, 0.0); ( 458104.0, 3769186.9,
325.0, 675.0, 0.0);
( 458082.0, 3769302.2, 326.8, 663.0, 0.0); ( 458154.2, 3769315.8,
327.3, 663.0, 0.0);
( 458102.6, 3769327.2, 327.5, 327.5, 0.0); ( 458093.9, 3769360.3,
328.4, 328.4, 0.0);
( 458169.6, 3769469.7, 329.0, 337.0, 0.0); ( 458104.0, 3769416.8,
328.9, 328.9, 0.0);
( 458099.6, 3769464.6, 329.2, 337.0, 0.0); ( 458602.7, 3768842.0,
323.0, 675.0, 0.0);
( 458639.1, 3768842.0, 323.0, 675.0, 0.0); ( 458661.6, 3768842.0,
323.2, 675.0, 0.0);
( 458686.1, 3768841.4, 323.6, 675.0, 0.0); ( 458713.0, 3768842.8,
324.0, 675.0, 0.0);
( 458736.9, 3768842.5, 324.0, 675.0, 0.0); ( 458760.2, 3768842.5,
324.0, 675.0, 0.0);
( 458783.3, 3768842.5, 324.0, 675.0, 0.0); ( 458810.5, 3768841.7,
324.0, 675.0, 0.0);
( 458903.6, 3768834.7, 324.1, 675.0, 0.0); ( 459010.2, 3768679.1,
322.1, 675.0, 0.0);
( 459011.4, 3768704.6, 322.9, 675.0, 0.0); ( 459010.7, 3768730.9,
323.0, 675.0, 0.0);
( 459011.0, 3768769.1, 323.1, 675.0, 0.0); ( 459011.5, 3768809.0,
324.0, 675.0, 0.0);
( 459011.5, 3768836.4, 324.3, 675.0, 0.0); ( 458381.4, 3768778.6,
322.0, 675.0, 0.0);
( 458566.1, 3767641.8, 311.0, 675.0, 0.0); ( 458568.3, 3768185.7,
316.0, 675.0, 0.0);
( 458735.5, 3768109.3, 316.0, 675.0, 0.0); ( 458547.3, 3768266.8,
316.7, 675.0, 0.0);
( 458609.0, 3768239.5, 316.8, 675.0, 0.0); ( 458585.1, 3767570.1,
311.0, 675.0, 0.0);
( 458735.9, 3767728.0, 312.9, 675.0, 0.0); ( 458602.0, 3767570.7,
311.0, 675.0, 0.0);
( 458618.6, 3767570.9, 311.0, 675.0, 0.0); ( 458635.2, 3767571.6,
311.5, 675.0, 0.0);
( 458649.6, 3767571.8, 312.0, 675.0, 0.0); ( 458665.7, 3767570.9,
312.0, 675.0, 0.0);
( 458681.5, 3767570.9, 312.0, 675.0, 0.0); ( 458696.8, 3767570.7,
312.0, 675.0, 0.0);
( 458711.8, 3767571.3, 312.0, 675.0, 0.0); ( 458728.4, 3767572.2,
312.0, 675.0, 0.0);

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

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( 458745.1, 3767572.2, 312.0, 675.0, 0.0); ( 458759.5, 3767572.1,
312.0, 675.0, 0.0);
( 458776.3, 3767572.1, 312.0, 675.0, 0.0); ( 458555.3, 3767571.9,
311.0, 675.0, 0.0);
( 458537.9, 3767571.0, 311.0, 675.0, 0.0); ( 458517.4, 3767570.2,
311.0, 675.0, 0.0);
( 458470.5, 3767571.0, 310.0, 675.0, 0.0); ( 458461.8, 3767570.9,
310.0, 675.0, 0.0);
( 458430.6, 3767570.2, 310.0, 675.0, 0.0); ( 458400.0, 3767570.5,
310.0, 675.0, 0.0);
( 458374.0, 3767569.8, 310.0, 675.0, 0.0); ( 458356.4, 3767570.0,
310.0, 675.0, 0.0);

```





|          |      |       |       |        |        |       |      |       |      |      |      |      |  |  |
|----------|------|-------|-------|--------|--------|-------|------|-------|------|------|------|------|--|--|
| 67.      | 9.1  | 277.5 | 5.5   |        |        |       |      |       |      |      |      |      |  |  |
| 11 01 01 | 1 10 | 122.7 | 0.264 | 0.952  | 0.005  | 247.  | 326. | -13.2 | 0.25 | 2.82 | 0.25 | 1.80 |  |  |
| 83.      | 9.1  | 279.9 | 5.5   |        |        |       |      |       |      |      |      |      |  |  |
| 11 01 01 | 1 11 | 179.8 | 0.316 | 1.733  | 0.005  | 1017. | 426. | -15.4 | 0.25 | 2.82 | 0.22 | 2.20 |  |  |
| 58.      | 9.1  | 282.0 | 5.5   |        |        |       |      |       |      |      |      |      |  |  |
| 11 01 01 | 1 12 | 206.0 | 0.320 | 1.940  | 0.008  | 1244. | 435. | -14.0 | 0.25 | 2.82 | 0.21 | 2.20 |  |  |
| 115.     | 9.1  | 283.1 | 5.5   |        |        |       |      |       |      |      |      |      |  |  |
| 11 01 01 | 1 13 | 132.6 | 0.214 | 1.733  | 0.009  | 1377. | 243. | -6.5  | 0.25 | 2.82 | 0.21 | 1.30 |  |  |
| 147.     | 9.1  | 284.2 | 5.5   |        |        |       |      |       |      |      |      |      |  |  |
| 11 01 01 | 1 14 | 147.0 | 0.216 | 1.818  | 0.009  | 1431. | 242. | -6.0  | 0.25 | 2.82 | 0.23 | 1.30 |  |  |
| 219.     | 9.1  | 284.9 | 5.5   |        |        |       |      |       |      |      |      |      |  |  |
| 11 01 01 | 1 15 | 104.0 | 0.208 | 1.633  | 0.009  | 1468. | 228. | -7.6  | 0.25 | 2.82 | 0.26 | 1.30 |  |  |
| 126.     | 9.1  | 285.4 | 5.5   |        |        |       |      |       |      |      |      |      |  |  |
| 11 01 01 | 1 16 | 26.4  | 0.140 | 1.037  | 0.009  | 1477. | 127. | -9.1  | 0.25 | 2.82 | 0.35 | 0.90 |  |  |
| 151.     | 9.1  | 284.9 | 5.5   |        |        |       |      |       |      |      |      |      |  |  |
| 11 01 01 | 1 17 | -9.0  | 0.137 | -9.000 | -9.000 | -999. | 121. | 24.9  | 0.25 | 2.82 | 0.63 | 1.30 |  |  |
| 69.      | 9.1  | 283.1 | 5.5   |        |        |       |      |       |      |      |      |      |  |  |
| 11 01 01 | 1 18 | -33.4 | 0.342 | -9.000 | -9.000 | -999. | 481. | 129.0 | 0.25 | 2.82 | 1.00 | 3.10 |  |  |
| 81.      | 9.1  | 281.4 | 5.5   |        |        |       |      |       |      |      |      |      |  |  |
| 11 01 01 | 1 19 | -33.6 | 0.342 | -9.000 | -9.000 | -999. | 481. | 128.9 | 0.25 | 2.82 | 1.00 | 3.10 |  |  |
| 51.      | 9.1  | 279.9 | 5.5   |        |        |       |      |       |      |      |      |      |  |  |
| 11 01 01 | 1 20 | -23.6 | 0.239 | -9.000 | -9.000 | -999. | 287. | 63.1  | 0.25 | 2.82 | 1.00 | 2.20 |  |  |
| 77.      | 9.1  | 278.8 | 5.5   |        |        |       |      |       |      |      |      |      |  |  |
