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# **Cottonwood & Edgemont Warehouse**

## **MOBILE SOURCE HEALTH RISK ASSESSMENT**

### **CITY OF MORENO VALLEY**

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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	Cottonwood & Edgemont 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 mobile-source emissions health risk impacts associated with the development of the proposed Project. More specifically, potential health risk impacts that could result from exposure to Toxic Air Contaminants (TACs), in this case, diesel particulate matter (DPM) generated by 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, presented subsequently.

### CONSTRUCTION IMPACTS

The land use with the greatest potential exposure to Project construction-source DPM emissions is Location R3 which is located approximately 19 feet east of the Project site at an existing residence located at 13571 Edgemont Street. R3 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 8.15 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 0.03, 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 nearest 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 R2 which is located approximately 19 feet east of the Project site at an existing residence located at 13561 Edgemont Street. R2 is placed at the building façade facing the Project site. At the MEIR, the maximum incremental cancer risk attributable to Project operational-source DPM emissions is estimated at 1.63 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 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 nearest 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 approximately 107 feet east of the Project site. At the MEIW, the maximum incremental cancer risk impact is 0.09 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 nearest modeled receptors are illustrated on Exhibit 2-D.

School Child Exposure Scenario:

Proximity to sources of toxics is critical to determining the impact. In traffic-related studies, the additional non-cancer health risk attributable to proximity was seen within 1,000 feet and was strongest within 300 feet. California freeway studies show about a 70-percent drop-off in particulate pollution levels at 500 feet. Based on California Air Resources Board (CARB) and SCAQMD emissions and modeling analyses, an 80-percent drop-off in pollutant concentrations is expected at approximately 1,000 feet from a distribution center (1).

The 1,000-foot evaluation distance is supported by research-based findings concerning Toxic Air Contaminant (TAC) emission dispersion rates from roadways and large sources showing that emissions diminish substantially between 500 and 1,000 feet from emission sources.

A one-quarter mile radius, or 1,320 feet, is commonly utilized for identifying sensitive receptors, such as schools, that may be impacted by a proposed project. This radius is more robust than, and therefore provides a more health protective scenario for evaluation than the 1,000-foot impact radius identified above.

There are no schools within ¼ mile of the Project site. The nearest school is Towngate Elementary School, which is located approximately 3,900 feet northeast of the Project site. Because there is no reasonable potential that TAC emissions would cause significant health impacts at distances of more than ¼ mile from the air pollution source, there would be no significant impacts that would occur to any schools in the vicinity of the Project.

**CONSTRUCTION AND OPERATIONAL IMPACTS**

The land use with the greatest potential increased cancer risk due to exposure to Project construction-source and operational-source DPM emissions is Location R3. At this location, the maximum incremental cancer risk attributable to Project construction and operational DPM

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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.



source emissions is estimated at 8.88 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 0.03, 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 nearest modeled receptors are illustrated on Exhibit 2-D.

**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
2 Year Exposure	Maximum Exposed Sensitive Receptor	8.15	10	NO
Time Period	Location	Maximum Hazard Index	Significance Threshold	Exceeds Significance Threshold
Annual Average	Maximum Exposed Sensitive Receptor	0.03	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	1.63	10	NO
25 Year Exposure	Maximum Exposed Worker Receptor	0.09	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

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

<b>Time Period</b>	<b>Location</b>	<b>Maximum Lifetime Cancer Risk (Risk per Million)</b>	<b>Significance Threshold (Risk per Million)</b>	<b>Exceeds Significance Threshold</b>
30 Year Exposure	Maximum Exposed Sensitive Receptor	8.88	10	NO
<b>Time Period</b>	<b>Location</b>	<b>Maximum Hazard Index</b>	<b>Significance Threshold</b>	<b>Exceeds Significance Threshold</b>
Annual Average	Maximum Exposed Sensitive Receptor	0.03	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 (2) 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* (3). 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). An 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 south of Cottonwood Avenue between Old 215 Frontage Road and Edgemont Street in the City of Moreno Valley as shown on Exhibit 1-A.

## **1.2 PROJECT DESCRIPTION**

The Project is proposed to consist of two 49,815 square foot (sf) warehouse buildings for a total of 99,630 sf as shown on Exhibit 1-B. It is anticipated that the Project would be developed in a single phase with an anticipated Opening Year of 2023. The proposed Project expected to generate approximately 462 total trips per day which include 428 passenger car trips per day and 34 truck trips per day (4).

**EXHIBIT 1-A: LOCATION MAP**

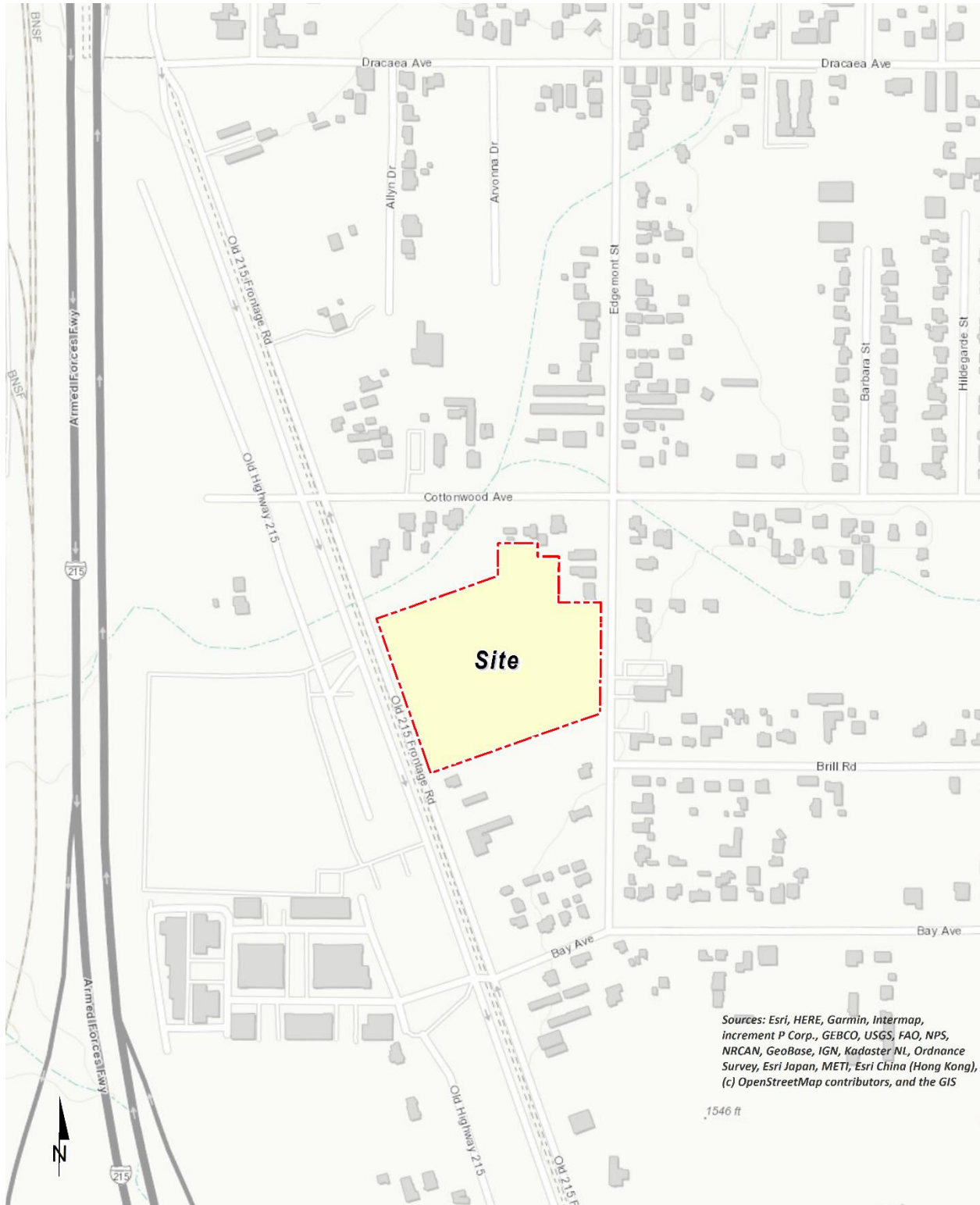
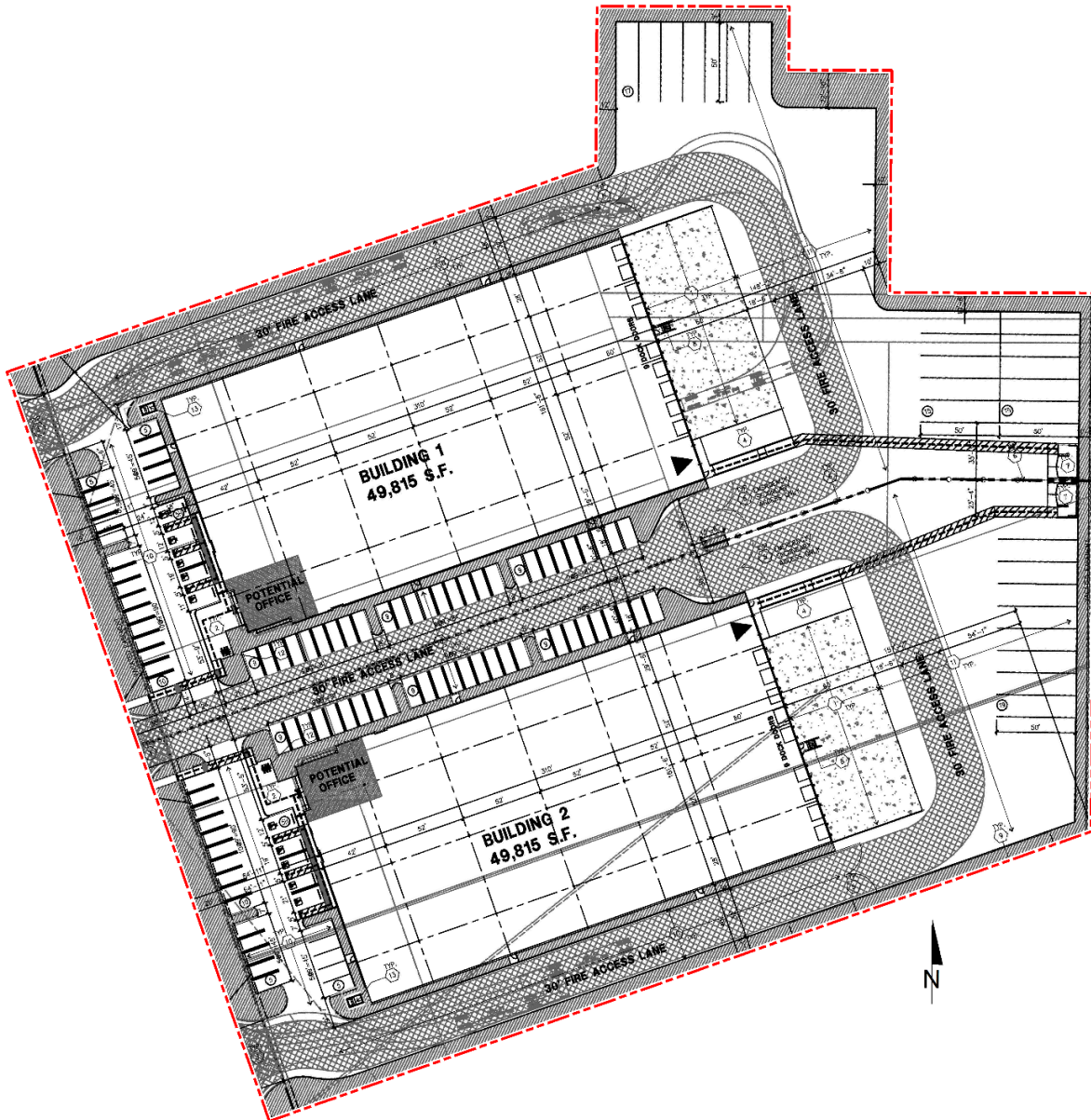


EXHIBIT 1-B: SITE PLAN



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## 2 BACKGROUND

### 2.1 BACKGROUND ON RECOMMENDED METHODOLOGY

This HRA is based on SCAQMD 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 *Cottonwood & Edgemont Warehouse Air Quality Impact Analysis* ("technical study") prepared by Urban Crossroads, Inc. (5)

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 193 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.

<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
Site Preparation	02/01/2023	02/28/2023	20
Grading	03/01/2023	03/31/2023	23
Building Construction	04/01/2023	09/29/2023	130
Paving	10/02/2023	10/13/2023	10
Architectural Coating	10/14/2023	10/27/2023	10

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

Construction Activity	Equipment	Amount	Hours Per Day
Site Preparation	Skip Loaders	1	8
	Tractors/Loaders/Backhoes	1	8
Grading	Blade	1	8
	Rubber Tired Dozers	1	8
	Scrapers	4	8
	Tractors/Loaders/Backhoes	1	8
Building Construction	Crane	1	8
	Forklifts	3	8
	Tractors/Loaders/Backhoes	2	8
	Welders	1	8
Paving	Blade	1	8
	Paving Equipment	1	8
	Rollers	2	8
	Skip Loaders	1	8
Architectural Coating	Air Compressors	1	8

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



**LEGEND:**  
N  
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 2017 version of the Emission FACTor model (EMFAC) developed by the CARB. EMFAC 2017 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 (6). The most recent version of this model, EMFAC 2017, 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 2017. Emission factors calculated using EMFAC 2017 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 2017 in EMFAC Mode for vehicles in the Riverside 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 2023 EMFAC 2017 run was conducted and a static 2023 emissions factor data set was used for the entire duration of analysis herein (e.g., 30 years). Use of 2023 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 2023. Additionally, based on EMFAC 2017, Light-Heavy-Duty Trucks are comprised of 62.2% diesel, Medium-Heavy-Duty Trucks are comprised of 89.5% diesel, and Heavy-Heavy-Duty Trucks are comprised of 98.1% 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 (7):

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

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 (7):

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

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: 2023 WEIGHTED AVERAGE DPM EMISSIONS FACTORS**

Speed	Weighted Average
0 (idling)	0.12061 (g/idle-hr)
5	0.01741 (g/s)
25	0.00774 (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 (1) (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**

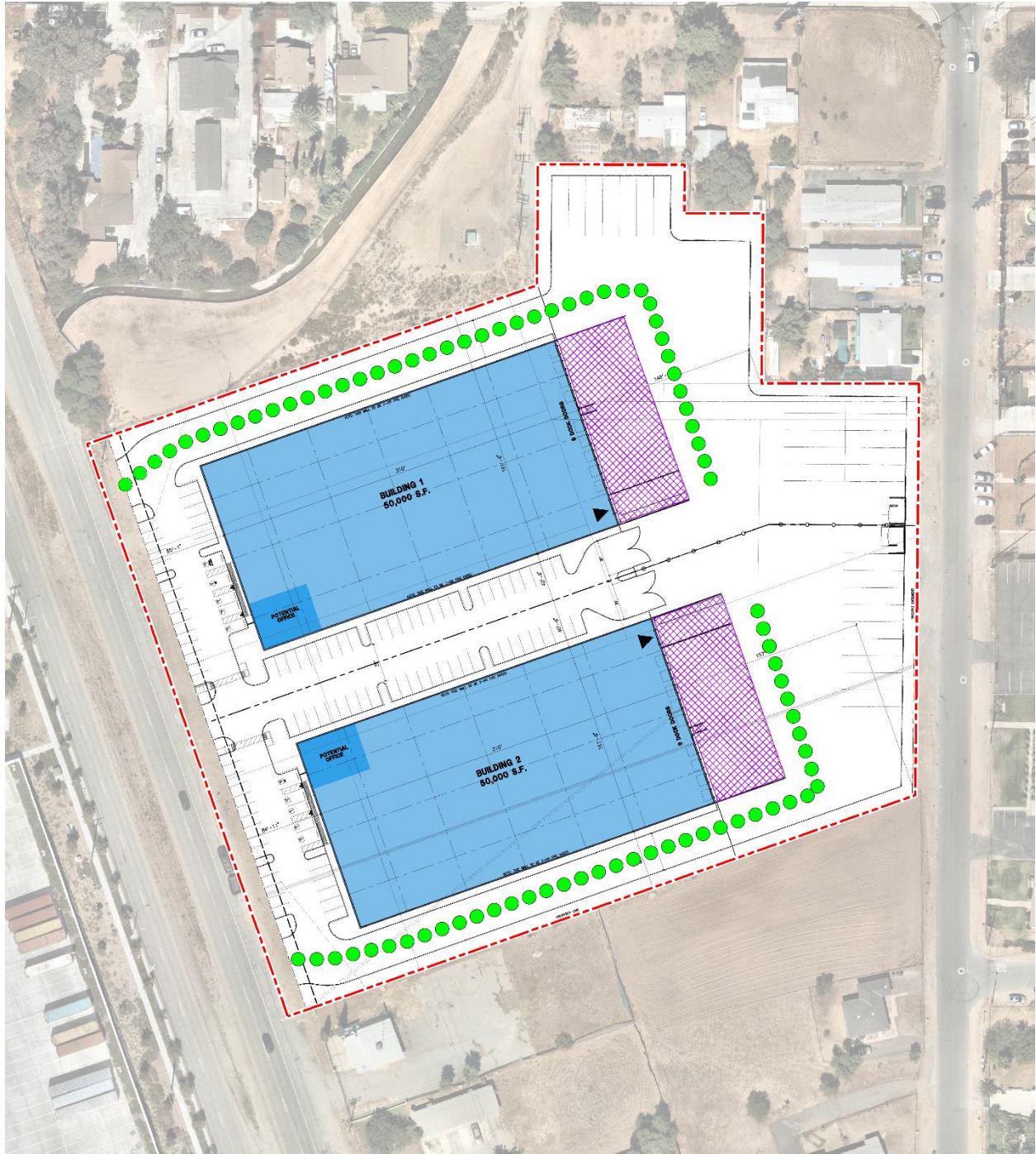


EXHIBIT 2-C: MODELED OFF-SITE EMISSION SOURCES



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

- LEGEND:**
-  N
  -  Site Boundary
  -  Off-Site Truck Travel

**TABLE 2-4: DPM EMISSIONS FROM PROJECT TRUCKS (2023 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	17			0.1206	0.68	7.819E-06
On-Site Idling - Bldg 2	17			0.1206	0.68	7.819E-06
On-Site Travel - Bldg 1	17	2.10	0.0174		0.04	5.165E-07
On-Site Travel - Bldg 2	17	2.12	0.0174		0.04	5.202E-07
Off-Site Travel - 50% Inbound Dwy 3	9	5.90	0.0077		0.05	6.336E-07
Off-Site Travel - 50% Inbound Dwy 1	9	6.57	0.0077		0.06	7.053E-07
Off-Site Travel - 50% Outbound Dwy 3	9	8.52	0.0077		0.08	9.143E-07
Off-Site Travel - 50% Outbound Dwy 1	9	7.86	0.0077		0.07	8.439E-07

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

<sup>b</sup> Emission rates determined using EMFAC 2017. 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 and each TRU idles for 30 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 *Cottonwood & Edgemont Warehouse Traffic Analysis* prepared by Urban Crossroads, Inc., the Project is expected to generate a total of approximately 462 vehicular trips-ends per day (actual vehicles) which includes 34 two-way truck trips per day (4).