| 11 01 01 | 1 21 | -18.5 | 0.194 | -9.000 | -9.000 | -999. | 205. | 41.2  | 0.25 | 2.82 | 1.00 | 1.80 |  |  |
| 53.      | 9.1  | 277.5 | 5.5   |        |        |       |      |       |      |      |      |      |  |  |
| 11 01 01 | 1 22 | -23.7 | 0.239 | -9.000 | -9.000 | -999. | 281. | 63.0  | 0.25 | 2.82 | 1.00 | 2.20 |  |  |
| 58.      | 9.1  | 277.5 | 5.5   |        |        |       |      |       |      |      |      |      |  |  |
| 11 01 01 | 1 23 | -18.5 | 0.194 | -9.000 | -9.000 | -999. | 205. | 41.2  | 0.25 | 2.82 | 1.00 | 1.80 |  |  |
| 64.      | 9.1  | 277.5 | 5.5   |        |        |       |      |       |      |      |      |      |  |  |
| 11 01 01 | 1 24 | -4.5  | 0.094 | -9.000 | -9.000 | -999. | 74.  | 16.3  | 0.25 | 2.82 | 1.00 | 0.90 |  |  |
| 52.      | 9.1  | 277.0 | 5.5   |        |        |       |      |       |      |      |      |      |  |  |

First hour of profile data

| YR | MO | DY | HR | HEIGHT | F | WDIR  | WSPD   | AMB    | TMP  | sigmaA | sigmaW | sigmaV |
|----|----|----|----|--------|---|-------|--------|--------|------|--------|--------|--------|
| 11 | 01 | 01 | 01 | 5.5    | 0 | -999. | -99.00 | 276.5  | 99.0 | -99.00 | -99.00 | -99.00 |
| 11 | 01 | 01 | 01 | 9.1    | 1 | 69.   | 1.80   | -999.0 | 99.0 | -99.00 | -99.00 | -99.00 |

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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL \*\*\*

INCLUDING SOURCE(S): L0000298 , L0000299 ,  
 L0000300 , L0000301 , L0000302 ,  
 L0000303 , L0000304 , L0000305 , L0000306 , L0000307 ,  
 L0000308 , L0000309 , L0000310 ,  
 L0000311 , L0000312 , L0000313 , L0000314 , L0000315 ,  
 L0000316 , L0000317 , L0000318 ,  
 L0000319 , L0000320 , L0000321 , L0000322 , L0000323 ,  
 L0000324 , L0000325 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

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

X-COORD (M) Y-COORD (M) CONC X-COORD (M) Y-COORD (M)  
 (M) CONC

|            |            |         |           |
|------------|------------|---------|-----------|
| 458077.72  | 3768585.64 | 0.00126 | 458076.78 |
| 3768447.46 | 0.00111    |         |           |
| 458666.04  | 3768633.62 | 0.00295 | 458677.83 |
| 3768633.43 | 0.00307    |         |           |
| 458685.95  | 3768633.24 | 0.00318 | 458697.74 |
| 3768633.43 | 0.00333    |         |           |
| 458706.63  | 3768633.04 | 0.00354 | 458714.17 |
| 3768632.85 | 0.00375    |         |           |
| 458724.42  | 3768632.85 | 0.00405 | 458733.12 |
| 3768633.04 | 0.00425    |         |           |
| 458740.85  | 3768633.04 | 0.00434 | 458748.20 |
| 3768632.66 | 0.00430    |         |           |
| 458755.74  | 3768633.24 | 0.00389 | 458764.05 |
| 3768633.24 | 0.00343    |         |           |
| 458772.37  | 3768633.04 | 0.00300 | 458619.25 |
| 3768664.36 | 0.00154    |         |           |
| 458649.99  | 3768659.34 | 0.00170 | 458424.30 |
| 3768721.54 | 0.00102    |         |           |
| 458463.64  | 3768726.89 | 0.00099 | 458647.74 |
| 3768727.16 | 0.00092    |         |           |
| 458951.42  | 3768586.90 | 0.00058 | 458904.83 |
| 3768651.12 | 0.00072    |         |           |
| 458104.54  | 3768692.32 | 0.00211 | 458060.49 |
| 3768685.89 | 0.00096    |         |           |
| 458087.56  | 3768753.89 | 0.00129 | 459010.00 |
| 3768580.34 | 0.00043    |         |           |
| 459010.00  | 3768557.27 | 0.00042 | 459009.73 |
| 3768532.58 | 0.00041    |         |           |
| 459010.54  | 3768507.34 | 0.00040 | 459009.19 |
| 3768473.68 | 0.00038    |         |           |
| 458226.19  | 3768405.09 | 0.00123 | 458341.52 |
| 3768404.64 | 0.00112    |         |           |
| 458549.66  | 3768405.09 | 0.00136 | 458608.00 |
| 3768382.11 | 0.00181    |         |           |
| 458790.95  | 3768382.11 | 0.00077 | 458969.92 |
| 3768380.78 | 0.00037    |         |           |
| 458096.19  | 3768381.39 | 0.00144 | 459010.03 |
| 3768621.56 | 0.00043    |         |           |
| 459010.03  | 3768655.93 | 0.00042 | 458829.62 |
| 3768698.15 | 0.00085    |         |           |
| 458491.15  | 3768733.56 | 0.00094 | 458103.95 |
| 3768841.09 | 0.00176    |         |           |
| 458135.71  | 3768854.66 | 0.00170 | 458135.71 |
| 3768930.66 | 0.00166    |         |           |
| 458102.87  | 3768918.99 | 0.00161 | 458108.29 |
| 3768970.83 | 0.00186    |         |           |
| 458101.51  | 3769046.56 | 0.00141 | 458105.85 |
| 3769080.22 | 0.00159    |         |           |
| 458104.49  | 3769125.01 | 0.00147 | 458103.95 |
| 3769186.89 | 0.00140    |         |           |
| 458081.97  | 3769302.25 | 0.00081 | 458154.17 |
| 3769315.82 | 0.00131    |         |           |
| 458102.59  | 3769327.22 | 0.00124 | 458093.91 |
| 3769360.34 | 0.00097    |         |           |
| 458169.64  | 3769469.73 | 0.00101 | 458103.95 |
| 3769416.80 | 0.00113    |         |           |
| 458099.61  | 3769464.57 | 0.00092 | 458602.73 |
| 3768842.00 | 0.00051    |         |           |
| 458639.12  | 3768842.00 | 0.00051 | 458661.65 |
| 3768842.00 | 0.00051    |         |           |
| 458686.09  | 3768841.45 | 0.00050 | 458712.97 |
| 3768842.81 | 0.00049    |         |           |