## 2.3 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 (2). SCAQMD recommends using the Environmental Protection Agency's (U.S. EPA's) AERMOD model. For purposes of this analysis, the Lakes AERMOD View (Version 10.2.1) 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 21112 (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.

SCAQMD-recommended 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 Perris monitoring station (SRA 24) was used to represent local weather conditions and prevailing winds (11).

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

Dispersion Coefficient (Urban/Rural)	Urban (Population 2,189,641)
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 site's vicinity. The AERMOD dispersion model summary output files for the

proposed 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.

Consistent with SCAQMD modeling guidance, all receptors were set to existing elevation height so that only ground-level concentrations are analyzed (12). 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 (13).

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 2-7 summarize the Exposure Parameters for Residents and Workers 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	0.73	0.93	243	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

## 2.4 CARCINOGENIC CHEMICAL RISK

The SCAQMD CEQA Air Quality Handbook (1993) states that emissions of toxic air contaminants (TACs) are considered significant if a HRA shows an increased risk of greater than 10 in one million. Based on guidance from the SCAQMD in the document Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (2), for purposes of this analysis, 10 in one million is used as the cancer risk threshold for the proposed Project.

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.

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

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] = daily breathing rate normalized to body weight (L/kg BW-day)

A	=	inhalation absorption factor
EF	=	exposure frequency (days/365 days)
BW	=	body weight (kg)
$1 \times 10^{-6}$	=	conversion factors (ug to mg, L to m3)
$RISK_{air} = DOSE_{air} \times CPF \times ED/AT$		

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

## 2.5 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  $5 \mu\text{g}/\text{m}^3$  (OEHHA Toxicity Criteria Database, <http://www.oehha.org/risk/chemicaldb/index.asp>).

The non-cancer hazard index was calculated (consistent with SCAQMD methodology) as follows:

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

$$HI_{DPM} = C_{DPM}/REL_{DPM}$$

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.

## 2.6 POTENTIAL PROJECT-RELATED 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 R3 which is located approximately 19 feet east of the Project site at an existing residence located at 13571 Edgemont Street. R3 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 8.15 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 0.03, 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 nearest 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 R2 which is located approximately 19 feet east of the Project site at an existing residence located at 13561 Edgemont Street. R2 is placed at the building façade facing the Project site. At the MEIR, the maximum incremental cancer risk attributable to Project operational-source DPM emissions is estimated at 1.63 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 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 nearest 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 approximately 107 feet east of the Project site. At the MEIW, the maximum incremental cancer risk impact is 0.09 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

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.

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 nearest modeled receptors are illustrated on Exhibit 2-D.

School Child Exposure Scenario:

Proximity to sources of toxics is critical to determining the impact. In traffic-related studies, the additional non-cancer health risk attributable to proximity was seen within 1,000 feet and was strongest within 300 feet. California freeway studies show about a 70-percent drop-off in particulate pollution levels at 500 feet. Based on California Air Resources Board (CARB) and SCAQMD emissions and modeling analyses, an 80-percent drop-off in pollutant concentrations is expected at approximately 1,000 feet from a distribution center (1).

The 1,000-foot evaluation distance is supported by research-based findings concerning Toxic Air Contaminant (TAC) emission dispersion rates from roadways and large sources showing that emissions diminish substantially between 500 and 1,000 feet from emission sources.

A one-quarter mile radius, or 1,320 feet, is commonly utilized for identifying sensitive receptors, such as schools, that may be impacted by a proposed project. This radius is more robust than, and therefore provides a more health protective scenario for evaluation than the 1,000-foot impact radius identified above.

There are no schools within  $\frac{1}{4}$  mile of the Project site. The nearest school is Towngate Elementary School, which is located approximately 3,900 feet northeast of the Project site. Because there is no reasonable potential that TAC emissions would cause significant health impacts at distances of more than  $\frac{1}{4}$  mile from the air pollution source, there would be no significant impacts that would occur to any schools in the vicinity of the Project.

**CONSTRUCTION AND OPERATIONAL IMPACTS**

The land use with the greatest potential increased cancer risk due to exposure to Project construction-source and operational-source DPM emissions is Location R3. At this location, the maximum incremental cancer risk attributable to Project construction and operational DPM source emissions is estimated at 8.88 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 0.03, 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 nearest modeled receptors are illustrated on Exhibit 2-D.

**EXHIBIT 2-D: RECEPTOR LOCATIONS**



**LEGEND:**  
● Receptor Locations  
—● Distance from receptor to Project site boundary (in feet)

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### 3 REFERENCES

1. **Air Resources Board.** *Air Quality and Land Use Handbook: A Community Health Perspective.* 2005.
2. **South Coast Air Quality Management District.** Mobile Source Toxics Analysis. [Online] 2003. [http://www.aqmd.gov/ceqa/handbook/mobile\\_toxic/mobile\\_toxic.html](http://www.aqmd.gov/ceqa/handbook/mobile_toxic/mobile_toxic.html).
3. **Goss, Tracy A and Kroeger, Amy.** White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution. [Online] South Coast Air Quality Management District, 2003. [Cited: June 6, 2019.] <http://www.aqmd.gov/docs/default-source/Agendas/Environmental-Justice/cumulative-impacts-working-group/cumulative-impacts-white-paper.pdf?sfvrsn=2>.
4. **Urban Crossroads, Inc.** *Cottonwood & Edgemont Warehouse Trip Generation Assessment.* 2022.
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8. **Wong, Jillian.** *Planning, Rule Development & Area Sources.* December 22, 2016.
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12. —. South Coast AQMD Modeling Guidance for AERMOD. [Online] [Cited: September 18, 2019.] <http://www.aqmd.gov/home/air-quality/meteorological-data/modeling-guidance>.
13. **Environmental Protection Agency.** User's Guide for the AERMOD Terrain Preprocessor (AERMAP). [Online] 2018. [https://gaftp.epa.gov/Air/aqmg/SCRAM/models/related/aermap/aermap\\_userguide\\_v18081.pdf](https://gaftp.epa.gov/Air/aqmg/SCRAM/models/related/aermap/aermap_userguide_v18081.pdf).

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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 Cottonwood & Edgemont 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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### EDUCATION

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

Bachelor of Arts in Environmental Analysis and Design  
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  
AB2588 Regulatory Standards – Trinity Consultants • November 2006  
Air Dispersion Modeling – Lakes Environmental • June 2006

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**APPENDIX 2.1:**  
**CALEEMOD OUTPUTS**

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Cottonwood & Edgemont (Construction - Unmitigated) - Riverside-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**Cottonwood & Edgemont (Construction - Unmitigated)**

**Riverside-South Coast County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	89.67	1000sqft	2.06	89,667.00	0
Refrigerated Warehouse-No Rail	9.96	1000sqft	0.23	9,963.00	0
Other Asphalt Surfaces	176.40	1000sqft	4.05	176,404.00	0
Parking Lot	130.00	Space	0.81	35,264.00	0
City Park	0.79	Acre	0.79	34,588.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.4	<b>Precipitation Freq (Days)</b>	28
<b>Climate Zone</b>	10			<b>Operational Year</b>	2023
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	390.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - Total Project area is 7.94 acres

Construction Phase - Construction schedule based on information provided by the Project Applicant

Off-road Equipment - Construction equipment adjusted based on the changes made to the Construction Schedule

Off-road Equipment - Equipment based on information provided by the Project Applicant

Off-road Equipment - Equipment based on information provided by the Project Applicant

Off-road Equipment - Equipment based on information provided by the Project Applicant

Off-road Equipment - Equipment based on information provided by the Project Applicant

Cottonwood & Edgemont (Construction - Unmitigated) - Riverside-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Trips and VMT - CalEEMod only assumes Vendor Trips during Building Construction. The CalEEMod default trips were ratioed between each phase based on the number of days

Grading - As a conservative measure, it is assumed that up to 1 acre can be disturbed per day during Site Preparation activities

Architectural Coating - Rule 1113

Vehicle Trips - Construction run only

Energy Use - Construction run only

Water And Wastewater - Construction run only

Solid Waste - Construction run only

Construction Off-road Equipment Mitigation - Rule 403

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	20.00	23.00
tblConstructionPhase	NumDays	230.00	130.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	10.00
tblEnergyUse	LightingElect	2.93	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	2.37	0.00
tblEnergyUse	NT24E	5.02	0.00
tblEnergyUse	NT24E	36.52	0.00
tblEnergyUse	NT24NG	17.13	0.00
tblEnergyUse	NT24NG	48.51	0.00
tblEnergyUse	T24E	1.97	0.00
tblEnergyUse	T24E	0.95	0.00
tblEnergyUse	T24NG	15.20	0.00
tblEnergyUse	T24NG	3.22	0.00
tblGrading	AcresOfGrading	103.50	115.00



Cottonwood & Edgemont (Construction - Unmitigated) - Riverside-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

tblGrading	AcresOfGrading	0.00	20.00
tblGrading	MaterialExported	0.00	10,600.00
tblLandUse	LandUseSquareFeet	52,000.00	35,264.00
tblLandUse	LandUseSquareFeet	34,412.40	34,588.00
tblLandUse	LotAcreage	1.17	0.81
tblOffRoadEquipment	LoadFactor	0.42	0.42
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.48	0.48
tblOffRoadEquipment	LoadFactor	0.42	0.42
tblOffRoadEquipment	OffRoadEquipmentType		Other Construction Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Scrapers
tblOffRoadEquipment	OffRoadEquipmentType		Other Construction Equipment
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	0.07	0.00
tblSolidWaste	SolidWasteGenerationRate	111.19	0.00
tblSolidWaste	SolidWasteGenerationRate	9.36	0.00

Cottonwood & Edgemont (Construction - Unmitigated) - Riverside-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	7.00
tblTripsAndVMT	VendorTripNumber	57.00	38.00
tblTripsAndVMT	VendorTripNumber	0.00	3.00
tblTripsAndVMT	VendorTripNumber	0.00	3.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00

Cottonwood & Edgemont (Construction - Unmitigated) - Riverside-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	66.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	6.42	0.00
tblVehicleTrips	ST_TR	2.12	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	5.09	0.00
tblVehicleTrips	SU_TR	2.12	0.00
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	3.93	0.00
tblVehicleTrips	WD_TR	2.12	0.00
tblWater	IndoorWaterUseRate	20,736,187.50	0.00
tblWater	IndoorWaterUseRate	2,303,250.00	0.00
tblWater	OutdoorWaterUseRate	941,270.27	0.00

**2.0 Emissions Summary**

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Cottonwood & Edgemont (Construction - Unmitigated) - Riverside-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.3224	3.8000e-004	0.0415	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0890	0.0890	2.3000e-004		0.0949
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>2.3224</b>	<b>3.8000e-004</b>	<b>0.0415</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.5000e-004</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>1.5000e-004</b>	<b>1.5000e-004</b>		<b>0.0890</b>	<b>0.0890</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>0.0949</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.3224	3.8000e-004	0.0415	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0890	0.0890	2.3000e-004		0.0949
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>2.3224</b>	<b>3.8000e-004</b>	<b>0.0415</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.5000e-004</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>1.5000e-004</b>	<b>1.5000e-004</b>		<b>0.0890</b>	<b>0.0890</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>0.0949</b>

Cottonwood & Edgemont (Construction - Unmitigated) - Riverside-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	2/1/2023	2/28/2023	5	20	
2	Grading	Grading	3/1/2023	3/31/2023	5	23	
3	Building Construction	Building Construction	4/1/2023	9/29/2023	5	130	
4	Paving	Paving	9/30/2023	10/13/2023	5	10	
5	Architectural Coating	Architectural Coating	10/14/2023	10/27/2023	5	10	

**Acres of Grading (Site Preparation Phase): 20**

**Acres of Grading (Grading Phase): 115**

**Acres of Paving: 4.86**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 149,445; Non-Residential Outdoor: 49,815; Striped Parking Area: 12,700 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Other Construction Equipment	1	8.00	172	0.42
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Paving	Skid Steer Loaders	1	8.00	65	0.37
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	0	8.00	187	0.41

Cottonwood & Edgemont (Construction - Unmitigated) - Riverside-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	0	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	8.00	78	0.48
Site Preparation	Skid Steer Loaders	1	8.00	65	0.37
Grading	Scrapers	4	8.00	367	0.48
Paving	Other Construction Equipment	1	8.00	172	0.42

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	2	5.00	6.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	7	18.00	7.00	1,325.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	145.00	38.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	3.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	29.00	3.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

Cottonwood & Edgemont (Construction - Unmitigated) - Riverside-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.2 Site Preparation - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0605	0.0000	1.0605	0.1145	0.0000	0.1145			0.0000			0.0000
Off-Road	0.2165	2.4004	3.6167	5.1900e-003		0.1051	0.1051		0.0967	0.0967		502.0627	502.0627	0.1624		506.1222
<b>Total</b>	<b>0.2165</b>	<b>2.4004</b>	<b>3.6167</b>	<b>5.1900e-003</b>	<b>1.0605</b>	<b>0.1051</b>	<b>1.1656</b>	<b>0.1145</b>	<b>0.0967</b>	<b>0.2112</b>		<b>502.0627</b>	<b>502.0627</b>	<b>0.1624</b>		<b>506.1222</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.7600e-003	0.1960	0.0807	1.0500e-003	0.0384	1.7100e-003	0.0401	0.0111	1.6300e-003	0.0127		111.1626	111.1626	1.1300e-003	0.0164	116.0860
Worker	0.0183	0.0113	0.1834	4.9000e-004	0.0559	2.6000e-004	0.0562	0.0148	2.4000e-004	0.0151		50.3102	50.3102	1.1500e-003	1.1700e-003	50.6884
<b>Total</b>	<b>0.0250</b>	<b>0.2073</b>	<b>0.2641</b>	<b>1.5400e-003</b>	<b>0.0943</b>	<b>1.9700e-003</b>	<b>0.0963</b>	<b>0.0259</b>	<b>1.8700e-003</b>	<b>0.0278</b>		<b>161.4728</b>	<b>161.4728</b>	<b>2.2800e-003</b>	<b>0.0176</b>	<b>166.7745</b>



Cottonwood & Edgemont (Construction - Unmitigated) - Riverside-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.2 Site Preparation - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4136	0.0000	0.4136	0.0447	0.0000	0.0447			0.0000			0.0000
Off-Road	0.2165	2.4004	3.6167	5.1900e-003		0.1051	0.1051		0.0967	0.0967	0.0000	502.0627	502.0627	0.1624		506.1222
<b>Total</b>	<b>0.2165</b>	<b>2.4004</b>	<b>3.6167</b>	<b>5.1900e-003</b>	<b>0.4136</b>	<b>0.1051</b>	<b>0.5187</b>	<b>0.0447</b>	<b>0.0967</b>	<b>0.1413</b>	<b>0.0000</b>	<b>502.0627</b>	<b>502.0627</b>	<b>0.1624</b>		<b>506.1222</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.7600e-003	0.1960	0.0807	1.0500e-003	0.0384	1.7100e-003	0.0401	0.0111	1.6300e-003	0.0127		111.1626	111.1626	1.1300e-003	0.0164	116.0860
Worker	0.0183	0.0113	0.1834	4.9000e-004	0.0559	2.6000e-004	0.0562	0.0148	2.4000e-004	0.0151		50.3102	50.3102	1.1500e-003	1.1700e-003	50.6884
<b>Total</b>	<b>0.0250</b>	<b>0.2073</b>	<b>0.2641</b>	<b>1.5400e-003</b>	<b>0.0943</b>	<b>1.9700e-003</b>	<b>0.0963</b>	<b>0.0259</b>	<b>1.8700e-003</b>	<b>0.0278</b>		<b>161.4728</b>	<b>161.4728</b>	<b>2.2800e-003</b>	<b>0.0176</b>	<b>166.7745</b>

Cottonwood & Edgemont (Construction - Unmitigated) - Riverside-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.3 Grading - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					11.3830	0.0000	11.3830	3.8916	0.0000	3.8916			0.0000			0.0000
Off-Road	4.3434	45.3622	33.9672	0.0788		1.8794	1.8794		1.7290	1.7290		7,630.204 2	7,630.204 2	2.4678		7,691.898 3
<b>Total</b>	<b>4.3434</b>	<b>45.3622</b>	<b>33.9672</b>	<b>0.0788</b>	<b>11.3830</b>	<b>1.8794</b>	<b>13.2623</b>	<b>3.8916</b>	<b>1.7290</b>	<b>5.6207</b>		<b>7,630.204 2</b>	<b>7,630.204 2</b>	<b>2.4678</b>		<b>7,691.898 3</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1261	5.7530	1.5820	0.0317	1.0083	0.0694	1.0777	0.2764	0.0664	0.3429		3,380.453 4	3,380.453 4	0.0480	0.5327	3,540.388 4
Vendor	7.8900e-003	0.2287	0.0942	1.2200e-003	0.0448	1.9900e-003	0.0468	0.0129	1.9100e-003	0.0148		129.6897	129.6897	1.3200e-003	0.0192	135.4337
Worker	0.0658	0.0406	0.6603	1.7700e-003	0.2012	9.4000e-004	0.2021	0.0534	8.7000e-004	0.0542		181.1165	181.1165	4.1400e-003	4.2200e-003	182.4783
<b>Total</b>	<b>0.1997</b>	<b>6.0224</b>	<b>2.3365</b>	<b>0.0347</b>	<b>1.2543</b>	<b>0.0724</b>	<b>1.3267</b>	<b>0.3427</b>	<b>0.0692</b>	<b>0.4119</b>		<b>3,691.259 6</b>	<b>3,691.259 6</b>	<b>0.0534</b>	<b>0.5561</b>	<b>3,858.300 4</b>