| 458736.86  | 3768842.54 | 0.00048 | 458760.22 |
| 3768842.54 | 0.00047    |         |           |
| 458783.30  | 3768842.54 | 0.00045 | 458810.45 |







9TH HIGHEST VALUE IS 0.00333 AT ( 458697.74, 3768633.43, 321.34,  
675.00, 0.00) DC  
10TH HIGHEST VALUE IS 0.00318 AT ( 458685.95, 3768633.24, 321.12,  
675.00, 0.00) DC

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

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\14581 Oleander and  
Santa Ana\14 \*\*\* 12/02/22

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\* \*\*\* 09:14:25

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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 7 Warning Message(s)  
A Total of 838 Informational Message(s)  
  
A Total of 43848 Hours Were Processed  
  
A Total of 40 Calm Hours Identified  
  
A Total of 798 Missing Hours Identified ( 1.82 Percent)

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*

\*\*\* NONE \*\*\*

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*

ME W186 1152 MEOPEN: THRESH\_1MIN 1-min ASOS wind speed threshold used 0.50  
ME W187 1152 MEOPEN: ADJ\_U\* Option for Stable Low Winds used in AERMET  
MX W438 8800 METQA: Convective Velocity Data Out-of-Range. KURDAT = 12010216  
MX W438 11536 METQA: Convective Velocity Data Out-of-Range. KURDAT = 12042516  
MX W420 16779 METQA: Wind Speed Out-of-Range. KURDAT = 12113003  
MX W450 26305 CHKDAT: Record Out of Sequence in Meteorological File at: 15010101  
MX W450 26305 CHKDAT: Record Out of Sequence in Meteorological File at: 1 year gap

\*\*\*\*\*

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

\*\*\*\*\*

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**APPENDIX 2.4:**  
**RISK CALCULATIONS**

**Table 1**  
**Quantification of Carcinogenic Risks and Noncarcinogenic Hazards**  
**0-2 Age Bin Exposure Scenario - Construction Activity**

| Source<br>(a) | Mass GLC                    |                             | Weight<br>Fraction<br>(d) | Contaminant<br>(e) | Carcinogenic Risk                                |                                         |                            |             | Noncarcinogenic Hazards/ Toxicological Endpoints**              |                           |             |                |              |              |             |              |              |             |
|---------------|-----------------------------|-----------------------------|---------------------------|--------------------|--------------------------------------------------|-----------------------------------------|----------------------------|-------------|-----------------------------------------------------------------|---------------------------|-------------|----------------|--------------|--------------|-------------|--------------|--------------|-------------|
|               | (ug/m <sup>3</sup> )<br>(b) | (mg/m <sup>3</sup> )<br>(c) |                           |                    | URF<br>(ug/m <sup>3</sup> ) <sup>-1</sup><br>(f) | CPF<br>(mg/kg/day) <sup>-1</sup><br>(g) | DOSE<br>(mg/kg-day)<br>(h) | RISK<br>(i) | REL<br>(ug/m <sup>3</sup> )<br>(j)                              | RfD<br>(mg/kg/day)<br>(k) | RESP<br>(l) | CNS/PNS<br>(m) | CV/BL<br>(n) | IMMUN<br>(o) | KIDN<br>(p) | GI/LV<br>(q) | REPRO<br>(r) | EYES<br>(s) |
|               | 0.00861                     | 8.61E-06                    |                           |                    | 1.00E+00                                         | Diesel Particulate                      | 3.0E-04                    | 1.1E+00     | 6.7E-06                                                         | 1.2E-06                   | 5.0E+00     | 1.4E-03        | 1.7E-03      |              |             |              |              |             |
| TOTAL         |                             |                             |                           |                    | 1.2E-06                                          |                                         |                            |             | 1.7E-03 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 |                           |             |                |              |              |             |              |              |             |

1.24

\*\* Key to Toxicological Endpoints

|         |                                                                  |
|---------|------------------------------------------------------------------|
| RESP    | Respiratory System                                               |
| CNS/PNS | Central/Peripheral Nervous System                                |
| CV/BL   | Cardiovascular/Blood System                                      |
| IMMUN   | Immune System                                                    |
| KIDN    | Kidney                                                           |
| GI/LV   | Gastrointestinal System/Liver                                    |
| REPRO   | Reproductive System (e.g. teratogenic and developmental effects) |
| EYES    | Eye irritation and/or other effects                              |

Note: Exposure factors used to calculate contaminant intake

|                                           |      |
|-------------------------------------------|------|
| exposure frequency (days/year)            | 260  |
| exposure duration (years)                 | 1.46 |
| inhalation rate (L/kg-day)                | 1090 |
| inhalation absorption factor              | 1    |
| averaging time (years)                    | 70   |
| fraction of time at home                  | 0.85 |
| age sensitivity factor (0 to 2 years old) | 10   |

**Table 1**  
**Quantification of Carcinogenic Risks and Noncarcinogenic Hazards**  
**0-2 Age Bin Exposure Scenario - Construction Activity (Cumulative)**

| Source<br>(a) | Mass GLC                    |                             | Weight<br>Fraction<br>(d) | Contaminant<br>(e) | Carcinogenic Risk                                |                                         |                            |             | Noncarcinogenic Hazards/ Toxicological Endpoints**              |                           |             |                |              |              |             |              |              |             |
|---------------|-----------------------------|-----------------------------|---------------------------|--------------------|--------------------------------------------------|-----------------------------------------|----------------------------|-------------|-----------------------------------------------------------------|---------------------------|-------------|----------------|--------------|--------------|-------------|--------------|--------------|-------------|
|               | (ug/m <sup>3</sup> )<br>(b) | (mg/m <sup>3</sup> )<br>(c) |                           |                    | URF<br>(ug/m <sup>3</sup> ) <sup>-1</sup><br>(f) | CPF<br>(mg/kg/day) <sup>-1</sup><br>(g) | DOSE<br>(mg/kg-day)<br>(h) | RISK<br>(i) | REL<br>(ug/m <sup>3</sup> )<br>(j)                              | RfD<br>(mg/kg/day)<br>(k) | RESP<br>(l) | CNS/PNS<br>(m) | CV/BL<br>(n) | IMMUN<br>(o) | KIDN<br>(p) | GI/LV<br>(q) | REPRO<br>(r) | EYES<br>(s) |
|               |                             | 0.00764                     |                           |                    | 7.64E-06                                         | 1.00E+00                                | Diesel Particulate         | 3.0E-04     | 1.1E+00                                                         | 5.9E-06                   | 1.1E-06     | 5.0E+00        | 1.4E-03      | 1.5E-03      |             |              |              |             |
| TOTAL         |                             |                             |                           |                    | 1.1E-06                                          |                                         |                            |             | 1.5E-03 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 |                           |             |                |              |              |             |              |              |             |

1.10

\*\* Key to Toxicological Endpoints

|         |                                                                  |
|---------|------------------------------------------------------------------|
| RESP    | Respiratory System                                               |
| CNS/PNS | Central/Peripheral Nervous System                                |
| CV/BL   | Cardiovascular/Blood System                                      |
| IMMUN   | Immune System                                                    |
| KIDN    | Kidney                                                           |
| GI/LV   | Gastrointestinal System/Liver                                    |
| REPRO   | Reproductive System (e.g. teratogenic and developmental effects) |
| EYES    | Eye irritation and/or other effects                              |

Note: Exposure factors used to calculate contaminant intake

|                                           |      |
|-------------------------------------------|------|
| exposure frequency (days/year)            | 260  |
| exposure duration (years)                 | 1.46 |
| inhalation rate (L/kg-day)                | 1090 |
| inhalation absorption factor              | 1    |
| averaging time (years)                    | 70   |
| fraction of time at home                  | 0.85 |
| age sensitivity factor (0 to 2 years old) | 10   |

**Table 3**  
**Quantification of Carcinogenic Risks and Noncarcinogenic Hazards**  
**2-16 Age Bin Exposure Scenario**

| Source<br>(a) | Mass GLC                    |                             | Weight<br>Fraction<br>(d) | Contaminant<br>(e) | Carcinogenic Risk                                |                                         |                            |             | Noncarcinogenic Hazards/ Toxicological Endpoints**              |                           |             |                |              |              |             |              |              |             |