Cottonwood & Edgemont (Construction - Unmitigated) - Riverside-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.3 Grading - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.4394	0.0000	4.4394	1.5177	0.0000	1.5177			0.0000			0.0000
Off-Road	4.3434	45.3622	33.9672	0.0788		1.8794	1.8794		1.7290	1.7290	0.0000	7,630.204 <sub>2</sub>	7,630.204 <sub>2</sub>	2.4678		7,691.898 <sub>3</sub>
<b>Total</b>	<b>4.3434</b>	<b>45.3622</b>	<b>33.9672</b>	<b>0.0788</b>	<b>4.4394</b>	<b>1.8794</b>	<b>6.3187</b>	<b>1.5177</b>	<b>1.7290</b>	<b>3.2468</b>	<b>0.0000</b>	<b>7,630.204<sub>2</sub></b>	<b>7,630.204<sub>2</sub></b>	<b>2.4678</b>		<b>7,691.898<sub>3</sub></b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1261	5.7530	1.5820	0.0317	1.0083	0.0694	1.0777	0.2764	0.0664	0.3429		3,380.453 <sub>4</sub>	3,380.453 <sub>4</sub>	0.0480	0.5327	3,540.388 <sub>4</sub>
Vendor	7.8900e-003	0.2287	0.0942	1.2200e-003	0.0448	1.9900e-003	0.0468	0.0129	1.9100e-003	0.0148		129.6897	129.6897	1.3200e-003	0.0192	135.4337
Worker	0.0658	0.0406	0.6603	1.7700e-003	0.2012	9.4000e-004	0.2021	0.0534	8.7000e-004	0.0542		181.1165	181.1165	4.1400e-003	4.2200e-003	182.4783
<b>Total</b>	<b>0.1997</b>	<b>6.0224</b>	<b>2.3365</b>	<b>0.0347</b>	<b>1.2543</b>	<b>0.0724</b>	<b>1.3267</b>	<b>0.3427</b>	<b>0.0692</b>	<b>0.4119</b>		<b>3,691.259<sub>6</sub></b>	<b>3,691.259<sub>6</sub></b>	<b>0.0534</b>	<b>0.5561</b>	<b>3,858.300<sub>4</sub></b>

Cottonwood & Edgemont (Construction - Unmitigated) - Riverside-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2162	11.1865	11.4094	0.0191		0.5440	0.5440		0.5049	0.5049		1,813.5425	1,813.5425	0.5421		1,827.0942
<b>Total</b>	<b>1.2162</b>	<b>11.1865</b>	<b>11.4094</b>	<b>0.0191</b>		<b>0.5440</b>	<b>0.5440</b>		<b>0.5049</b>	<b>0.5049</b>		<b>1,813.5425</b>	<b>1,813.5425</b>	<b>0.5421</b>		<b>1,827.0942</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0428	1.2415	0.5112	6.6400e-003	0.2434	0.0108	0.2542	0.0701	0.0103	0.0804		704.0298	704.0298	7.1800e-003	0.1040	735.2116
Worker	0.5298	0.3274	5.3194	0.0143	1.6208	7.6000e-003	1.6284	0.4298	7.0000e-003	0.4368		1,458.9944	1,458.9944	0.0333	0.0340	1,469.9642
<b>Total</b>	<b>0.5726</b>	<b>1.5688</b>	<b>5.8306</b>	<b>0.0209</b>	<b>1.8642</b>	<b>0.0184</b>	<b>1.8826</b>	<b>0.4999</b>	<b>0.0173</b>	<b>0.5173</b>		<b>2,163.0242</b>	<b>2,163.0242</b>	<b>0.0405</b>	<b>0.1381</b>	<b>2,205.1758</b>

Cottonwood & Edgemont (Construction - Unmitigated) - Riverside-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Building Construction - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2162	11.1865	11.4094	0.0191		0.5440	0.5440		0.5049	0.5049	0.0000	1,813.5425	1,813.5425	0.5421		1,827.0942
<b>Total</b>	<b>1.2162</b>	<b>11.1865</b>	<b>11.4094</b>	<b>0.0191</b>		<b>0.5440</b>	<b>0.5440</b>		<b>0.5049</b>	<b>0.5049</b>	<b>0.0000</b>	<b>1,813.5425</b>	<b>1,813.5425</b>	<b>0.5421</b>		<b>1,827.0942</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0428	1.2415	0.5112	6.6400e-003	0.2434	0.0108	0.2542	0.0701	0.0103	0.0804		704.0298	704.0298	7.1800e-003	0.1040	735.2116
Worker	0.5298	0.3274	5.3194	0.0143	1.6208	7.6000e-003	1.6284	0.4298	7.0000e-003	0.4368		1,458.9944	1,458.9944	0.0333	0.0340	1,469.9642
<b>Total</b>	<b>0.5726</b>	<b>1.5688</b>	<b>5.8306</b>	<b>0.0209</b>	<b>1.8642</b>	<b>0.0184</b>	<b>1.8826</b>	<b>0.4999</b>	<b>0.0173</b>	<b>0.5173</b>		<b>2,163.0242</b>	<b>2,163.0242</b>	<b>0.0405</b>	<b>0.1381</b>	<b>2,205.1758</b>

Cottonwood & Edgemont (Construction - Unmitigated) - Riverside-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Paving - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8876	9.0845	11.5997	0.0175		0.4613	0.4613		0.4244	0.4244		1,694.065 1	1,694.065 1	0.5479		1,707.762 5
Paving	1.2733					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.1609</b>	<b>9.0845</b>	<b>11.5997</b>	<b>0.0175</b>		<b>0.4613</b>	<b>0.4613</b>		<b>0.4244</b>	<b>0.4244</b>		<b>1,694.065 1</b>	<b>1,694.065 1</b>	<b>0.5479</b>		<b>1,707.762 5</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.3800e-003	0.0980	0.0404	5.2000e-004	0.0192	8.5000e-004	0.0201	5.5300e-003	8.2000e-004	6.3500e-003		55.5813	55.5813	5.7000e-004	8.2100e-003	58.0430
Worker	0.0475	0.0294	0.4769	1.2800e-003	0.1453	6.8000e-004	0.1460	0.0385	6.3000e-004	0.0392		130.8064	130.8064	2.9900e-003	3.0500e-003	131.7899
<b>Total</b>	<b>0.0509</b>	<b>0.1274</b>	<b>0.5173</b>	<b>1.8000e-003</b>	<b>0.1645</b>	<b>1.5300e-003</b>	<b>0.1661</b>	<b>0.0441</b>	<b>1.4500e-003</b>	<b>0.0455</b>		<b>186.3877</b>	<b>186.3877</b>	<b>3.5600e-003</b>	<b>0.0113</b>	<b>189.8329</b>

Cottonwood & Edgemont (Construction - Unmitigated) - Riverside-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Paving - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8876	9.0845	11.5997	0.0175		0.4613	0.4613		0.4244	0.4244	0.0000	1,694.065 1	1,694.065 1	0.5479		1,707.762 5
Paving	1.2733					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.1609</b>	<b>9.0845</b>	<b>11.5997</b>	<b>0.0175</b>		<b>0.4613</b>	<b>0.4613</b>		<b>0.4244</b>	<b>0.4244</b>	<b>0.0000</b>	<b>1,694.065 1</b>	<b>1,694.065 1</b>	<b>0.5479</b>		<b>1,707.762 5</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.3800e-003	0.0980	0.0404	5.2000e-004	0.0192	8.5000e-004	0.0201	5.5300e-003	8.2000e-004	6.3500e-003		55.5813	55.5813	5.7000e-004	8.2100e-003	58.0430
Worker	0.0475	0.0294	0.4769	1.2800e-003	0.1453	6.8000e-004	0.1460	0.0385	6.3000e-004	0.0392		130.8064	130.8064	2.9900e-003	3.0500e-003	131.7899
<b>Total</b>	<b>0.0509</b>	<b>0.1274</b>	<b>0.5173</b>	<b>1.8000e-003</b>	<b>0.1645</b>	<b>1.5300e-003</b>	<b>0.1661</b>	<b>0.0441</b>	<b>1.4500e-003</b>	<b>0.0455</b>		<b>186.3877</b>	<b>186.3877</b>	<b>3.5600e-003</b>	<b>0.0113</b>	<b>189.8329</b>

Cottonwood & Edgemont (Construction - Unmitigated) - Riverside-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.6 Architectural Coating - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	52.0650					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2556	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944		375.2641	375.2641	0.0225		375.8253
<b>Total</b>	<b>52.3205</b>	<b>1.7373</b>	<b>2.4148</b>	<b>3.9600e-003</b>		<b>0.0944</b>	<b>0.0944</b>		<b>0.0944</b>	<b>0.0944</b>		<b>375.2641</b>	<b>375.2641</b>	<b>0.0225</b>		<b>375.8253</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.3800e-003	0.0980	0.0404	5.2000e-004	0.0192	8.5000e-004	0.0201	5.5300e-003	8.2000e-004	6.3500e-003		55.5813	55.5813	5.7000e-004	8.2100e-003	58.0430
Worker	0.1060	0.0655	1.0639	2.8500e-003	0.3242	1.5200e-003	0.3257	0.0860	1.4000e-003	0.0874		291.7989	291.7989	6.6600e-003	6.8000e-003	293.9928
<b>Total</b>	<b>0.1093</b>	<b>0.1635</b>	<b>1.1043</b>	<b>3.3700e-003</b>	<b>0.3434</b>	<b>2.3700e-003</b>	<b>0.3457</b>	<b>0.0915</b>	<b>2.2200e-003</b>	<b>0.0937</b>		<b>347.3802</b>	<b>347.3802</b>	<b>7.2300e-003</b>	<b>0.0150</b>	<b>352.0359</b>



Cottonwood & Edgemont (Construction - Unmitigated) - Riverside-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.6 Architectural Coating - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	52.0650					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2556	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944	0.0000	375.2641	375.2641	0.0225		375.8253
<b>Total</b>	<b>52.3205</b>	<b>1.7373</b>	<b>2.4148</b>	<b>3.9600e-003</b>		<b>0.0944</b>	<b>0.0944</b>		<b>0.0944</b>	<b>0.0944</b>	<b>0.0000</b>	<b>375.2641</b>	<b>375.2641</b>	<b>0.0225</b>		<b>375.8253</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.3800e-003	0.0980	0.0404	5.2000e-004	0.0192	8.5000e-004	0.0201	5.5300e-003	8.2000e-004	6.3500e-003		55.5813	55.5813	5.7000e-004	8.2100e-003	58.0430
Worker	0.1060	0.0655	1.0639	2.8500e-003	0.3242	1.5200e-003	0.3257	0.0860	1.4000e-003	0.0874		291.7989	291.7989	6.6600e-003	6.8000e-003	293.9928
<b>Total</b>	<b>0.1093</b>	<b>0.1635</b>	<b>1.1043</b>	<b>3.3700e-003</b>	<b>0.3434</b>	<b>2.3700e-003</b>	<b>0.3457</b>	<b>0.0915</b>	<b>2.2200e-003</b>	<b>0.0937</b>		<b>347.3802</b>	<b>347.3802</b>	<b>7.2300e-003</b>	<b>0.0150</b>	<b>352.0359</b>

Cottonwood & Edgemont (Construction - Unmitigated) - Riverside-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Heavy Industry	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	0.00	0.00	0.00		
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
General Heavy Industry	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

Cottonwood & Edgemont (Construction - Unmitigated) - Riverside-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
General Heavy Industry	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Other Asphalt Surfaces	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Parking Lot	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Refrigerated Warehouse-No Rail	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Cottonwood & Edgemont (Construction - Unmitigated) - Riverside-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

**5.2 Energy by Land Use - NaturalGas**

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Cottonwood & Edgemont (Construction - Unmitigated) - Riverside-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**5.2 Energy by Land Use - NaturalGas**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Cottonwood & Edgemont (Construction - Unmitigated) - Riverside-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.3224	3.8000e-004	0.0415	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0890	0.0890	2.3000e-004		0.0949
Unmitigated	2.3224	3.8000e-004	0.0415	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0890	0.0890	2.3000e-004		0.0949

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2692					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8500e-003	3.8000e-004	0.0415	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0890	0.0890	2.3000e-004		0.0949
<b>Total</b>	<b>2.3224</b>	<b>3.8000e-004</b>	<b>0.0415</b>	<b>0.0000</b>		<b>1.5000e-004</b>	<b>1.5000e-004</b>		<b>1.5000e-004</b>	<b>1.5000e-004</b>		<b>0.0890</b>	<b>0.0890</b>	<b>2.3000e-004</b>		<b>0.0949</b>

Cottonwood & Edgemont (Construction - Unmitigated) - Riverside-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2692					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8500e-003	3.8000e-004	0.0415	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0890	0.0890	2.3000e-004		0.0949
<b>Total</b>	<b>2.3224</b>	<b>3.8000e-004</b>	<b>0.0415</b>	<b>0.0000</b>		<b>1.5000e-004</b>	<b>1.5000e-004</b>		<b>1.5000e-004</b>	<b>1.5000e-004</b>		<b>0.0890</b>	<b>0.0890</b>	<b>2.3000e-004</b>		<b>0.0949</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Cottonwood & Edgemont (Construction - Unmitigated) - Riverside-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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**10.0 Stationary Equipment**

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**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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

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**AVERAGE EMISSION FACTOR  
RIVERSIDE COUNTY 2023**

Speed	LHD1	LHD2	MHD	HHD
0	0.401577	0.577227	0.039347	0.01233
5	0.036447	0.047486	0.006028	0.01277
25	0.013286	0.018582	0.002933	0.00682

Speed	Weighted Average Emissions
<b>0</b>	<b>0.12061</b>
<b>5</b>	<b>0.01741</b>
<b>25</b>	<b>0.00774</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	17			0.1206	0.68	7.819E-06
On-Site Idling - Bldg 2	17			0.1206	0.68	7.819E-06
On-Site Travel - Bldg 1	17	2.10	0.0174		0.04	5.165E-07
On-Site Travel - Bldg 2	17	2.12	0.0174		0.04	5.202E-07
Off-Site Travel - 50% Inbound Dwy 3	9	5.90	0.0077		0.05	6.336E-07
Off-Site Travel - 50% Inbound Dwy 1	9	6.57	0.0077		0.06	7.053E-07
Off-Site Travel - 50% Outbound Dwy 3	9	8.52	0.0077		0.08	9.143E-07
Off-Site Travel - 50% Outbound Dwy 1	9	7.86	0.0077		0.07	8.439E-07

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

<sup>b</sup> Emission rates determined using EMFAC 2017. 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 and each TRU idles for 30 minutes.

calendar_y	season	sub_area	vehicle_class	fuel	temperature	relative_h	process	speed	time	pollutant	emission_rate
2023	Annual	Riverside (	HHDT	Dsl	60	70	RUNEX	5		PM10	0.013015
2023	Annual	Riverside (	HHDT	Dsl	60	70	RUNEX	25		PM10	0.00695
2023	Annual	Riverside (	LHDT1	Dsl	60	70	RUNEX	5		PM10	0.071342
2023	Annual	Riverside (	LHDT1	Dsl	60	70	RUNEX	25		PM10	0.026006
2023	Annual	Riverside (	LHDT2	Dsl	60	70	RUNEX	5		PM10	0.064801
2023	Annual	Riverside (	LHDT2	Dsl	60	70	RUNEX	25		PM10	0.025357
2023	Annual	Riverside (	MHDT	Dsl	60	70	RUNEX	5		PM10	0.006736
2023	Annual	Riverside (	MHDT	Dsl	60	70	RUNEX	25		PM10	0.003278
2023	Annual	Riverside (	HHDT	Dsl			IDLEX			PM10	0.012569
2023	Annual	Riverside (	LHDT1	Dsl			IDLEX			PM10	0.786058
2023	Annual	Riverside (	LHDT2	Dsl			IDLEX			PM10	0.787704
2023	Annual	Riverside (	MHDT	Dsl			IDLEX			PM10	0.043967

Source: EMFAC2017 (v1.0.3) Emissions Inventory

Region Type: County

Region: RIVERSIDE COUNTY

Calendar Year: 2023

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar	Vehicle C	Model Yea	Speed	Fuel	Population
Riverside (	2023	HHDT	Aggregate	Aggregate	Gasoline	6.287049
Riverside (	2023	HHDT	Aggregate	Aggregate	Diesel	15994.3
Riverside (	2023	HHDT	Aggregate	Aggregate	Natural Gas	297.8339
Riverside (	2023	LHDT1	Aggregate	Aggregate	Gasoline	15202.19
Riverside (	2023	LHDT1	Aggregate	Aggregate	Diesel	15878.18
Riverside (	2023	LHDT2	Aggregate	Aggregate	Gasoline	2254.447
Riverside (	2023	LHDT2	Aggregate	Aggregate	Diesel	6182.746
Riverside (	2023	MHDT	Aggregate	Aggregate	Gasoline	1361.919
Riverside (	2023	MHDT	Aggregate	Aggregate	Diesel	11600.11

HHDT% GAS/NG	0.01866
HHDT% DSL	0.98134
LHDT1% GAS	0.48913
LHDT1% DSL	0.51087
LHDT2% GAS	0.2672
LHDT2% DSL	0.7328
MHDT% GAS	0.10507
MHDT% DSL	0.89493

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

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\*\* AERMOD Input Produced by:

\*\* AERMOD View Ver. 11.2.0

\*\* Lakes Environmental Software Inc.

\*\* Date: 1/11/2023

\*\* File: C:\Lakes\AERMOD View\14555 Lakes HRA Files\14555 Cottonwood and Edgemont\14555 Construction\14555 Construction.ADI

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\*\* AERMOD Control Pathway

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CO STARTING

TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14555 Cottonwood and Edgemont\1

MODELOPT DFAULT CONC

AVERTIME ANNUAL

URBANOPT 2189641

POLLUTID DPM

RUNORNOT RUN

ERRORFIL "14555 Construction.err"

CO FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Source Pathway

\*\*\*\*\*

\*\*

\*\*

SO STARTING

\*\* Source Location \*\*

\*\* Source ID - Type - X Coord. - Y Coord. \*\*

LOCATION VOL1	VOLUME	473652.928	3753668.718	463.870
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LOCATION VOL2	VOLUME	473676.933	3753676.866	463.900
---------------	--------	------------	-------------	---------

LOCATION VOL3	VOLUME	473710.159	3753719.163	463.440
---------------	--------	------------	-------------	---------

LOCATION VOL4	VOLUME	473723.004	3753719.364	463.940
---------------	--------	------------	-------------	---------

LOCATION VOL5	VOLUME	473700.335	3753685.522	464.190
---------------	--------	------------	-------------	---------

LOCATION VOL6	VOLUME	473742.672	3753707.121	465.180
---------------	--------	------------	-------------	---------

LOCATION VOL7	VOLUME	473710.210	3753695.079	463.800
---------------	--------	------------	-------------	---------

LOCATION VOL8	VOLUME	473742.472	3753683.439	465.890
---------------	--------	------------	-------------	---------

LOCATION VOL9	VOLUME	473613.623	3753627.042	465.080
---------------	--------	------------	-------------	---------

LOCATION VOL10	VOLUME	473626.669	3753635.672	465.810
----------------	--------	------------	-------------	---------

LOCATION VOL11	VOLUME	473650.953	3753644.302	466.080
----------------	--------	------------	-------------	---------

LOCATION VOL12	VOLUME	473674.435	3753652.330	465.580
----------------	--------	------------	-------------	---------

LOCATION VOL13	VOLUME	473698.720	3753661.161	465.340
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LOCATION VOL14	VOLUME	473723.205	3753670.795	465.560
----------------	--------	------------	-------------	---------

LOCATION VOL15	VOLUME	473747.289	3753664.372	466.250
LOCATION VOL16	VOLUME	473757.362	3753664.372	466.590
LOCATION VOL17	VOLUME	473781.499	3753664.356	467.160
LOCATION VOL18	VOLUME	473781.608	3753640.489	467.400
LOCATION VOL19	VOLUME	473757.524	3753640.489	466.680
LOCATION VOL20	VOLUME	473733.641	3753646.510	466.000
LOCATION VOL21	VOLUME	473709.758	3753647.112	465.980
LOCATION VOL22	VOLUME	473621.451	3753603.360	465.090
LOCATION VOL23	VOLUME	473637.707	3753620.018	466.180
LOCATION VOL24	VOLUME	473661.791	3753629.451	466.570
LOCATION VOL25	VOLUME	473685.473	3753637.479	466.300
LOCATION VOL26	VOLUME	473630.281	3753579.678	465.500
LOCATION VOL27	VOLUME	473645.102	3753595.904	466.110
LOCATION VOL28	VOLUME	473661.650	3753605.287	466.920
LOCATION VOL29	VOLUME	473685.533	3753612.793	467.100
LOCATION VOL30	VOLUME	473709.416	3753623.029	466.790
LOCATION VOL31	VOLUME	473733.982	3753622.346	466.810
LOCATION VOL32	VOLUME	473758.206	3753616.375	467.000
LOCATION VOL33	VOLUME	473781.749	3753616.717	467.400
LOCATION VOL34	VOLUME	473782.090	3753592.492	467.880
LOCATION VOL35	VOLUME	473757.865	3753592.151	467.490
LOCATION VOL36	VOLUME	473734.153	3753598.292	467.000
LOCATION VOL37	VOLUME	473710.099	3753598.634	467.000
LOCATION VOL38	VOLUME	473685.704	3753588.910	467.740
LOCATION VOL39	VOLUME	473661.479	3753581.233	466.720
LOCATION VOL40	VOLUME	473645.102	3753572.191	465.920
LOCATION VOL41	VOLUME	473639.131	3753555.132	466.030
LOCATION VOL42	VOLUME	473663.185	3753557.179	466.460
LOCATION VOL43	VOLUME	473685.363	3753564.856	467.360
LOCATION VOL44	VOLUME	473709.928	3753574.239	467.410
LOCATION VOL45	VOLUME	473733.470	3753574.068	467.420
LOCATION VOL46	VOLUME	473782.090	3753585.498	468.010
LOCATION VOL47	VOLUME	473757.524	3753576.968	467.730
LOCATION VOL48	VOLUME	473709.587	3753560.250	467.880
LOCATION VOL49	VOLUME	473733.470	3753567.756	467.630
LOCATION VOL50	VOLUME	473686.045	3753551.038	467.170
LOCATION VOL51	VOLUME	473662.673	3753541.996	466.710
LOCATION VOL52	VOLUME	473645.273	3753536.537	466.570

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE1

\*\* DESCRSRC

\*\* PREFIX

\*\* Length of Side = 14.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.0003374849

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 7

\*\* 473572.802, 3753654.609, 463.94, 3.49, 6.51

\*\* 473645.681, 3753451.332, 467.00, 3.49, 6.51  
 \*\* 473759.412, 3753127.460, 468.54, 3.49, 6.51  
 \*\* 473821.507, 3752963.727, 469.00, 3.49, 6.51  
 \*\* 473664.636, 3752963.727, 467.00, 3.49, 6.51  
 \*\* 473517.244, 3752963.727, 463.55, 3.49, 6.51  
 \*\* 473310.698, 3752963.400, 465.00, 3.49, 6.51

\*\* -----

LOCATION L0000001	VOLUME	473575.165	3753648.020	463.95
LOCATION L0000002	VOLUME	473579.889	3753634.841	464.00
LOCATION L0000003	VOLUME	473584.614	3753621.663	464.00
LOCATION L0000004	VOLUME	473589.339	3753608.484	464.00
LOCATION L0000005	VOLUME	473594.064	3753595.305	464.15
LOCATION L0000006	VOLUME	473598.789	3753582.127	464.45
LOCATION L0000007	VOLUME	473603.513	3753568.948	465.05
LOCATION L0000008	VOLUME	473608.238	3753555.769	465.62
LOCATION L0000009	VOLUME	473612.963	3753542.591	465.78
LOCATION L0000010	VOLUME	473617.688	3753529.412	465.93
LOCATION L0000011	VOLUME	473622.413	3753516.234	466.06
LOCATION L0000012	VOLUME	473627.137	3753503.055	466.05
LOCATION L0000013	VOLUME	473631.862	3753489.876	466.22
LOCATION L0000014	VOLUME	473636.587	3753476.698	466.66
LOCATION L0000015	VOLUME	473641.312	3753463.519	467.00
LOCATION L0000016	VOLUME	473646.030	3753450.338	467.00
LOCATION L0000017	VOLUME	473650.669	3753437.129	467.03
LOCATION L0000018	VOLUME	473655.307	3753423.920	467.53
LOCATION L0000019	VOLUME	473659.946	3753410.710	467.91
LOCATION L0000020	VOLUME	473664.584	3753397.501	468.00
LOCATION L0000021	VOLUME	473669.223	3753384.292	468.00
LOCATION L0000022	VOLUME	473673.862	3753371.083	468.00
LOCATION L0000023	VOLUME	473678.500	3753357.874	468.00
LOCATION L0000024	VOLUME	473683.139	3753344.664	468.00
LOCATION L0000025	VOLUME	473687.777	3753331.455	468.00
LOCATION L0000026	VOLUME	473692.416	3753318.246	468.00
LOCATION L0000027	VOLUME	473697.054	3753305.037	468.00
LOCATION L0000028	VOLUME	473701.693	3753291.827	468.00
LOCATION L0000029	VOLUME	473706.331	3753278.618	468.21
LOCATION L0000030	VOLUME	473710.970	3753265.409	468.72
LOCATION L0000031	VOLUME	473715.609	3753252.200	468.88
LOCATION L0000032	VOLUME	473720.247	3753238.990	468.62
LOCATION L0000033	VOLUME	473724.886	3753225.781	468.51
LOCATION L0000034	VOLUME	473729.524	3753212.572	468.66
LOCATION L0000035	VOLUME	473734.163	3753199.363	468.82
LOCATION L0000036	VOLUME	473738.801	3753186.154	468.97
LOCATION L0000037	VOLUME	473743.440	3753172.944	469.00
LOCATION L0000038	VOLUME	473748.079	3753159.735	468.84
LOCATION L0000039	VOLUME	473752.717	3753146.526	468.62
LOCATION L0000040	VOLUME	473757.356	3753133.317	468.59
LOCATION L0000041	VOLUME	473762.176	3753120.174	468.75
LOCATION L0000042	VOLUME	473767.140	3753107.083	468.92
LOCATION L0000043	VOLUME	473772.104	3753093.993	468.58

LOCATION L0000044	VOLUME	473777.069	3753080.903	468.14
LOCATION L0000045	VOLUME	473782.033	3753067.813	468.00
LOCATION L0000046	VOLUME	473786.997	3753054.722	468.00
LOCATION L0000047	VOLUME	473791.962	3753041.632	467.96
LOCATION L0000048	VOLUME	473796.926	3753028.542	467.95
LOCATION L0000049	VOLUME	473801.891	3753015.452	468.07
LOCATION L0000050	VOLUME	473806.855	3753002.361	468.24
LOCATION L0000051	VOLUME	473811.819	3752989.271	468.41
LOCATION L0000052	VOLUME	473816.784	3752976.181	468.72
LOCATION L0000053	VOLUME	473820.826	3752963.727	468.93
LOCATION L0000054	VOLUME	473806.826	3752963.727	468.82
LOCATION L0000055	VOLUME	473792.826	3752963.727	468.59
LOCATION L0000056	VOLUME	473778.826	3752963.727	468.23
LOCATION L0000057	VOLUME	473764.826	3752963.727	468.00
LOCATION L0000058	VOLUME	473750.826	3752963.727	468.00
LOCATION L0000059	VOLUME	473736.826	3752963.727	467.91
LOCATION L0000060	VOLUME	473722.826	3752963.727	467.44
LOCATION L0000061	VOLUME	473708.826	3752963.727	467.00
LOCATION L0000062	VOLUME	473694.826	3752963.727	467.00
LOCATION L0000063	VOLUME	473680.826	3752963.727	467.00
LOCATION L0000064	VOLUME	473666.826	3752963.727	467.00
LOCATION L0000065	VOLUME	473652.826	3752963.727	467.00
LOCATION L0000066	VOLUME	473638.826	3752963.727	466.91
LOCATION L0000067	VOLUME	473624.826	3752963.727	466.80
LOCATION L0000068	VOLUME	473610.826	3752963.727	466.54
LOCATION L0000069	VOLUME	473596.826	3752963.727	466.18
LOCATION L0000070	VOLUME	473582.826	3752963.727	465.77
LOCATION L0000071	VOLUME	473568.826	3752963.727	465.31
LOCATION L0000072	VOLUME	473554.826	3752963.727	464.84
LOCATION L0000073	VOLUME	473540.826	3752963.727	464.37
LOCATION L0000074	VOLUME	473526.826	3752963.727	463.91
LOCATION L0000075	VOLUME	473512.826	3752963.720	463.44
LOCATION L0000076	VOLUME	473498.826	3752963.698	463.00
LOCATION L0000077	VOLUME	473484.826	3752963.676	463.00
LOCATION L0000078	VOLUME	473470.826	3752963.654	463.00
LOCATION L0000079	VOLUME	473456.826	3752963.632	463.43
LOCATION L0000080	VOLUME	473442.826	3752963.609	463.89
LOCATION L0000081	VOLUME	473428.826	3752963.587	464.00
LOCATION L0000082	VOLUME	473414.826	3752963.565	464.00
LOCATION L0000083	VOLUME	473400.826	3752963.543	464.29
LOCATION L0000084	VOLUME	473386.826	3752963.521	464.76
LOCATION L0000085	VOLUME	473372.826	3752963.499	465.00
LOCATION L0000086	VOLUME	473358.826	3752963.476	465.00
LOCATION L0000087	VOLUME	473344.826	3752963.454	465.00
LOCATION L0000088	VOLUME	473330.826	3752963.432	465.00
LOCATION L0000089	VOLUME	473316.826	3752963.410	464.98

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

LOCATION VOL53	VOLUME	473604.526	3753651.164	464.690
LOCATION VOL54	VOLUME	473628.745	3753659.961	464.660
LOCATION VOL55	VOLUME	473718.887	3753695.475	464.240



	SRCPARAM VOL50	0.0001804286	5.000	5.600	1.400
	SRCPARAM VOL51	0.0001804286	5.000	5.600	1.400
	SRCPARAM VOL52	0.0001804286	5.000	5.600	1.400
**	LINE VOLUME Source ID = SLINE1				
	SRCPARAM L0000001	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000002	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000003	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000004	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000005	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000006	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000007	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000008	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000009	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000010	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000011	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000012	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000013	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000014	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000015	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000016	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000017	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000018	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000019	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000020	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000021	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000022	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000023	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000024	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000025	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000026	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000027	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000028	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000029	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000030	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000031	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000032	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000033	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000034	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000035	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000036	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000037	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000038	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000039	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000040	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000041	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000042	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000043	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000044	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000045	0.000003792	3.49	6.51	3.25
	SRCPARAM L0000046	0.000003792	3.49	6.51	3.25

SRCPARAM L0000047	0.000003792	3.49	6.51	3.25
SRCPARAM L0000048	0.000003792	3.49	6.51	3.25
SRCPARAM L0000049	0.000003792	3.49	6.51	3.25
SRCPARAM L0000050	0.000003792	3.49	6.51	3.25
SRCPARAM L0000051	0.000003792	3.49	6.51	3.25
SRCPARAM L0000052	0.000003792	3.49	6.51	3.25
SRCPARAM L0000053	0.000003792	3.49	6.51	3.25
SRCPARAM L0000054	0.000003792	3.49	6.51	3.25
SRCPARAM L0000055	0.000003792	3.49	6.51	3.25
SRCPARAM L0000056	0.000003792	3.49	6.51	3.25
SRCPARAM L0000057	0.000003792	3.49	6.51	3.25
SRCPARAM L0000058	0.000003792	3.49	6.51	3.25
SRCPARAM L0000059	0.000003792	3.49	6.51	3.25
SRCPARAM L0000060	0.000003792	3.49	6.51	3.25
SRCPARAM L0000061	0.000003792	3.49	6.51	3.25
SRCPARAM L0000062	0.000003792	3.49	6.51	3.25
SRCPARAM L0000063	0.000003792	3.49	6.51	3.25
SRCPARAM L0000064	0.000003792	3.49	6.51	3.25
SRCPARAM L0000065	0.000003792	3.49	6.51	3.25
SRCPARAM L0000066	0.000003792	3.49	6.51	3.25
SRCPARAM L0000067	0.000003792	3.49	6.51	3.25
SRCPARAM L0000068	0.000003792	3.49	6.51	3.25
SRCPARAM L0000069	0.000003792	3.49	6.51	3.25
SRCPARAM L0000070	0.000003792	3.49	6.51	3.25
SRCPARAM L0000071	0.000003792	3.49	6.51	3.25
SRCPARAM L0000072	0.000003792	3.49	6.51	3.25
SRCPARAM L0000073	0.000003792	3.49	6.51	3.25
SRCPARAM L0000074	0.000003792	3.49	6.51	3.25
SRCPARAM L0000075	0.000003792	3.49	6.51	3.25
SRCPARAM L0000076	0.000003792	3.49	6.51	3.25
SRCPARAM L0000077	0.000003792	3.49	6.51	3.25
SRCPARAM L0000078	0.000003792	3.49	6.51	3.25
SRCPARAM L0000079	0.000003792	3.49	6.51	3.25
SRCPARAM L0000080	0.000003792	3.49	6.51	3.25
SRCPARAM L0000081	0.000003792	3.49	6.51	3.25
SRCPARAM L0000082	0.000003792	3.49	6.51	3.25
SRCPARAM L0000083	0.000003792	3.49	6.51	3.25
SRCPARAM L0000084	0.000003792	3.49	6.51	3.25
SRCPARAM L0000085	0.000003792	3.49	6.51	3.25
SRCPARAM L0000086	0.000003792	3.49	6.51	3.25
SRCPARAM L0000087	0.000003792	3.49	6.51	3.25
SRCPARAM L0000088	0.000003792	3.49	6.51	3.25
SRCPARAM L0000089	0.000003792	3.49	6.51	3.25