|---------------|-----------------------------|-----------------------------|---------------------------|--------------------|--------------------------------------------------|-----------------------------------------|----------------------------|-------------|-----------------------------------------------------------------|---------------------------|-------------|----------------|--------------|--------------|-------------|--------------|--------------|-------------|
|               | (ug/m <sup>3</sup> )<br>(b) | (mg/m <sup>3</sup> )<br>(c) |                           |                    | URF<br>(ug/m <sup>3</sup> ) <sup>-1</sup><br>(f) | CPF<br>(mg/kg/day) <sup>-1</sup><br>(g) | DOSE<br>(mg/kg-day)<br>(h) | RISK<br>(i) | REL<br>(ug/m <sup>3</sup> )<br>(j)                              | RfD<br>(mg/kg/day)<br>(k) | RESP<br>(l) | CNS/PNS<br>(m) | CV/BL<br>(n) | IMMUN<br>(o) | KIDN<br>(p) | GI/LV<br>(q) | REPRO<br>(r) | EYES<br>(s) |
|               | 0.00211                     | 2.11E-06                    |                           |                    | 1.00E+00                                         | Diesel Particulate                      | 3.0E-04                    | 1.1E+00     | 1.2E-06                                                         | 5.0E-07                   | 5.0E+00     | 1.4E-03        | 4.2E-04      |              |             |              |              |             |
| TOTAL         |                             |                             |                           |                    | 5.0E-07                                          |                                         |                            |             | 4.2E-04 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 |                           |             |                |              |              |             |              |              |             |

0.50

\*\* Key to Toxicological Endpoints

RESP            Respiratory System  
CNS/PNS        Central/Peripheral Nervous System  
CV/BL          Cardiovascular/Blood System  
IMMUN         Immune System  
KIDN            Kidney  
GI/LV          Gastrointestinal System/Liver  
REPRO         Reproductive System (e.g. teratogenic and developmental effects)  
EYES            Eye irritation and/or other effects

Note:            Exposure factors used to calculate contaminant intake

exposure frequency (days/year)            350  
exposure duration (years)                    13.23  
inhalation rate (L/kg-day)                    572  
inhalation absorption factor                    1  
averaging time (years)                        70  
fraction of time at home                      0.72  
age sensitivity factor (ages 2 to 16 years)    3





**Table 1**  
**Quantification of Carcinogenic Risks and Noncarcinogenic Hazards**  
**-0.25 to 0 Age Bin Exposure Scenario**

| Source<br>(a) | Mass GLC                    |                             | Weight<br>Fraction<br>(d) | Contaminant<br>(e) | Carcinogenic Risk                                |                                         |                            |             | Noncarcinogenic Hazards/ Toxicological Endpoints** |                           |             |                |              |              |             |              |              |             |
|---------------|-----------------------------|-----------------------------|---------------------------|--------------------|--------------------------------------------------|-----------------------------------------|----------------------------|-------------|----------------------------------------------------|---------------------------|-------------|----------------|--------------|--------------|-------------|--------------|--------------|-------------|
|               | (ug/m <sup>3</sup> )<br>(b) | (mg/m <sup>3</sup> )<br>(c) |                           |                    | URF<br>(ug/m <sup>3</sup> ) <sup>-1</sup><br>(f) | CPF<br>(mg/kg/day) <sup>-1</sup><br>(g) | DOSE<br>(mg/kg-day)<br>(h) | RISK<br>(i) | REL<br>(ug/m <sup>3</sup> )<br>(j)                 | RfD<br>(mg/kg/day)<br>(k) | RESP<br>(l) | CNS/PNS<br>(m) | CV/BL<br>(n) | IMMUN<br>(o) | KIDN<br>(p) | GI/LV<br>(q) | REPRO<br>(r) | EYES<br>(s) |
|               |                             | 0.00211                     |                           |                    | 2.11E-06                                         | 1.00E+00                                | Diesel Particulate         | 3.0E-04     | 1.1E+00                                            | 7.3E-07                   | 2.3E-08     | 5.0E+00        | 1.4E-03      | 4.2E-04      |             |              |              |             |
| <b>TOTAL</b>  |                             |                             |                           |                    | 2.3E-08                                          |                                         |                            |             | 4.2E-04                                            | 0.0E+00                   | 0.0E+00     | 0.0E+00        | 0.0E+00      | 0.0E+00      | 0.0E+00     | 0.0E+00      | 0.0E+00      |             |

\*\* Key to Toxicological Endpoints

RESP            Respiratory System  
CNS/PNS        Central/Peripheral Nervous System  