\*\*

SRCPARAM VOL53	0.0001804286	5.000	5.600	1.400
SRCPARAM VOL54	0.0001804286	5.000	5.600	1.400
SRCPARAM VOL55	0.0001804286	5.000	5.600	1.400
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 VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL3      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL4      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0

```





EMISFACT VOL7	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL7	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL7	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL7	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL7	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
EMISFACT VOL8	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL8	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL8	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL8	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL8	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL8	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL8	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL8	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL8	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL8	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL8	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL8	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
EMISFACT VOL9	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL9	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL9	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL9	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL9	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL9	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL9	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL9	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL9	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL9	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL9	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL9	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
EMISFACT VOL10	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL10	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL10	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL10	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL10	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL10	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL10	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL10	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL10	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL10	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL10	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0



























EMISFACT VOL50	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
EMISFACT VOL51	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL51	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL51	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL51	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL51	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL51	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL51	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL51	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL51	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL51	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL51	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL51	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
EMISFACT VOL52	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL52	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL52	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL52	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL52	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL52	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL52	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL52	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL52	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL52	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL52	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL52	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
EMISFACT L0000001	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000001	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000001	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000001	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000002	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000002	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000002	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000002	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000003	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000003	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000003	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000003	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000004	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000004	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000004	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000004	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000005	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000005	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0

















































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EMISFACT L0000089      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000089      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays :
EMISFACT VOL53         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL53         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL53         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL53         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday :
EMISFACT VOL53         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL53         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL53         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL53         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday :
EMISFACT VOL53         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL53         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL53         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL53         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays :
EMISFACT VOL54         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL54         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL54         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL54         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday :
EMISFACT VOL54         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL54         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL54         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL54         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday :
EMISFACT VOL54         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL54         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL54         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL54         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays :
EMISFACT VOL55         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL55         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL55         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL55         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday :
EMISFACT VOL55         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL55         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL55         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL55         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday :
EMISFACT VOL55         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL55         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL55         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL55         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 "14555 Construction.rou"

RE FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Meteorology Pathway

\*\*\*\*\*

\*\*

\*\*

ME STARTING

SURFFILE PERI\_V9\_ADJU\PERI\_v9.SFC

PROFFILE PERI\_V9\_ADJU\PERI\_v9.PFL

SURFDATA 3171 2010

UAIRDATA 3190 2010

SITEDATA 99999 2010

PROFBASE 442.0 METERS

ME FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Output Pathway

\*\*\*\*\*

\*\*

\*\*

OU STARTING

\*\* Auto-Generated Plotfiles

PLOTFILE ANNUAL ALL "14555 CONSTRUCTION.AD\AN00GALL.PLT" 31

SUMMFILE "14555 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 2271 MEOPEN: THRESH\_1MIN 1-min ASOS wind speed threshold used

0.50

ME W187 2271 MEOPEN: ADJ\_U\* Option for Stable Low Winds used in AERMET

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

▲ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14555  
Cottonwood and Edgemont\1 \*\*\* 01/11/23  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 14:05:52

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

\*\*\* MODEL SETUP OPTIONS SUMMARY

\*\*\*

\*\* Model Options Selected:

- \* Model Uses Regulatory DEFAULT Options
- \* Model Is Setup For Calculation of Average CONCentration Values.
- \* NO GAS DEPOSITION Data Provided.
- \* NO PARTICLE DEPOSITION Data Provided.
- \* Model Uses NO DRY DEPLETION. DDPLETE = F
- \* Model Uses NO WET DEPLETION. WETDPLT = F
- \* Stack-tip Downwash.
- \* Model Accounts for ELEVated Terrain Effects.
- \* Use Calms Processing Routine.
- \* Use Missing Data Processing Routine.
- \* No Exponential Decay.
- \* Model Uses URBAN Dispersion Algorithm for the SBL for 144 Source(s),  
for Total of 1 Urban Area(s):  
Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m
- \* Urban Roughness Length of 1.0 Meter Used.
- \* ADJ\_U\* - Use ADJ\_U\* option for SBL in AERMET
- \* CCVR\_Sub - Meteorological data includes CCVR substitutions
- \* TEMP\_Sub - Meteorological data includes TEMP substitutions
- \* Model Assumes No FLAGPOLE Receptor Heights.
- \* The User Specified a Pollutant Type of: DPM

\*\*Model Calculates ANNUAL Averages Only

\*\*This Run Includes: 144 Source(s); 1 Source Group(s); and 50  
Receptor(s)

with: 0 POINT(s), including  
0 POINTCAP(s) and 0 POINTHOR(s)

and: 144 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) = 442.00 ; 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 = 3.6 MB of RAM.

\*\*Input Runstream File: aermod.inp

\*\*Output Print File: aermod.out

\*\*Detailed Error/Message File: 14555 Construction.err

\*\*File for Summary of Results: 14555 Construction.sum

▲ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14555  
Cottonwood and Edgemont\1 \*\*\* 01/11/23  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 14:05:52

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



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

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SOURCE		EMISSION	RATE	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
ID		CATS.	BY						
(METERS)									
VOL1		0	0.18043E-03	473652.9	3753668.7	463.9	5.00	5.60	
1.40	YES	HRDOW							
VOL2		0	0.18043E-03	473676.9	3753676.9	463.9	5.00	5.60	
1.40	YES	HRDOW							
VOL3		0	0.18043E-03	473710.2	3753719.2	463.4	5.00	5.60	
1.40	YES	HRDOW							
VOL4		0	0.18043E-03	473723.0	3753719.4	463.9	5.00	5.60	
1.40	YES	HRDOW							
VOL5		0	0.18043E-03	473700.3	3753685.5	464.2	5.00	5.60	
1.40	YES	HRDOW							
VOL6		0	0.18043E-03	473742.7	3753707.1	465.2	5.00	5.60	
1.40	YES	HRDOW							
VOL7		0	0.18043E-03	473710.2	3753695.1	463.8	5.00	5.60	
1.40	YES	HRDOW							
VOL8		0	0.18043E-03	473742.5	3753683.4	465.9	5.00	5.60	
1.40	YES	HRDOW							
VOL9		0	0.18043E-03	473613.6	3753627.0	465.1	5.00	5.60	
1.40	YES	HRDOW							
VOL10		0	0.18043E-03	473626.7	3753635.7	465.8	5.00	5.60	
1.40	YES	HRDOW							
VOL11		0	0.18043E-03	473651.0	3753644.3	466.1	5.00	5.60	
1.40	YES	HRDOW							
VOL12		0	0.18043E-03	473674.4	3753652.3	465.6	5.00	5.60	
1.40	YES	HRDOW							
VOL13		0	0.18043E-03	473698.7	3753661.2	465.3	5.00	5.60	
1.40	YES	HRDOW							
VOL14		0	0.18043E-03	473723.2	3753670.8	465.6	5.00	5.60	
1.40	YES	HRDOW							
VOL15		0	0.18043E-03	473747.3	3753664.4	466.2	5.00	5.60	
1.40	YES	HRDOW							
VOL16		0	0.18043E-03	473757.4	3753664.4	466.6	5.00	5.60	
1.40	YES	HRDOW							
VOL17		0	0.18043E-03	473781.5	3753664.4	467.2	5.00	5.60	
1.40	YES	HRDOW							
VOL18		0	0.18043E-03	473781.6	3753640.5	467.4	5.00	5.60	
1.40	YES	HRDOW							
VOL19		0	0.18043E-03	473757.5	3753640.5	466.7	5.00	5.60	

1.40	YES	HRDOW						
VOL20		0	0.18043E-03	473733.6	3753646.5	466.0	5.00	5.60
1.40	YES	HRDOW						
VOL21		0	0.18043E-03	473709.8	3753647.1	466.0	5.00	5.60
1.40	YES	HRDOW						
VOL22		0	0.18043E-03	473621.5	3753603.4	465.1	5.00	5.60
1.40	YES	HRDOW						
VOL23		0	0.18043E-03	473637.7	3753620.0	466.2	5.00	5.60
1.40	YES	HRDOW						
VOL24		0	0.18043E-03	473661.8	3753629.5	466.6	5.00	5.60
1.40	YES	HRDOW						
VOL25		0	0.18043E-03	473685.5	3753637.5	466.3	5.00	5.60
1.40	YES	HRDOW						
VOL26		0	0.18043E-03	473630.3	3753579.7	465.5	5.00	5.60
1.40	YES	HRDOW						
VOL27		0	0.18043E-03	473645.1	3753595.9	466.1	5.00	5.60
1.40	YES	HRDOW						
VOL28		0	0.18043E-03	473661.6	3753605.3	466.9	5.00	5.60
1.40	YES	HRDOW						
VOL29		0	0.18043E-03	473685.5	3753612.8	467.1	5.00	5.60
1.40	YES	HRDOW						
VOL30		0	0.18043E-03	473709.4	3753623.0	466.8	5.00	5.60
1.40	YES	HRDOW						
VOL31		0	0.18043E-03	473734.0	3753622.3	466.8	5.00	5.60
1.40	YES	HRDOW						
VOL32		0	0.18043E-03	473758.2	3753616.4	467.0	5.00	5.60
1.40	YES	HRDOW						
VOL33		0	0.18043E-03	473781.7	3753616.7	467.4	5.00	5.60
1.40	YES	HRDOW						
VOL34		0	0.18043E-03	473782.1	3753592.5	467.9	5.00	5.60
1.40	YES	HRDOW						
VOL35		0	0.18043E-03	473757.9	3753592.2	467.5	5.00	5.60
1.40	YES	HRDOW						
VOL36		0	0.18043E-03	473734.2	3753598.3	467.0	5.00	5.60
1.40	YES	HRDOW						
VOL37		0	0.18043E-03	473710.1	3753598.6	467.0	5.00	5.60
1.40	YES	HRDOW						
VOL38		0	0.18043E-03	473685.7	3753588.9	467.7	5.00	5.60
1.40	YES	HRDOW						
VOL39		0	0.18043E-03	473661.5	3753581.2	466.7	5.00	5.60
1.40	YES	HRDOW						
VOL40		0	0.18043E-03	473645.1	3753572.2	465.9	5.00	5.60
1.40	YES	HRDOW						

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 Cottonwood and Edgemont\1 \*\*\*      01/11/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      14:05:52

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

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

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SOURCE		EMISSION	RATE	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
ID		CATS.	BY						
(METERS)									
VOL41		0	0.18043E-03	473639.1	3753555.1	466.0	5.00	5.60	
1.40	YES	HRDOW							
VOL42		0	0.18043E-03	473663.2	3753557.2	466.5	5.00	5.60	
1.40	YES	HRDOW							
VOL43		0	0.18043E-03	473685.4	3753564.9	467.4	5.00	5.60	
1.40	YES	HRDOW							
VOL44		0	0.18043E-03	473709.9	3753574.2	467.4	5.00	5.60	
1.40	YES	HRDOW							
VOL45		0	0.18043E-03	473733.5	3753574.1	467.4	5.00	5.60	
1.40	YES	HRDOW							
VOL46		0	0.18043E-03	473782.1	3753585.5	468.0	5.00	5.60	
1.40	YES	HRDOW							
VOL47		0	0.18043E-03	473757.5	3753577.0	467.7	5.00	5.60	
1.40	YES	HRDOW							
VOL48		0	0.18043E-03	473709.6	3753560.2	467.9	5.00	5.60	
1.40	YES	HRDOW							
VOL49		0	0.18043E-03	473733.5	3753567.8	467.6	5.00	5.60	
1.40	YES	HRDOW							
VOL50		0	0.18043E-03	473686.0	3753551.0	467.2	5.00	5.60	
1.40	YES	HRDOW							
VOL51		0	0.18043E-03	473662.7	3753542.0	466.7	5.00	5.60	
1.40	YES	HRDOW							
VOL52		0	0.18043E-03	473645.3	3753536.5	466.6	5.00	5.60	
1.40	YES	HRDOW							
L0000001		0	0.37920E-05	473575.2	3753648.0	463.9	3.49	6.51	
3.25	YES	HRDOW							
L0000002		0	0.37920E-05	473579.9	3753634.8	464.0	3.49	6.51	
3.25	YES	HRDOW							
L0000003		0	0.37920E-05	473584.6	3753621.7	464.0	3.49	6.51	
3.25	YES	HRDOW							
L0000004		0	0.37920E-05	473589.3	3753608.5	464.0	3.49	6.51	
3.25	YES	HRDOW							
L0000005		0	0.37920E-05	473594.1	3753595.3	464.2	3.49	6.51	
3.25	YES	HRDOW							
L0000006		0	0.37920E-05	473598.8	3753582.1	464.4	3.49	6.51	
3.25	YES	HRDOW							
L0000007		0	0.37920E-05	473603.5	3753568.9	465.1	3.49	6.51	

3.25	YES	HRDOW						
L0000008		0	0.37920E-05	473608.2	3753555.8	465.6	3.49	6.51
3.25	YES	HRDOW						
L0000009		0	0.37920E-05	473613.0	3753542.6	465.8	3.49	6.51
3.25	YES	HRDOW						
L0000010		0	0.37920E-05	473617.7	3753529.4	465.9	3.49	6.51
3.25	YES	HRDOW						
L0000011		0	0.37920E-05	473622.4	3753516.2	466.1	3.49	6.51
3.25	YES	HRDOW						
L0000012		0	0.37920E-05	473627.1	3753503.1	466.1	3.49	6.51
3.25	YES	HRDOW						
L0000013		0	0.37920E-05	473631.9	3753489.9	466.2	3.49	6.51
3.25	YES	HRDOW						
L0000014		0	0.37920E-05	473636.6	3753476.7	466.7	3.49	6.51
3.25	YES	HRDOW						
L0000015		0	0.37920E-05	473641.3	3753463.5	467.0	3.49	6.51
3.25	YES	HRDOW						
L0000016		0	0.37920E-05	473646.0	3753450.3	467.0	3.49	6.51
3.25	YES	HRDOW						
L0000017		0	0.37920E-05	473650.7	3753437.1	467.0	3.49	6.51
3.25	YES	HRDOW						
L0000018		0	0.37920E-05	473655.3	3753423.9	467.5	3.49	6.51
3.25	YES	HRDOW						
L0000019		0	0.37920E-05	473659.9	3753410.7	467.9	3.49	6.51
3.25	YES	HRDOW						
L0000020		0	0.37920E-05	473664.6	3753397.5	468.0	3.49	6.51
3.25	YES	HRDOW						
L0000021		0	0.37920E-05	473669.2	3753384.3	468.0	3.49	6.51
3.25	YES	HRDOW						
L0000022		0	0.37920E-05	473673.9	3753371.1	468.0	3.49	6.51
3.25	YES	HRDOW						
L0000023		0	0.37920E-05	473678.5	3753357.9	468.0	3.49	6.51
3.25	YES	HRDOW						
L0000024		0	0.37920E-05	473683.1	3753344.7	468.0	3.49	6.51
3.25	YES	HRDOW						
L0000025		0	0.37920E-05	473687.8	3753331.5	468.0	3.49	6.51
3.25	YES	HRDOW						
L0000026		0	0.37920E-05	473692.4	3753318.2	468.0	3.49	6.51
3.25	YES	HRDOW						
L0000027		0	0.37920E-05	473697.1	3753305.0	468.0	3.49	6.51
3.25	YES	HRDOW						
L0000028		0	0.37920E-05	473701.7	3753291.8	468.0	3.49	6.51

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

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

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SOURCE		EMISSION	RATE		X	Y			
SZ	SOURCE	PART.	(GRAMS/SEC)				ELEV.	HEIGHT	SY
ID		SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY						
L0000029		0	0.37920E-05		473706.3	3753278.6	468.2	3.49	6.51
3.25	YES	HRDOW							
L0000030		0	0.37920E-05		473711.0	3753265.4	468.7	3.49	6.51
3.25	YES	HRDOW							
L0000031		0	0.37920E-05		473715.6	3753252.2	468.9	3.49	6.51
3.25	YES	HRDOW							
L0000032		0	0.37920E-05		473720.2	3753239.0	468.6	3.49	6.51
3.25	YES	HRDOW							
L0000033		0	0.37920E-05		473724.9	3753225.8	468.5	3.49	6.51
3.25	YES	HRDOW							
L0000034		0	0.37920E-05		473729.5	3753212.6	468.7	3.49	6.51
3.25	YES	HRDOW							
L0000035		0	0.37920E-05		473734.2	3753199.4	468.8	3.49	6.51
3.25	YES	HRDOW							
L0000036		0	0.37920E-05		473738.8	3753186.2	469.0	3.49	6.51
3.25	YES	HRDOW							
L0000037		0	0.37920E-05		473743.4	3753172.9	469.0	3.49	6.51
3.25	YES	HRDOW							
L0000038		0	0.37920E-05		473748.1	3753159.7	468.8	3.49	6.51
3.25	YES	HRDOW							
L0000039		0	0.37920E-05		473752.7	3753146.5	468.6	3.49	6.51
3.25	YES	HRDOW							
L0000040		0	0.37920E-05		473757.4	3753133.3	468.6	3.49	6.51
3.25	YES	HRDOW							
L0000041		0	0.37920E-05		473762.2	3753120.2	468.8	3.49	6.51
3.25	YES	HRDOW							
L0000042		0	0.37920E-05		473767.1	3753107.1	468.9	3.49	6.51
3.25	YES	HRDOW							
L0000043		0	0.37920E-05		473772.1	3753094.0	468.6	3.49	6.51
3.25	YES	HRDOW							
L0000044		0	0.37920E-05		473777.1	3753080.9	468.1	3.49	6.51
3.25	YES	HRDOW							
L0000045		0	0.37920E-05		473782.0	3753067.8	468.0	3.49	6.51
3.25	YES	HRDOW							
L0000046		0	0.37920E-05		473787.0	3753054.7	468.0	3.49	6.51
3.25	YES	HRDOW							
L0000047		0	0.37920E-05		473792.0	3753041.6	468.0	3.49	6.51

3.25	YES	HRDOW							
L0000048		0	0.37920E-05	473796.9	3753028.5	467.9	3.49	6.51	
3.25	YES	HRDOW							
L0000049		0	0.37920E-05	473801.9	3753015.5	468.1	3.49	6.51	
3.25	YES	HRDOW							
L0000050		0	0.37920E-05	473806.9	3753002.4	468.2	3.49	6.51	
3.25	YES	HRDOW							
L0000051		0	0.37920E-05	473811.8	3752989.3	468.4	3.49	6.51	
3.25	YES	HRDOW							
L0000052		0	0.37920E-05	473816.8	3752976.2	468.7	3.49	6.51	
3.25	YES	HRDOW							
L0000053		0	0.37920E-05	473820.8	3752963.7	468.9	3.49	6.51	
3.25	YES	HRDOW							
L0000054		0	0.37920E-05	473806.8	3752963.7	468.8	3.49	6.51	
3.25	YES	HRDOW							
L0000055		0	0.37920E-05	473792.8	3752963.7	468.6	3.49	6.51	
3.25	YES	HRDOW							
L0000056		0	0.37920E-05	473778.8	3752963.7	468.2	3.49	6.51	
3.25	YES	HRDOW							
L0000057		0	0.37920E-05	473764.8	3752963.7	468.0	3.49	6.51	
3.25	YES	HRDOW							
L0000058		0	0.37920E-05	473750.8	3752963.7	468.0	3.49	6.51	
3.25	YES	HRDOW							
L0000059		0	0.37920E-05	473736.8	3752963.7	467.9	3.49	6.51	
3.25	YES	HRDOW							
L0000060		0	0.37920E-05	473722.8	3752963.7	467.4	3.49	6.51	
3.25	YES	HRDOW							
L0000061		0	0.37920E-05	473708.8	3752963.7	467.0	3.49	6.51	
3.25	YES	HRDOW							
L0000062		0	0.37920E-05	473694.8	3752963.7	467.0	3.49	6.51	
3.25	YES	HRDOW							
L0000063		0	0.37920E-05	473680.8	3752963.7	467.0	3.49	6.51	
3.25	YES	HRDOW							
L0000064		0	0.37920E-05	473666.8	3752963.7	467.0	3.49	6.51	
3.25	YES	HRDOW							
L0000065		0	0.37920E-05	473652.8	3752963.7	467.0	3.49	6.51	
3.25	YES	HRDOW							
L0000066		0	0.37920E-05	473638.8	3752963.7	466.9	3.49	6.51	
3.25	YES	HRDOW							
L0000067		0	0.37920E-05	473624.8	3752963.7	466.8	3.49	6.51	
3.25	YES	HRDOW							
L0000068		0	0.37920E-05	473610.8	3752963.7	466.5	3.49	6.51	

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

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

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	EMISSION RATE	(GRAMS/SEC)	X	Y	SY
SZ	SOURCE	SCALAR VARY	ELEV.	HEIGHT	(METERS)
ID	CATS.	BY	(METERS)	(METERS)	(METERS)
(METERS)					
L0000069	0	0.37920E-05	473596.8	3752963.7	466.2 3.49 6.51
3.25 YES	HRDOW				
L0000070	0	0.37920E-05	473582.8	3752963.7	465.8 3.49 6.51
3.25 YES	HRDOW				
L0000071	0	0.37920E-05	473568.8	3752963.7	465.3 3.49 6.51
3.25 YES	HRDOW				
L0000072	0	0.37920E-05	473554.8	3752963.7	464.8 3.49 6.51
3.25 YES	HRDOW				
L0000073	0	0.37920E-05	473540.8	3752963.7	464.4 3.49 6.51
3.25 YES	HRDOW				
L0000074	0	0.37920E-05	473526.8	3752963.7	463.9 3.49 6.51
3.25 YES	HRDOW				
L0000075	0	0.37920E-05	473512.8	3752963.7	463.4 3.49 6.51
3.25 YES	HRDOW				
L0000076	0	0.37920E-05	473498.8	3752963.7	463.0 3.49 6.51
3.25 YES	HRDOW				
L0000077	0	0.37920E-05	473484.8	3752963.7	463.0 3.49 6.51
3.25 YES	HRDOW				
L0000078	0	0.37920E-05	473470.8	3752963.7	463.0 3.49 6.51
3.25 YES	HRDOW				
L0000079	0	0.37920E-05	473456.8	3752963.6	463.4 3.49 6.51
3.25 YES	HRDOW				
L0000080	0	0.37920E-05	473442.8	3752963.6	463.9 3.49 6.51
3.25 YES	HRDOW				
L0000081	0	0.37920E-05	473428.8	3752963.6	464.0 3.49 6.51
3.25 YES	HRDOW				
L0000082	0	0.37920E-05	473414.8	3752963.6	464.0 3.49 6.51
3.25 YES	HRDOW				
L0000083	0	0.37920E-05	473400.8	3752963.5	464.3 3.49 6.51
3.25 YES	HRDOW				
L0000084	0	0.37920E-05	473386.8	3752963.5	464.8 3.49 6.51
3.25 YES	HRDOW				
L0000085	0	0.37920E-05	473372.8	3752963.5	465.0 3.49 6.51
3.25 YES	HRDOW				
L0000086	0	0.37920E-05	473358.8	3752963.5	465.0 3.49 6.51
3.25 YES	HRDOW				
L0000087	0	0.37920E-05	473344.8	3752963.5	465.0 3.49 6.51

3.25	YES	HRDOW							
L0000088		0	0.37920E-05	473330.8	3752963.4	465.0	3.49	6.51	
3.25	YES	HRDOW							
L0000089		0	0.37920E-05	473316.8	3752963.4	465.0	3.49	6.51	
3.25	YES	HRDOW							
VOL53		0	0.18043E-03	473604.5	3753651.2	464.7	5.00	5.60	
1.40	YES	HRDOW							
VOL54		0	0.18043E-03	473628.7	3753660.0	464.7	5.00	5.60	
1.40	YES	HRDOW							
VOL55		0	0.18043E-03	473718.9	3753695.5	464.2	5.00	5.60	
1.40	YES	HRDOW							

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

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

SRCGROUP ID	SOURCE IDs									
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ALL	VOL1	,	VOL2	,	VOL3	,	VOL4	,	VOL5	,
VOL6	,	VOL7	,	VOL8	,					
	VOL9	,	VOL10	,	VOL11	,	VOL12	,	VOL13	,
VOL14	,	VOL15	,	VOL16	,					
	VOL17	,	VOL18	,	VOL19	,	VOL20	,	VOL21	,
VOL22	,	VOL23	,	VOL24	,					
	VOL25	,	VOL26	,	VOL27	,	VOL28	,	VOL29	,
VOL30	,	VOL31	,	VOL32	,					
	VOL33	,	VOL34	,	VOL35	,	VOL36	,	VOL37	,
VOL38	,	VOL39	,	VOL40	,					
	VOL41	,	VOL42	,	VOL43	,	VOL44	,	VOL45	,
VOL46	,	VOL47	,	VOL48	,					
	VOL49	,	VOL50	,	VOL51	,	VOL52	,	L0000001	,
L0000002	,	L0000003	,	L0000004	,					
	L0000005	,	L0000006	,	L0000007	,	L0000008	,	L0000009	,
L0000010	,	L0000011	,	L0000012	,					





VOL14	VOL9 , VOL15	, VOL10 , VOL16	, VOL11 ,	, VOL12	, VOL13	,
VOL22	VOL17 , VOL23	, VOL18 , VOL24	, VOL19 ,	, VOL20	, VOL21	,
VOL30	VOL25 , VOL31	, VOL26 , VOL32	, VOL27 ,	, VOL28	, VOL29	,
VOL38	VOL33 , VOL39	, VOL34 , VOL40	, VOL35 ,	, VOL36	, VOL37	,
VOL46	VOL41 , VOL47	, VOL42 , VOL48	, VOL43 ,	, VOL44	, VOL45	,
L0000002	VOL49 , L0000003	, VOL50 , L0000004	, VOL51 ,	, VOL52	, L0000001	,
L0000010	L0000005 , L0000011	, L0000006 , L0000012	, L0000007 ,	, L0000008	, L0000009	,
L0000018	L0000013 , L0000019	, L0000014 , L0000020	, L0000015 ,	, L0000016	, L0000017	,
L0000026	L0000021 , L0000027	, L0000022 , L0000028	, L0000023 ,	, L0000024	, L0000025	,
L0000034	L0000029 , L0000035	, L0000030 , L0000036	, L0000031 ,	, L0000032	, L0000033	,
L0000042	L0000037 , L0000043	, L0000038 , L0000044	, L0000039 ,	, L0000040	, L0000041	,
L0000050	L0000045 , L0000051	, L0000046 , L0000052	, L0000047 ,	, L0000048	, L0000049	,
L0000058	L0000053 , L0000059	, L0000054 , L0000060	, L0000055 ,	, L0000056	, L0000057	,
L0000066	L0000061 , L0000067	, L0000062 , L0000068	, L0000063 ,	, L0000064	, L0000065	,
L0000074	L0000069 , L0000075	, L0000070 , L0000076	, L0000071 ,	, L0000072	, L0000073	,
L0000082	L0000077 , L0000083	, L0000078 , L0000084	, L0000079 ,	, L0000080	, L0000081	,
VOL53	L0000085 , VOL54	, L0000086 , VOL55	, L0000087 ,	, L0000088	, L0000089	,

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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        :  
 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 = 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 = VOL5 ; 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 = VOL6 ; 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 = VOL7                    ; 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 = VOL8 ; 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 = VOL9 ; 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 = VOL10 ; 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 = VOL11                    ; 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 = VOL12                    ; SOURCE TYPE = VOLUME            :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.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 = 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 = VOL13 ; 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 = VOL14 ; 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 = VOL15 ; 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: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

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

SOURCE ID = VOL16 ; 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 = VOL17 ; 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 = VOL18 ; 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 = VOL19 ; 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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 Cottonwood and Edgemont\1 \*\*\* 01/11/23  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 14:05:52

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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 = VOL20 ; 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 = VOL21 ; 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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 Cottonwood and Edgemont\1 \*\*\* 01/11/23  
 \*\*\* 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 = VOL22 ; 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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 \*\*\* 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 = VOL23                    ; 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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Cottonwood and Edgemont\1 \*\*\* 01/11/23  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 14:05:52

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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 = VOL24 ; 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 = VOL25 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	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				

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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 = VOL26                    ; SOURCE TYPE = VOLUME            :

HOUR	SCALAR	HOUR	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

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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 = VOL27 ; 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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Cottonwood and Edgemont\1 \*\*\* 01/11/23  
\*\*\* 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 = VOL28 ; 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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Cottonwood and Edgemont\1 \*\*\* 01/11/23  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 14:05:52

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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 = VOL29 ; 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

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```

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

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```

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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Cottonwood and Edgemont\1 *** 01/11/23
*** AERMET - VERSION 16216 *** ***
*** 14:05:52

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

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

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SOURCE ID = VOL30 ; 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

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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

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14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 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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Cottonwood and Edgemont\1 \*\*\* 01/11/23  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 14:05:52

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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 = VOL31 ; 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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Cottonwood and Edgemont\1 \*\*\* 01/11/23  
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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 = VOL32 ; 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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Cottonwood and Edgemont\1 \*\*\* 01/11/23

\*\*\* 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 = VOL33 ; 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 = VOL34                    ; 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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Cottonwood and Edgemont\1 *** 01/11/23
*** 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) \*

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SOURCE ID = VOL35 ; 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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Cottonwood and Edgemont\1 *** 01/11/23
*** 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 = VOL36 ; 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 = VOL37 ; 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 = VOL38 ; 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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 Cottonwood and Edgemont\1 \*\*\*      01/11/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      14:05:52

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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 = VOL39                    ; 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 = VOL40 ; 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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 Cottonwood and Edgemont\1 \*\*\* 01/11/23  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 14:05:52

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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 = VOL41 ; 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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Cottonwood and Edgemont\1 \*\*\* 01/11/23  
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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 = VOL42 ; 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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Cottonwood and Edgemont\1 \*\*\* 01/11/23  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 14:05:52

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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 = VOL43 ; 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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Cottonwood and Edgemont\1 \*\*\* 01/11/23  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 14:05:52

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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 = VOL44 ; 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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Cottonwood and Edgemont\1 \*\*\* 01/11/23  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 14:05:52

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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 = VOL45 ; 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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 Cottonwood and Edgemont\1 \*\*\* 01/11/23  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 14:05:52

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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 = VOL46 ; 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

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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\14555
Cottonwood and Edgemont\1 *** 01/11/23
*** AERMET - VERSION 16216 *** ***
*** 14:05:52

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

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

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SOURCE ID = VOL47 ; 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
^ *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14555
Cottonwood and Edgemont\1 *** 01/11/23
*** AERMET - VERSION 16216 *** ***
*** 14:05:52

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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 = VOL48 ; 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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 Cottonwood and Edgemont\1 \*\*\* 01/11/23  
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 \*\*\* 14:05:52

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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 = VOL49 ; 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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 Cottonwood and Edgemont\1 \*\*\*      01/11/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      14:05:52

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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 = VOL50                    ; 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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Cottonwood and Edgemont\1 \*\*\* 01/11/23  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 14:05:52

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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 = VOL51 ; 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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Cottonwood and Edgemont\1 \*\*\* 01/11/23  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 14:05:52

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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 = VOL52 ; 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

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```

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

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```

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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Cottonwood and Edgemont\1 *** 01/11/23
*** AERMET - VERSION 16216 *** ***
*** 14:05:52

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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 = L000001 ; 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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Cottonwood and Edgemont\1 \*\*\* 01/11/23  
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\*\*\* 14:05:52

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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 = L000002 ; 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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Cottonwood and Edgemont\1 \*\*\* 01/11/23

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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 = L000003 ; 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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Cottonwood and Edgemont\1 \*\*\* 01/11/23  
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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 = L000004 ; 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 = L000005      ; 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 = L000006 ; 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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Cottonwood and Edgemont\1 \*\*\* 01/11/23  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 14:05:52

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

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

SOURCE ID = L000007 ; 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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Cottonwood and Edgemont\1 \*\*\* 01/11/23
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\*\*\* 14:05:52

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

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

SOURCE ID = L000008 ; 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 = L000009            ; 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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 Cottonwood and Edgemont\1 \*\*\*      01/11/23  
 \*\*\* 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 = L000010            ; SOURCE TYPE = VOLUME            :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1		2		3		4		5	
6		7		8					
9		10		11		12		13	
14		15		16					
17		18		19		20		21	
22		23		24					

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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 Cottonwood and Edgemont\1 \*\*\*      01/11/23  
 \*\*\* 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 = L000011 ; 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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Cottonwood and Edgemont\1 \*\*\* 01/11/23  
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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 = L000012 ; 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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 Cottonwood and Edgemont\1 \*\*\* 01/11/23  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 14:05:52

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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 :  
 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 = L0000014 ; 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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Cottonwood and Edgemont\1 \*\*\* 01/11/23  
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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 = L0000015 ; SOURCE TYPE = VOLUME :  
 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 = L0000016 ; SOURCE TYPE = VOLUME :  
 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 = L000017 ; 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  
 \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14555  
 Cottonwood and Edgemont\1 \*\*\* 01/11/23  
 \*\*\* 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 = L0000018 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 - - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .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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 Cottonwood and Edgemont\1 \*\*\* 01/11/23  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 14:05:52

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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 = L000019 ; 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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 Cottonwood and Edgemont\1 \*\*\* 01/11/23  
 \*\*\* 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 = L000020 ; 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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 Cottonwood and Edgemont\1 \*\*\*      01/11/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
                                  \*\*\*      14:05:52

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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 = L000021      ; 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  
▲ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14555  
Cottonwood and Edgemont\1 \*\*\* 01/11/23  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 14:05:52

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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 = L000022 ; 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 = L000023 ; 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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Cottonwood and Edgemont\1 \*\*\*      01/11/23  
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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 = L000024      ; 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 = L000025 ; 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 = L000026 ; 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 = L000027 ; 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

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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

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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) \*

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SOURCE ID = L000028 ; 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

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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 = L000029 ; 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 = L000030 ; 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 = L000031 ; 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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 \*\*\* 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 = L000032      ; 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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Cottonwood and Edgemont\1 \*\*\* 01/11/23  
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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 = L000033 ; 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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Cottonwood and Edgemont\1 \*\*\* 01/11/23  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 14:05:52

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

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

SOURCE ID = L000034 ; 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 = L000035 ; 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 = L0000036 ; 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 = L000037            ; 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 = L0000038 ; 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 = 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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\*\*\* MODELOPTs: RegDEFAULT 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

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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 = L000041 ; 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 = L0000042 ; 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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\*\*\* 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 = L0000043 ; 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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 Cottonwood and Edgemont\1 \*\*\* 01/11/23  
 \*\*\* 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 = L000044 ; 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

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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\14555
Cottonwood and Edgemont\1 *** 01/11/23
*** AERMET - VERSION 16216 *** ***
*** 14:05:52

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

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

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SOURCE ID = L000045 ; 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
^ *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14555
Cottonwood and Edgemont\1 *** 01/11/23
*** AERMET - VERSION 16216 *** ***
*** 14:05:52

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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 = L000046 ; 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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 Cottonwood and Edgemont\1 \*\*\* 01/11/23  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 14:05:52

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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 = L000047 ; 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

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DAY OF WEEK = SUNDAY

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1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
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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Cottonwood and Edgemont\1 *** 01/11/23
*** AERMET - VERSION 16216 *** ***
*** 14:05:52

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

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

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SOURCE ID = L000048 ; 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

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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

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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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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

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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

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```

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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^ *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14555
Cottonwood and Edgemont\1 *** 01/11/23
*** AERMET - VERSION 16216 *** ***
*** 14:05:52

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

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

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SOURCE ID = L000051 ; 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

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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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Cottonwood and Edgemont\1 \*\*\* 01/11/23  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 14:05:52

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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 = L000052 ; 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

▲ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14555  
Cottonwood and Edgemont\1 \*\*\* 01/11/23

\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 14:05:52

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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 = L000053 ; 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

▲ \*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14555  
Cottonwood and Edgemont\1 \*\*\* 01/11/23  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 14:05:52

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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 = L000054 ; 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				

\*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14555  
 Cottonwood and Edgemont\1 \*\*\*      01/11/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      14:05:52

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

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

SOURCE ID = L000055      ; 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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Cottonwood and Edgemont\1 \*\*\* 01/11/23  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 14:05:52

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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 = L000056 ; 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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Cottonwood and Edgemont\1 \*\*\* 01/11/23  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 14:05:52

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

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

SOURCE ID = L000057 ; 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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Cottonwood and Edgemont\1 \*\*\* 01/11/23
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*
\*\*\* 14:05:52

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

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

SOURCE ID = L000058 ; 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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 Cottonwood and Edgemont\1 \*\*\*      01/11/23  
 \*\*\* 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 = L000059      ; 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 = L000060      ; SOURCE TYPE = VOLUME      :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR		
1	.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 = 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 = L000061 ; 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 = L000062 ; 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

-----

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 = 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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 \*\*\* 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 = L0000065 ; 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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 \*\*\* 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 = L0000066 ; 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 = L000067 ; 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  
 \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14555  
 Cottonwood and Edgemont\1 \*\*\* 01/11/23  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 14:05:52

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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 = L000068 ; 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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 Cottonwood and Edgemont\1 \*\*\* 01/11/23  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 14:05:52

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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 = L000069 ; 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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 Cottonwood and Edgemont\1 \*\*\* 01/11/23  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 14:05:52

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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 = L000070 ; 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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 Cottonwood and Edgemont\1 \*\*\*      01/11/23  
 \*\*\* 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 = L000071    ; 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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 Cottonwood and Edgemont\1 \*\*\* 01/11/23  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 14:05:52

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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 = L000072 ; SOURCE TYPE = VOLUME :

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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 Cottonwood and Edgemont\1 \*\*\* 01/11/23  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 14:05:52

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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 = L000073 ; SOURCE TYPE = VOLUME :

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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 Cottonwood and Edgemont\1 \*\*\*      01/11/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      14:05:52

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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 = L000074      ; SOURCE TYPE = VOLUME      :

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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Cottonwood and Edgemont\1 \*\*\* 01/11/23  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 14:05:52

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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 = L000075 ; 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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Cottonwood and Edgemont\1 \*\*\* 01/11/23  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 14:05:52

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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 = L000076 ; 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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Cottonwood and Edgemont\1 \*\*\* 01/11/23  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 14:05:52

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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 = L000077 ; 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

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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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*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14555
Cottonwood and Edgemont\1 *** 01/11/23
*** AERMET - VERSION 16216 *** ***
*** 14:05:52

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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 = L000078 ; 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