CV/BL          Cardiovascular/Blood System  
IMMUN         Immune System  
KIDN            Kidney  
GI/LV          Gastrointestinal System/Liver  
REPRO         Reproductive System (e.g. teratogenic and developmental effects)  
EYES            Eye irritation and/or other effects

Note:            Exposure factors used to calculate contaminant intake

|                                              |      |
|----------------------------------------------|------|
| exposure frequency (days/year)               | 350  |
| exposure duration (years)                    | 0.25 |
| inhalation rate (L/kg-day)                   | 361  |
| inhalation absorption factor                 | 1    |
| averaging time (years)                       | 70   |
| fraction of time at home                     | 0.85 |
| age sensitivity factor (age third trimester) | 10   |

**Table 2**  
**Quantification of Carcinogenic Risks and Noncarcinogenic Hazards**  
**0-2 Age Bin Exposure Scenario**

| Source<br>(a) | Mass GLC                    |                             | Weight<br>Fraction<br>(d) | Contaminant<br>(e) | Carcinogenic Risk                                |                                         |                            |             | Noncarcinogenic Hazards/ Toxicological Endpoints** |                           |             |                |              |              |             |              |              |             |         |
|---------------|-----------------------------|-----------------------------|---------------------------|--------------------|--------------------------------------------------|-----------------------------------------|----------------------------|-------------|----------------------------------------------------|---------------------------|-------------|----------------|--------------|--------------|-------------|--------------|--------------|-------------|---------|
|               | (ug/m <sup>3</sup> )<br>(b) | (mg/m <sup>3</sup> )<br>(c) |                           |                    | URF<br>(ug/m <sup>3</sup> ) <sup>-1</sup><br>(f) | CPF<br>(mg/kg/day) <sup>-1</sup><br>(g) | DOSE<br>(mg/kg-day)<br>(h) | RISK<br>(i) | REL<br>(ug/m <sup>3</sup> )<br>(j)                 | RfD<br>(mg/kg/day)<br>(k) | RESP<br>(l) | CNS/PNS<br>(m) | CV/BL<br>(n) | IMMUN<br>(o) | KIDN<br>(p) | GI/LV<br>(q) | REPRO<br>(r) | EYES<br>(s) |         |
|               |                             | 0.00211                     |                           |                    | 2.11E-06                                         | 1.00E+00                                | Diesel Particulate         | 3.0E-04     | 1.1E+00                                            | 2.2E-06                   | 5.6E-07     | 5.0E+00        | 1.4E-03      | 4.2E-04      |             |              |              |             |         |
| TOTAL         |                             |                             |                           |                    |                                                  |                                         |                            | 5.6E-07     |                                                    |                           | 4.2E-04     | 0.0E+00        | 0.0E+00      | 0.0E+00      | 0.0E+00     | 0.0E+00      | 0.0E+00      | 0.0E+00     | 0.0E+00 |

\*\* Key to Toxicological Endpoints

RESP            Respiratory System  
CNS/PNS        Central/Peripheral Nervous System  
CV/BL          Cardiovascular/Blood System  
IMMUN         Immune System  
KIDN            Kidney  
GI/LV          Gastrointestinal System/Liver  
REPRO         Reproductive System (e.g. teratogenic and developmental effects)  
EYES          Eye irritation and/or other effects

Note:            Exposure factors used to calculate contaminant intake

|                                           |      |
|-------------------------------------------|------|
| exposure frequency (days/year)            | 350  |
| exposure duration (years)                 | 2    |
| inhalation rate (L/kg-day)                | 1090 |
| inhalation absorption factor              | 1    |
| averaging time (years)                    | 70   |
| fraction of time at home                  | 0.85 |
| age sensitivity factor (0 to 2 years old) | 10   |

**Table 3**  
**Quantification of Carcinogenic Risks and Noncarcinogenic Hazards**  
**2-16 Age Bin Exposure Scenario**

| Source<br>(a) | Mass GLC                    |                             | Weight<br>Fraction<br>(d) | Contaminant<br>(e) | Carcinogenic Risk                                |                                         |                            |             | Noncarcinogenic Hazards/ Toxicological Endpoints** |                           |             |                |              |              |             |              |              |             |
|---------------|-----------------------------|-----------------------------|---------------------------|--------------------|--------------------------------------------------|-----------------------------------------|----------------------------|-------------|----------------------------------------------------|---------------------------|-------------|----------------|--------------|--------------|-------------|--------------|--------------|-------------|