```

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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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Cottonwood and Edgemont\1 \*\*\* 01/11/23  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 14:05:52

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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 = L000079 ; 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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Cottonwood and Edgemont\1 \*\*\* 01/11/23  
\*\*\* 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 = L0000080 ; 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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Cottonwood and Edgemont\1 \*\*\* 01/11/23

\*\*\* 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 = L0000081 ; 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 = L000082            ; 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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Cottonwood and Edgemont\1 \*\*\* 01/11/23  
\*\*\* 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 = L0000083 ; 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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Cottonwood and Edgemont\1 \*\*\* 01/11/23  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 14:05:52

\*\*\* 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

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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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 Cottonwood and Edgemont\1 \*\*\*      01/11/23  
 \*\*\* 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 = L0000085 ; 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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 Cottonwood and Edgemont\1 \*\*\* 01/11/23  
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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

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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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 Cottonwood and Edgemont\1 \*\*\*      01/11/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      14:05:52

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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 = L000087            ; 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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 Cottonwood and Edgemont\1 \*\*\*      01/11/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      14:05:52

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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

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14555  
 Cottonwood and Edgemont\1 \*\*\* 01/11/23  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 14:05:52

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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 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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Cottonwood and Edgemont\1 \*\*\* 01/11/23  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 14:05:52

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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 = VOL53 ; 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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Cottonwood and Edgemont\1 \*\*\* 01/11/23  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 14:05:52

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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 = VOL54 ; 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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Cottonwood and Edgemont\1 \*\*\* 01/11/23  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 14:05:52

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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 = VOL55 ; SOURCE TYPE = VOLUME :

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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 Cottonwood and Edgemont\1 \*\*\*      01/11/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      14:05:52