|               | (ug/m <sup>3</sup> )<br>(b) | (mg/m <sup>3</sup> )<br>(c) |                           |                    | URF<br>(ug/m <sup>3</sup> ) <sup>-1</sup><br>(f) | CPF<br>(mg/kg/day) <sup>-1</sup><br>(g) | DOSE<br>(mg/kg-day)<br>(h) | RISK<br>(i) | REL<br>(ug/m <sup>3</sup> )<br>(j)                 | RfD<br>(mg/kg/day)<br>(k) | RESP<br>(l) | CNS/PNS<br>(m) | CV/BL<br>(n) | IMMUN<br>(o) | KIDN<br>(p) | GI/LV<br>(q) | REPRO<br>(r) | EYES<br>(s) |
|               |                             | 0.00211                     |                           |                    | 2.11E-06                                         | 1.00E+00                                | Diesel Particulate         | 3.0E-04     | 1.1E+00                                            | 1.2E-06                   | 5.2E-07     | 5.0E+00        | 1.4E-03      | 4.2E-04      |             |              |              |             |
| TOTAL         |                             |                             |                           |                    |                                                  |                                         |                            | 5.2E-07     |                                                    |                           | 4.2E-04     | 0.0E+00        | 0.0E+00      | 0.0E+00      | 0.0E+00     | 0.0E+00      | 0.0E+00      | 0.0E+00     |

\*\* Key to Toxicological Endpoints

RESP            Respiratory System  
CNS/PNS        Central/Peripheral Nervous System  
CV/BL          Cardiovascular/Blood System  
IMMUN         Immune System  
KIDN            Kidney  
GI/LV          Gastrointestinal System/Liver  
REPRO         Reproductive System (e.g. teratogenic and developmental effects)  
EYES            Eye irritation and/or other effects

Note:            Exposure factors used to calculate contaminant intake

exposure frequency (days/year)            350  
exposure duration (years)                    14  
inhalation rate (L/kg-day)                    572  
inhalation absorption factor                    1  
averaging time (years)                        70  
fraction of time at home                      0.72  
age sensitivity factor (ages 2 to 16 years)    3

**Table 4**  
**Quantification of Carcinogenic Risks and Noncarcinogenic Hazards**  
**16-30 Age Bin Exposure Scenario**

| Source<br>(a) | Mass GLC                    |                             | Weight<br>Fraction<br>(d) | Contaminant<br>(e) | Carcinogenic Risk                                |                                         |                            |             | Noncarcinogenic Hazards/ Toxicological Endpoints** |                           |             |                |              |              |             |              |              |             |
|---------------|-----------------------------|-----------------------------|---------------------------|--------------------|--------------------------------------------------|-----------------------------------------|----------------------------|-------------|----------------------------------------------------|---------------------------|-------------|----------------|--------------|--------------|-------------|--------------|--------------|-------------|
|               | (ug/m <sup>3</sup> )<br>(b) | (mg/m <sup>3</sup> )<br>(c) |                           |                    | URF<br>(ug/m <sup>3</sup> ) <sup>-1</sup><br>(f) | CPF<br>(mg/kg/day) <sup>-1</sup><br>(g) | DOSE<br>(mg/kg-day)<br>(h) | RISK<br>(i) | REL<br>(ug/m <sup>3</sup> )<br>(j)                 | RfD<br>(mg/kg/day)<br>(k) | RESP<br>(l) | CNS/PNS<br>(m) | CV/BL<br>(n) | IMMUN<br>(o) | KIDN<br>(p) | GI/LV<br>(q) | REPRO<br>(r) | EYES<br>(s) |
|               |                             | 0.00211                     |                           |                    | 2.11E-06                                         | 1.00E+00                                | Diesel Particulate         | 3.0E-04     | 1.1E+00                                            | 5.3E-07                   | 8.1E-08     | 5.0E+00        | 1.4E-03      | 4.2E-04      |             |              |              |             |
| <b>TOTAL</b>  |                             |                             |                           |                    | 8.1E-08                                          |                                         |                            |             | 4.2E-04                                            | 0.0E+00                   | 0.0E+00     | 0.0E+00        | 0.0E+00      | 0.0E+00      | 0.0E+00     | 0.0E+00      | 0.0E+00      |             |

0.08

\*\* Key to Toxicological Endpoints

RESP           Respiratory System  
CNS/PNS       Central/Peripheral Nervous System  
CV/BL         Cardiovascular/Blood System  
IMMUN         Immune System  
KIDN          Kidney  
GI/LV         Gastrointestinal System/Liver  