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

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

( 473535.8, 3753700.4, 463.6, 939.0, 0.0);	( 473504.4, 3753604.7, 464.0, 939.0, 0.0);
( 473521.5, 3753447.6, 466.0, 939.0, 0.0);	( 473663.5, 3753518.6, 466.9, 939.0, 0.0);
( 473689.1, 3753500.9, 467.0, 939.0, 0.0);	( 473673.2, 3753465.3, 467.0, 939.0, 0.0);
( 473731.8, 3753514.7, 467.7, 939.0, 0.0);	( 473779.9, 3753528.1, 468.3, 939.0, 0.0);
( 473769.3, 3753483.5, 469.0, 939.0, 0.0);	( 473827.4, 3753601.0, 468.9, 939.0, 0.0);

```

( 473830.0, 3753653.8, 468.0, 939.0, 0.0); ( 473772.3,
3753680.2, 467.0, 939.0, 0.0);
( 473758.6, 3753698.5, 466.4, 939.0, 0.0); ( 473757.7,
3753712.2, 466.0, 939.0, 0.0);
( 473704.3, 3753733.5, 463.9, 939.0, 0.0); ( 473738.9,
3753734.6, 464.1, 939.0, 0.0);
( 473604.9, 3753701.6, 463.0, 939.0, 0.0); ( 473627.1,
3753704.3, 463.0, 939.0, 0.0);
( 473648.2, 3753720.9, 463.0, 939.0, 0.0); ( 473651.1,
3753728.6, 463.0, 939.0, 0.0);
( 473471.8, 3753661.9, 463.5, 939.0, 0.0); ( 473825.5,
3753556.0, 469.0, 939.0, 0.0);
( 473827.0, 3753516.3, 469.0, 939.0, 0.0); ( 473705.2,
3753411.1, 468.7, 939.0, 0.0);
( 473715.5, 3753399.6, 468.8, 939.0, 0.0); ( 473828.2,
3753491.6, 469.0, 939.0, 0.0);
( 473827.3, 3753472.9, 469.0, 939.0, 0.0); ( 473829.5,
3753447.2, 469.6, 939.0, 0.0);
( 473732.1, 3753422.6, 468.9, 939.0, 0.0); ( 473748.5,
3753427.3, 469.0, 939.0, 0.0);
( 473762.8, 3753433.4, 469.0, 939.0, 0.0); ( 473775.4,
3753437.2, 469.0, 939.0, 0.0);
( 473714.1, 3753382.7, 468.3, 939.0, 0.0); ( 473821.7,
3753413.0, 469.7, 939.0, 0.0);
( 473620.5, 3753415.1, 467.0, 939.0, 0.0); ( 473643.6,
3753348.2, 468.0, 939.0, 0.0);
( 473659.0, 3753306.6, 468.0, 939.0, 0.0); ( 473731.1,
3753303.7, 468.3, 939.0, 0.0);
( 473747.0, 3753332.7, 468.7, 939.0, 0.0); ( 473769.7,
3753199.8, 469.0, 930.0, 0.0);
( 473740.9, 3753273.2, 469.0, 939.0, 0.0); ( 473807.6,
3753148.3, 469.4, 469.4, 0.0);
( 473852.2, 3753023.4, 469.0, 469.0, 0.0); ( 473712.8,
3753008.1, 467.0, 467.0, 0.0);
( 473592.3, 3753008.3, 466.0, 466.0, 0.0); ( 473764.9,
3752934.1, 468.6, 468.6, 0.0);
( 473719.5, 3752934.7, 467.3, 467.3, 0.0); ( 473566.2,
3753405.4, 467.0, 939.0, 0.0);
( 473835.5, 3753672.7, 468.2, 939.0, 0.0); ( 473828.8,
3753708.3, 467.9, 939.0, 0.0);

```

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^ *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14555
Cottonwood and Edgemont\1 *** 01/11/23
*** AERMET - VERSION 16216 *** ***
*** 14:05:52

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

\*\*\* METEOROLOGICAL DAYS SELECTED FOR

PROCESSING \*\*\*



Year: 2010

Year: 2010

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN
ALBEDO	REF	WS	WD	HT	REF	TA	HT							
10	01	01	1	01	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	
1.00	1.30	335.		9.1	282.5	5.5								
10	01	01	1	02	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	
1.00	0.90	142.		9.1	280.9	5.5								
10	01	01	1	03	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	
1.00	0.90	324.		9.1	280.4	5.5								
10	01	01	1	04	-1.3	0.064	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	
1.00	0.40	294.		9.1	278.8	5.5								
10	01	01	1	05	-3.9	0.088	-9.000	-9.000	-999.	62.	15.0	0.19	0.61	
1.00	0.90	205.		9.1	278.1	5.5								
10	01	01	1	06	-1.3	0.065	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	
1.00	0.40	3.		9.1	277.0	5.5								
10	01	01	1	07	-8.0	0.125	-9.000	-9.000	-999.	106.	21.0	0.19	0.61	
1.00	1.30	99.		9.1	277.0	5.5								
10	01	01	1	08	-3.3	0.086	-9.000	-9.000	-999.	61.	16.8	0.19	0.61	
0.54	0.90	319.		9.1	278.8	5.5								
10	01	01	1	09	20.1	0.128	0.307	0.010	49.	110.	-9.0	0.19	0.61	
0.33	0.90	239.		9.1	284.2	5.5								
10	01	01	1	10	56.7	0.087	0.560	0.010	107.	62.	-1.0	0.19	0.61	
0.26	0.40	188.		9.1	289.2	5.5								
10	01	01	1	11	81.5	0.323	0.867	0.008	277.	441.	-35.9	0.19	0.61	
0.23	2.70	310.		9.1	290.9	5.5								
10	01	01	1	12	97.1	0.281	1.058	0.008	421.	357.	-19.7	0.19	0.61	
0.22	2.20	357.		9.1	293.1	5.5								
10	01	01	1	13	92.2	0.279	1.117	0.008	523.	354.	-20.4	0.19	0.61	
0.22	2.20	356.		9.1	293.8	5.5								
10	01	01	1	14	77.6	0.275	1.102	0.008	595.	347.	-23.2	0.19	0.61	
0.23	2.20	50.		9.1	294.2	5.5								
10	01	01	1	15	54.9	0.230	1.006	0.008	640.	266.	-19.2	0.19	0.61	
0.27	1.80	53.		9.1	293.8	5.5								
10	01	01	1	16	12.3	0.206	0.613	0.008	648.	225.	-61.5	0.19	0.61	
0.36	1.80	11.		9.1	292.5	5.5								
10	01	01	1	17	-3.6	0.087	-9.000	-9.000	-999.	71.	15.6	0.19	0.61	
0.64	0.90	351.		9.1	290.4	5.5								
10	01	01	1	18	-3.8	0.087	-9.000	-9.000	-999.	62.	15.2	0.19	0.61	
1.00	0.90	186.		9.1	287.5	5.5								
10	01	01	1	19	-3.8	0.087	-9.000	-9.000	-999.	62.	15.2	0.19	0.61	
1.00	0.90	275.		9.1	285.9	5.5								
10	01	01	1	20	-1.2	0.064	-9.000	-9.000	-999.	39.	18.1	0.19	0.61	
1.00	0.40	181.		9.1	285.4	5.5								
10	01	01	1	21	-7.8	0.125	-9.000	-9.000	-999.	106.	21.3	0.19	0.61	
1.00	1.30	318.		9.1	284.9	5.5								



```

10 01 01 1 22 -3.8 0.088 -9.000 -9.000 -999. 62. 15.1 0.19 0.61
1.00 0.90 196. 9.1 283.1 5.5
10 01 01 1 23 -3.8 0.088 -9.000 -9.000 -999. 62. 15.1 0.19 0.61
1.00 0.90 330. 9.1 281.4 5.5
10 01 01 1 24 -7.9 0.125 -9.000 -9.000 -999. 106. 21.2 0.19 0.61
1.00 1.30 332. 9.1 280.9 5.5

```

First hour of profile data

```

YR MO DY HR HEIGHT F WDIR WSPD AMB_TMP sigmaA sigmaW sigmaV
10 01 01 01 5.5 0 -999. -99.00 282.6 99.0 -99.00 -99.00
10 01 01 01 9.1 1 335. 1.30 -999.0 99.0 -99.00 -99.00

```

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

```

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Cottonwood and Edgemont\1 *** 01/11/23
*** AERMET - VERSION 16216 *** ***
*** 14:05:52

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

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*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2
, VOL3 , VOL4 , VOL5 ,
, VOL11 , VOL12 , VOL13 , VOL8 , VOL9 , VOL10
, VOL19 , VOL14 , VOL15 , VOL16 , VOL17 , VOL18
, VOL27 , VOL20 , VOL21 ,
, VOL22 , VOL23 , VOL24 , VOL25 , VOL26
, VOL28 , . . . ,

```

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

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

```

**
X-COORD (M) Y-COORD (M) CONC X-COORD (M)
Y-COORD (M) CONC
-----
473535.78 3753700.40 0.01660 473504.36
3753604.68 0.01469
473521.53 3753447.58 0.01055 473663.47
3753518.62 0.13944
473689.08 3753500.93 0.08265 473673.24
3753465.30 0.04259
473731.84 3753514.66 0.08676 473779.88

```

3753528.12	0.07379			
473769.32	3753483.51	0.04377		473827.39
3753600.97	0.05544			
473829.97	3753653.85	0.04248		473772.32
3753680.21	0.15099			
473758.62	3753698.51	0.14595		473757.72
3753712.19	0.11552			
473704.31	3753733.51	0.11550		473738.87
3753734.63	0.09776			
473604.91	3753701.65	0.04739		473627.12
3753704.34	0.06093			
473648.22	3753720.95	0.05713		473651.13
3753728.57	0.05166			
473471.85	3753661.93	0.00874		473825.48
3753556.02	0.05076			
473827.05	3753516.30	0.03662		473705.21
3753411.06	0.02213			
473715.53	3753399.62	0.01981		473828.21
3753491.61	0.02994			
473827.26	3753472.92	0.02631		473829.55
3753447.17	0.02151			
473732.08	3753422.56	0.02488		473748.48
3753427.33	0.02558			
473762.79	3753433.44	0.02632		473775.38
3753437.25	0.02623			
473714.15	3753382.70	0.01712		473821.73
3753413.03	0.01777			
473620.50	3753415.13	0.01679		473643.58
3753348.18	0.01066			
473659.03	3753306.60	0.00863		473731.13
3753303.74	0.01024			
473746.96	3753332.73	0.01160		473769.66
3753199.79	0.00643			
473740.86	3753273.22	0.00880		473807.61
3753148.29	0.00483			
473852.24	3753023.36	0.00340		473712.82
3753008.10	0.00325			
473592.28	3753008.30	0.00264		473764.89
3752934.10	0.00381			
473719.49	3752934.67	0.00370		473566.19
3753405.39	0.01063			
473835.55	3753672.66	0.03208		473828.76
3753708.27	0.02670			

```

*** AERMOD - VERSION 22112 ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14555
Cottonwood and Edgemont\1 ***   01/11/23
*** AERMET - VERSION 16216 ***   ***
***                               ***   14:05:52

```

\*\*\* THE SUMMARY OF MAXIMUM ANNUAL RESULTS

AVERAGED OVER 5 YEARS \*\*\*

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

\*\*

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR,
ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID	
ALL	1ST HIGHEST VALUE IS	0.15099 AT (	473772.32, 3753680.21,
467.00,	939.00, 0.00) DC		
	2ND HIGHEST VALUE IS	0.14595 AT (	473758.62, 3753698.51,
466.36,	939.00, 0.00) DC		
	3RD HIGHEST VALUE IS	0.13944 AT (	473663.47, 3753518.62,
466.86,	939.00, 0.00) DC		
	4TH HIGHEST VALUE IS	0.11552 AT (	473757.72, 3753712.19,
466.02,	939.00, 0.00) DC		
	5TH HIGHEST VALUE IS	0.11550 AT (	473704.31, 3753733.51,
463.90,	939.00, 0.00) DC		
	6TH HIGHEST VALUE IS	0.09776 AT (	473738.87, 3753734.63,
464.06,	939.00, 0.00) DC		
	7TH HIGHEST VALUE IS	0.08676 AT (	473731.84, 3753514.66,
467.74,	939.00, 0.00) DC		
	8TH HIGHEST VALUE IS	0.08265 AT (	473689.08, 3753500.93,
467.00,	939.00, 0.00) DC		
	9TH HIGHEST VALUE IS	0.07379 AT (	473779.88, 3753528.12,
468.34,	939.00, 0.00) DC		
	10TH HIGHEST VALUE IS	0.06093 AT (	473627.12, 3753704.34,
463.00,	939.00, 0.00) DC		

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

▲ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14555  
 Cottonwood and Edgemont\1 \*\*\* 01/11/23  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 14:05:52

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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                    4 Warning Message(s)  
A Total of                    2028 Informational Message(s)  
  
A Total of                    43824 Hours Were Processed  
  
A Total of                    978 Calm Hours Identified  
  
A Total of                    1050 Missing Hours Identified ( 2.40 Percent)

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

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*  
ME W186    2271            MEOPEN: THRESH\_1MIN 1-min ASOS wind speed threshold used  
          0.50  
ME W187    2271            MEOPEN: ADJ\_U\* Option for Stable Low Winds used in AERMET  
  
MX W450    17521            CHKDAT: Record Out of Sequence in Meteorological File at:  
          14010101  
MX W450    17521            CHKDAT: Record Out of Sequence in Meteorological File at:  
2 year gap

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

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD INPUT PRODUCED BY:
** AERMOD VIEW VER. 11.2.0
** LAKES ENVIRONMENTAL SOFTWARE INC.
** DATE: 1/11/2023
** FILE: C:\LAKES\AERMOD VIEW\14555 LAKES HRA FILES\14555 COTTONWOOD AND
EDGEMONT\14555 OPS\14555 OPS.ADI
**
*****
**
**
*****
** AERMOD CONTROL PATHWAY
*****
**
**
CO STARTING
  TITLEONE C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14555 COTTONWOOD AND EDGEMONT\1
  MODELOPT DFAULT CONC
  AVERTIME ANNUAL
  URBANOPT 2189641
  POLLUTID DPM
  RUNORNOT RUN
  ERRORFIL "14555 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 = 7.819E-06
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 2
** 473711.907, 3753689.974, 464.31, 3.49, 4.00
** 473725.254, 3753651.649, 466.08, 3.49, 4.00

```

```
** -----
LOCATION L0000146      VOLUME  473713.320 3753685.917 464.54
LOCATION L0000147      VOLUME  473716.145 3753677.805 465.14
LOCATION L0000148      VOLUME  473718.970 3753669.693 465.47
LOCATION L0000149      VOLUME  473721.795 3753661.581 465.70
LOCATION L0000150      VOLUME  473724.620 3753653.469 465.88
```