REPRO         Reproductive System (e.g. teratogenic and developmental effects)  
EYES          Eye irritation and/or other effects

Note:           Exposure factors used to calculate contaminant intake

exposure frequency (days/year)                   350  
exposure duration (years)                           14  
inhalation rate (L/kg-day)                          261  
inhalation absorption factor                         1  
averaging time (years)                              70  
fraction of time at home                            0.73  
age sensitivity factor (ages 16 to 30 years old)   1

**Total Risk for All Age Bins (per million)           1.19**

**Table 5**  
**Quantification of Carcinogenic Risks and Noncarcinogenic Risks**  
**25-Year Worker Exposure Scenario**

|       | Source<br>(a)       | Mass GLC                    |                             | Weight Fraction<br>(d) | Contaminant<br>(e) | Carcinogenic Risk                                |                                         |                            |             | Noncarcinogenic Hazards/ Toxicological Endpoints**                      |                           |             |                |              |              |             |              |              |             |  |  |  |  |  |
|-------|---------------------|-----------------------------|-----------------------------|------------------------|--------------------|--------------------------------------------------|-----------------------------------------|----------------------------|-------------|-------------------------------------------------------------------------|---------------------------|-------------|----------------|--------------|--------------|-------------|--------------|--------------|-------------|--|--|--|--|--|
|       |                     | (b)                         | (c)                         |                        |                    | URF<br>(ug/m <sup>3</sup> ) <sup>-1</sup><br>(f) | CPF<br>(mg/kg/day) <sup>-1</sup><br>(g) | DOSE<br>(mg/kg-day)<br>(h) | RISK<br>(i) | REL<br>(ug/m <sup>3</sup> )<br>(j)                                      | RfD<br>(mg/kg/day)<br>(k) | RESP<br>(l) | CNS/PNS<br>(m) | CV/BL<br>(n) | IMMUN<br>(o) | KIDN<br>(p) | GI/LV<br>(q) | REPRO<br>(r) | EYES<br>(s) |  |  |  |  |  |
|       |                     | (ug/m <sup>3</sup> )<br>(b) | (mg/m <sup>3</sup> )<br>(c) |                        |                    | (ug/m <sup>3</sup> ) <sup>-1</sup><br>(f)        | (mg/kg/day) <sup>-1</sup><br>(g)        | (mg/kg-day)<br>(h)         | (i)         | (ug/m <sup>3</sup> )<br>(j)                                             | (mg/kg/day)<br>(k)        | (l)         | (m)            | (n)          | (o)          | (p)         | (q)          | (r)          | (s)         |  |  |  |  |  |
| 1     | Diesel Particulates | 4.34E-03                    | 4.34E-06                    | 1.00E+00               | Diesel Particulate | 3.0E-04                                          | 1.1E+00                                 | 6.8E-07                    | 2.6E-07     | 5.0E+00                                                                 | 1.4E-03                   | 8.7E-04     |                |              |              |             |              |              |             |  |  |  |  |  |
| TOTAL |                     |                             |                             |                        |                    | 2.6E-07<br>0.26                                  |                                         |                            |             | 8.7E-04 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 |                           |             |                |              |              |             |              |              |             |  |  |  |  |  |

\*\* Key to Toxicological Endpoints

Note: Exposure factors used to calculate contaminant intake

|         |                                                                  |                                |     |
|---------|------------------------------------------------------------------|--------------------------------|-----|
| RESP    | Respiratory System                                               | exposure frequency (days/year) | 250 |
| CNS/PNS | Central/Peripheral Nervous System                                | exposure duration (years)      | 25  |
| CV/BL   | Cardiovascular/Blood System                                      | inhalation rate (L/kg-day)     | 230 |
| IMMUN   | Immune System                                                    | inhalation absorption factor   | 1   |
| KIDN    | Kidney                                                           | averaging time (years)         | 70  |
| GI/LV   | Gastrointestinal System/Liver                                    |                                |     |
| REPRO   | Reproductive System (e.g. teratogenic and developmental effects) |                                |     |
| EYES    | Eye irritation and/or other effects                              |                                |     |



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