```
** 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 = 7.819E-06
```

```
** VERTICAL DIMENSION = 6.99
```

```
** SZINIT = 3.25
```

```
** NODES = 2
```

```
** 473739.554, 3753612.563, 467.00, 3.49, 4.00
```

```
** 473752.710, 3753575.192, 467.54, 3.49, 4.00
```

```
** -----
```

```
LOCATION L0000151      VOLUME  473740.980 3753608.511 467.01
```

```
LOCATION L0000152      VOLUME  473743.833 3753600.409 467.08
```

```
LOCATION L0000153      VOLUME  473746.685 3753592.306 467.19
```

```
LOCATION L0000154      VOLUME  473749.538 3753584.204 467.38
```

```
LOCATION L0000155      VOLUME  473752.390 3753576.101 467.63
```

```
** END OF LINE VOLUME SOURCE ID = SLINE2
```

```
** -----
```

```
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
```

```
** LINE VOLUME SOURCE ID = SLINE3
```

```
** DESCRSRC BLDG 1 ONSITE
```

```
** PREFIX
```

```
** LENGTH OF SIDE = 8.59
```

```
** CONFIGURATION = ADJACENT
```

```
** EMISSION RATE = 5.165E-07
```

```
** VERTICAL DIMENSION = 6.99
```

```
** SZINIT = 3.25
```

```
** NODES = 9
```

```
** 473745.656, 3753649.743, 466.08, 3.49, 4.00
```

```
** 473727.733, 3753695.694, 464.31, 3.49, 4.00
```

```
** 473721.059, 3753699.507, 463.81, 3.49, 4.00
```

```
** 473714.577, 3753698.935, 463.48, 3.49, 4.00
```

```
** 473606.468, 3753659.848, 464.95, 3.49, 4.00
```

```
** 473602.274, 3753656.035, 464.62, 3.49, 4.00
```

```
** 473599.986, 3753654.319, 464.42, 3.49, 4.00
```

```
** 473595.410, 3753650.887, 464.11, 3.49, 4.00
```

```
** 473589.308, 3753649.743, 464.01, 3.49, 4.00
```

```
** -----
```

```
LOCATION L0000156      VOLUME  473744.095 3753653.744 466.15
```

```
LOCATION L0000157      VOLUME  473740.973 3753661.747 466.04
```

LOCATION L0000158	VOLUME	473737.852	3753669.750	465.95
LOCATION L0000159	VOLUME	473734.731	3753677.752	465.79
LOCATION L0000160	VOLUME	473731.609	3753685.755	465.34
LOCATION L0000161	VOLUME	473728.488	3753693.758	464.84
LOCATION L0000162	VOLUME	473722.078	3753698.925	464.23
LOCATION L0000163	VOLUME	473713.722	3753698.626	463.77
LOCATION L0000164	VOLUME	473705.644	3753695.705	463.68
LOCATION L0000165	VOLUME	473697.566	3753692.785	463.73
LOCATION L0000166	VOLUME	473689.488	3753689.864	463.74
LOCATION L0000167	VOLUME	473681.409	3753686.943	463.69
LOCATION L0000168	VOLUME	473673.331	3753684.022	463.59
LOCATION L0000169	VOLUME	473665.253	3753681.102	463.44
LOCATION L0000170	VOLUME	473657.175	3753678.181	463.24
LOCATION L0000171	VOLUME	473649.097	3753675.260	463.13
LOCATION L0000172	VOLUME	473641.018	3753672.340	463.42
LOCATION L0000173	VOLUME	473632.940	3753669.419	463.72
LOCATION L0000174	VOLUME	473624.862	3753666.498	464.01
LOCATION L0000175	VOLUME	473616.784	3753663.578	464.22
LOCATION L0000176	VOLUME	473608.705	3753660.657	464.21
LOCATION L0000177	VOLUME	473601.840	3753655.709	464.26
LOCATION L0000178	VOLUME	473594.867	3753650.785	464.16

\*\* END OF LINE VOLUME SOURCE ID = SLINE3

\*\*

\*\* LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

\*\* LINE VOLUME SOURCE ID = SLINE4

\*\* DESCRSRC BLDG 2 ONSITE

\*\* PREFIX

\*\* LENGTH OF SIDE = 8.59

\*\* CONFIGURATION = ADJACENT

\*\* EMISSION RATE = 5.202E-07

\*\* VERTICAL DIMENSION = 6.99

\*\* SZINIT = 3.25

\*\* NODES = 8

\*\* 473754.426, 3753624.575, 467.00, 3.49, 4.00

\*\* 473770.061, 3753580.340, 467.95, 3.49, 4.00

\*\* 473767.773, 3753575.382, 467.90, 3.49, 4.00

\*\* 473762.434, 3753569.662, 468.08, 3.49, 4.00

\*\* 473749.088, 3753566.040, 468.00, 3.49, 4.00

\*\* 473650.894, 3753530.576, 466.98, 3.49, 4.00

\*\* 473642.886, 3753531.910, 466.85, 3.49, 4.00

\*\* 473629.730, 3753527.906, 466.12, 3.49, 4.00

\*\*

LOCATION L0000179	VOLUME	473755.858	3753620.525	466.94
LOCATION L0000180	VOLUME	473758.720	3753612.426	467.09
LOCATION L0000181	VOLUME	473761.583	3753604.327	467.30
LOCATION L0000182	VOLUME	473764.445	3753596.228	467.56
LOCATION L0000183	VOLUME	473767.308	3753588.129	467.87
LOCATION L0000184	VOLUME	473769.923	3753580.042	468.00
LOCATION L0000185	VOLUME	473765.413	3753572.854	467.92
LOCATION L0000186	VOLUME	473758.358	3753568.556	467.85

LOCATION L0000187	VOLUME	473750.068	3753566.306	467.79
LOCATION L0000188	VOLUME	473741.963	3753563.467	467.79
LOCATION L0000189	VOLUME	473733.884	3753560.549	467.87
LOCATION L0000190	VOLUME	473725.805	3753557.631	467.97
LOCATION L0000191	VOLUME	473717.726	3753554.713	467.95
LOCATION L0000192	VOLUME	473709.647	3753551.795	467.84
LOCATION L0000193	VOLUME	473701.567	3753548.877	467.54
LOCATION L0000194	VOLUME	473693.488	3753545.959	467.30
LOCATION L0000195	VOLUME	473685.409	3753543.041	467.11
LOCATION L0000196	VOLUME	473677.330	3753540.123	466.97
LOCATION L0000197	VOLUME	473669.250	3753537.205	466.88
LOCATION L0000198	VOLUME	473661.171	3753534.287	466.84
LOCATION L0000199	VOLUME	473653.092	3753531.369	466.86
LOCATION L0000200	VOLUME	473644.726	3753531.603	466.70
LOCATION L0000201	VOLUME	473636.453	3753529.952	466.50

\*\* END OF LINE VOLUME SOURCE ID = SLINE4

\*\* -----

\*\* LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

\*\* LINE VOLUME SOURCE ID = SLINE6

\*\* DESCRSRC INBOUND 50% DWY 3

\*\* PREFIX

\*\* LENGTH OF SIDE = 14.00

\*\* CONFIGURATION = ADJACENT

\*\* EMISSION RATE = 6.336E-07

\*\* VERTICAL DIMENSION = 6.99

\*\* SZINIT = 3.25

\*\* NODES = 5

\*\* 473618.709, 3753525.398, 466.00, 3.49, 6.51

\*\* 473670.953, 3753382.184, 468.00, 3.49, 6.51

\*\* 473822.204, 3752962.043, 469.00, 3.49, 6.51

\*\* 473489.013, 3752963.504, 463.10, 3.49, 6.51

\*\* 473303.420, 3752962.408, 465.08, 3.49, 6.51

\*\* -----

LOCATION L0001199	VOLUME	473621.108	3753518.822	466.04
LOCATION L0001200	VOLUME	473625.906	3753505.670	466.06
LOCATION L0001201	VOLUME	473630.704	3753492.517	466.14
LOCATION L0001202	VOLUME	473635.502	3753479.365	466.57
LOCATION L0001203	VOLUME	473640.300	3753466.213	467.00
LOCATION L0001204	VOLUME	473645.097	3753453.061	467.00
LOCATION L0001205	VOLUME	473649.895	3753439.909	467.01
LOCATION L0001206	VOLUME	473654.693	3753426.756	467.44
LOCATION L0001207	VOLUME	473659.491	3753413.604	467.84
LOCATION L0001208	VOLUME	473664.289	3753400.452	468.00
LOCATION L0001209	VOLUME	473669.087	3753387.300	468.00
LOCATION L0001210	VOLUME	473673.885	3753374.135	468.00
LOCATION L0001211	VOLUME	473678.593	3753360.963	468.00
LOCATION L0001212	VOLUME	473683.335	3753347.790	468.00
LOCATION L0001213	VOLUME	473688.077	3753334.618	468.00
LOCATION L0001214	VOLUME	473692.819	3753321.445	468.00
LOCATION L0001215	VOLUME	473697.561	3753308.273	468.00



LOCATION	L0001216	VOLUME	473702.303	3753295.101	468.00
LOCATION	L0001217	VOLUME	473707.045	3753281.928	468.13
LOCATION	L0001218	VOLUME	473711.787	3753268.756	468.62
LOCATION	L0001219	VOLUME	473716.529	3753255.583	468.97
LOCATION	L0001220	VOLUME	473721.271	3753242.411	468.71
LOCATION	L0001221	VOLUME	473726.013	3753229.238	468.59
LOCATION	L0001222	VOLUME	473730.755	3753216.066	468.70
LOCATION	L0001223	VOLUME	473735.498	3753202.894	468.86
LOCATION	L0001224	VOLUME	473740.240	3753189.721	469.00
LOCATION	L0001225	VOLUME	473744.982	3753176.549	469.00
LOCATION	L0001226	VOLUME	473749.724	3753163.376	468.93
LOCATION	L0001227	VOLUME	473754.466	3753150.204	468.72
LOCATION	L0001228	VOLUME	473759.208	3753137.032	468.66
LOCATION	L0001229	VOLUME	473763.950	3753123.859	468.81
LOCATION	L0001230	VOLUME	473768.692	3753110.687	468.97
LOCATION	L0001231	VOLUME	473773.434	3753097.514	468.70
LOCATION	L0001232	VOLUME	473778.176	3753084.342	468.26
LOCATION	L0001233	VOLUME	473782.918	3753071.169	468.00
LOCATION	L0001234	VOLUME	473787.660	3753057.997	468.00
LOCATION	L0001235	VOLUME	473792.402	3753044.825	467.99
LOCATION	L0001236	VOLUME	473797.145	3753031.652	467.96
LOCATION	L0001237	VOLUME	473801.887	3753018.480	468.07
LOCATION	L0001238	VOLUME	473806.629	3753005.307	468.23
LOCATION	L0001239	VOLUME	473811.371	3752992.135	468.39
LOCATION	L0001240	VOLUME	473816.113	3752978.962	468.66
LOCATION	L0001241	VOLUME	473820.855	3752965.790	468.91
LOCATION	L0001242	VOLUME	473812.187	3752962.087	468.89
LOCATION	L0001243	VOLUME	473798.187	3752962.148	468.77
LOCATION	L0001244	VOLUME	473784.187	3752962.209	468.39
LOCATION	L0001245	VOLUME	473770.187	3752962.271	468.01
LOCATION	L0001246	VOLUME	473756.187	3752962.332	468.00
LOCATION	L0001247	VOLUME	473742.187	3752962.394	468.00
LOCATION	L0001248	VOLUME	473728.188	3752962.455	467.62
LOCATION	L0001249	VOLUME	473714.188	3752962.516	467.15
LOCATION	L0001250	VOLUME	473700.188	3752962.578	467.00
LOCATION	L0001251	VOLUME	473686.188	3752962.639	467.00
LOCATION	L0001252	VOLUME	473672.188	3752962.701	467.00
LOCATION	L0001253	VOLUME	473658.188	3752962.762	467.00
LOCATION	L0001254	VOLUME	473644.188	3752962.823	466.96
LOCATION	L0001255	VOLUME	473630.189	3752962.885	466.86
LOCATION	L0001256	VOLUME	473616.189	3752962.946	466.70
LOCATION	L0001257	VOLUME	473602.189	3752963.008	466.33
LOCATION	L0001258	VOLUME	473588.189	3752963.069	465.95
LOCATION	L0001259	VOLUME	473574.189	3752963.130	465.48
LOCATION	L0001260	VOLUME	473560.189	3752963.192	465.02
LOCATION	L0001261	VOLUME	473546.189	3752963.253	464.55
LOCATION	L0001262	VOLUME	473532.190	3752963.315	464.08
LOCATION	L0001263	VOLUME	473518.190	3752963.376	463.62
LOCATION	L0001264	VOLUME	473504.190	3752963.437	463.15
LOCATION	L0001265	VOLUME	473490.190	3752963.499	463.00

LOCATION	VOLUME				
L0001266	473476.190	3752963.428	463.00		
L0001267	473462.190	3752963.346	463.25		
L0001268	473448.191	3752963.263	463.72		
L0001269	473434.191	3752963.180	464.00		
L0001270	473420.191	3752963.098	464.00		
L0001271	473406.191	3752963.015	464.11		
L0001272	473392.192	3752962.932	464.58		
L0001273	473378.192	3752962.850	465.00		
L0001274	473364.192	3752962.767	465.00		
L0001275	473350.192	3752962.684	465.00		
L0001276	473336.193	3752962.602	465.00		
L0001277	473322.193	3752962.519	465.00		
L0001278	473308.193	3752962.436	464.93		

\*\* END OF LINE VOLUME SOURCE ID = SLINE6

\*\*

\*\* LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

\*\* LINE VOLUME SOURCE ID = SLINE7

\*\* DESCRSRC INBOUND 50% DWY 1

\*\* PREFIX

\*\* LENGTH OF SIDE = 14.00

\*\* CONFIGURATION = ADJACENT

\*\* EMISSION RATE = 7.053E-07

\*\* VERTICAL DIMENSION = 6.99

\*\* SZINIT = 3.25

\*\* NODES = 5

\*\* 473575.405, 3753644.224, 463.95, 3.49, 6.51

\*\* 473670.953, 3753382.184, 468.00, 3.49, 6.51

\*\* 473822.204, 3752962.043, 469.00, 3.49, 6.51

\*\* 473489.013, 3752963.504, 463.10, 3.49, 6.51

\*\* 473303.420, 3752962.408, 465.08, 3.49, 6.51

\*\*

LOCATION	VOLUME				
L0001279	473577.803	3753637.647	464.00		
L0001280	473582.599	3753624.494	464.00		
L0001281	473587.395	3753611.341	464.00		
L0001282	473592.191	3753598.189	464.08		
L0001283	473596.987	3753585.036	464.30		
L0001284	473601.783	3753571.883	464.89		
L0001285	473606.579	3753558.730	465.49		
L0001286	473611.375	3753545.577	465.72		
L0001287	473616.171	3753532.424	465.88		
L0001288	473620.967	3753519.271	466.03		
L0001289	473625.763	3753506.118	466.06		
L0001290	473630.559	3753492.965	466.12		
L0001291	473635.355	3753479.812	466.56		
L0001292	473640.151	3753466.659	467.00		
L0001293	473644.947	3753453.507	467.00		
L0001294	473649.743	3753440.354	467.00		
L0001295	473654.539	3753427.201	467.42		
L0001296	473659.334	3753414.048	467.83		
L0001297	473664.130	3753400.895	468.00		

LOCATION	L0001298	VOLUME	473668.926	3753387.742	468.00
LOCATION	L0001299	VOLUME	473673.691	3753374.578	468.00
LOCATION	L0001300	VOLUME	473678.433	3753361.405	468.00
LOCATION	L0001301	VOLUME	473683.175	3753348.233	468.00
LOCATION	L0001302	VOLUME	473687.917	3753335.061	468.00
LOCATION	L0001303	VOLUME	473692.660	3753321.888	468.00
LOCATION	L0001304	VOLUME	473697.402	3753308.716	468.00
LOCATION	L0001305	VOLUME	473702.144	3753295.543	468.00
LOCATION	L0001306	VOLUME	473706.886	3753282.371	468.11
LOCATION	L0001307	VOLUME	473711.628	3753269.199	468.61
LOCATION	L0001308	VOLUME	473716.370	3753256.026	468.99
LOCATION	L0001309	VOLUME	473721.112	3753242.854	468.72
LOCATION	L0001310	VOLUME	473725.854	3753229.681	468.59
LOCATION	L0001311	VOLUME	473730.596	3753216.509	468.70
LOCATION	L0001312	VOLUME	473735.338	3753203.336	468.86
LOCATION	L0001313	VOLUME	473740.080	3753190.164	469.00
LOCATION	L0001314	VOLUME	473744.822	3753176.992	469.00
LOCATION	L0001315	VOLUME	473749.564	3753163.819	468.94
LOCATION	L0001316	VOLUME	473754.306	3753150.647	468.73
LOCATION	L0001317	VOLUME	473759.049	3753137.474	468.66
LOCATION	L0001318	VOLUME	473763.791	3753124.302	468.80
LOCATION	L0001319	VOLUME	473768.533	3753111.129	468.96
LOCATION	L0001320	VOLUME	473773.275	3753097.957	468.71
LOCATION	L0001321	VOLUME	473778.017	3753084.785	468.27
LOCATION	L0001322	VOLUME	473782.759	3753071.612	468.00
LOCATION	L0001323	VOLUME	473787.501	3753058.440	468.00
LOCATION	L0001324	VOLUME	473792.243	3753045.267	467.99
LOCATION	L0001325	VOLUME	473796.985	3753032.095	467.96
LOCATION	L0001326	VOLUME	473801.727	3753018.922	468.07
LOCATION	L0001327	VOLUME	473806.469	3753005.750	468.23
LOCATION	L0001328	VOLUME	473811.211	3752992.578	468.39
LOCATION	L0001329	VOLUME	473815.953	3752979.405	468.65
LOCATION	L0001330	VOLUME	473820.695	3752966.233	468.90
LOCATION	L0001331	VOLUME	473812.657	3752962.084	468.90
LOCATION	L0001332	VOLUME	473798.658	3752962.146	468.79
LOCATION	L0001333	VOLUME	473784.658	3752962.207	468.41
LOCATION	L0001334	VOLUME	473770.658	3752962.269	468.03
LOCATION	L0001335	VOLUME	473756.658	3752962.330	468.00
LOCATION	L0001336	VOLUME	473742.658	3752962.392	468.00
LOCATION	L0001337	VOLUME	473728.658	3752962.453	467.63
LOCATION	L0001338	VOLUME	473714.658	3752962.514	467.17
LOCATION	L0001339	VOLUME	473700.658	3752962.576	467.00
LOCATION	L0001340	VOLUME	473686.659	3752962.637	467.00
LOCATION	L0001341	VOLUME	473672.659	3752962.699	467.00
LOCATION	L0001342	VOLUME	473658.659	3752962.760	467.00
LOCATION	L0001343	VOLUME	473644.659	3752962.821	466.97
LOCATION	L0001344	VOLUME	473630.659	3752962.883	466.87
LOCATION	L0001345	VOLUME	473616.659	3752962.944	466.71
LOCATION	L0001346	VOLUME	473602.659	3752963.006	466.34
LOCATION	L0001347	VOLUME	473588.660	3752963.067	465.97

LOCATION L0001348	VOLUME	473574.660	3752963.128	465.50
LOCATION L0001349	VOLUME	473560.660	3752963.190	465.03
LOCATION L0001350	VOLUME	473546.660	3752963.251	464.57
LOCATION L0001351	VOLUME	473532.660	3752963.313	464.10
LOCATION L0001352	VOLUME	473518.660	3752963.374	463.63
LOCATION L0001353	VOLUME	473504.660	3752963.435	463.17
LOCATION L0001354	VOLUME	473490.660	3752963.497	463.00
LOCATION L0001355	VOLUME	473476.661	3752963.431	463.00
LOCATION L0001356	VOLUME	473462.661	3752963.348	463.23
LOCATION L0001357	VOLUME	473448.661	3752963.266	463.70
LOCATION L0001358	VOLUME	473434.661	3752963.183	464.00
LOCATION L0001359	VOLUME	473420.662	3752963.100	464.00
LOCATION L0001360	VOLUME	473406.662	3752963.018	464.10
LOCATION L0001361	VOLUME	473392.662	3752962.935	464.57
LOCATION L0001362	VOLUME	473378.662	3752962.852	465.00
LOCATION L0001363	VOLUME	473364.663	3752962.770	465.00
LOCATION L0001364	VOLUME	473350.663	3752962.687	465.00
LOCATION L0001365	VOLUME	473336.663	3752962.604	465.00
LOCATION L0001366	VOLUME	473322.663	3752962.522	465.00
LOCATION L0001367	VOLUME	473308.664	3752962.439	464.93

\*\* END OF LINE VOLUME SOURCE ID = SLINE7

\*\*

\*\* LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

\*\* LINE VOLUME SOURCE ID = SLINE8

\*\* DESCRSRC OUTBOUND 50% DWY 3

\*\* PREFIX

\*\* LENGTH OF SIDE = 9.59

\*\* CONFIGURATION = ADJACENT

\*\* EMISSION RATE = 9.143E-07

\*\* VERTICAL DIMENSION = 6.99

\*\* SZINIT = 3.25

\*\* NODES = 12

\*\* 473620.901, 3753521.146, 466.00, 3.49, 4.46

\*\* 473378.314, 3754185.419, 469.00, 3.49, 4.46

\*\* 473372.299, 3754265.613, 470.00, 3.49, 4.46

\*\* 473387.002, 3754348.480, 470.00, 3.49, 4.46

\*\* 473419.079, 3754397.933, 470.14, 3.49, 4.46

\*\* 473462.518, 3754419.318, 471.00, 3.49, 4.46

\*\* 473520.658, 3754437.362, 470.15, 3.49, 4.46

\*\* 473560.087, 3754464.093, 470.91, 3.49, 4.46

\*\* 473580.804, 3754498.844, 471.24, 3.49, 4.46

\*\* 473589.491, 3754537.604, 472.00, 3.49, 4.46

\*\* 473592.164, 3754581.043, 472.02, 3.49, 4.46

\*\* 473190.526, 3754585.052, 469.00, 3.49, 4.46

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LOCATION L0001368	VOLUME	473619.256	3753525.650	465.99
LOCATION L0001369	VOLUME	473615.966	3753534.658	465.88
LOCATION L0001370	VOLUME	473612.676	3753543.666	465.77
LOCATION L0001371	VOLUME	473609.387	3753552.674	465.66
LOCATION L0001372	VOLUME	473606.097	3753561.682	465.38

LOCATION	L0001373	VOLUME	473602.807	3753570.690	464.97
LOCATION	L0001374	VOLUME	473599.518	3753579.698	464.56
LOCATION	L0001375	VOLUME	473596.228	3753588.706	464.22
LOCATION	L0001376	VOLUME	473592.938	3753597.715	464.11
LOCATION	L0001377	VOLUME	473589.649	3753606.723	464.00
LOCATION	L0001378	VOLUME	473586.359	3753615.731	464.00
LOCATION	L0001379	VOLUME	473583.069	3753624.739	464.00
LOCATION	L0001380	VOLUME	473579.780	3753633.747	464.00
LOCATION	L0001381	VOLUME	473576.490	3753642.755	464.00
LOCATION	L0001382	VOLUME	473573.200	3753651.763	463.83
LOCATION	L0001383	VOLUME	473569.911	3753660.771	463.53
LOCATION	L0001384	VOLUME	473566.621	3753669.780	463.23
LOCATION	L0001385	VOLUME	473563.331	3753678.788	463.00
LOCATION	L0001386	VOLUME	473560.041	3753687.796	463.00
LOCATION	L0001387	VOLUME	473556.752	3753696.804	463.07
LOCATION	L0001388	VOLUME	473553.462	3753705.812	463.20
LOCATION	L0001389	VOLUME	473550.172	3753714.820	463.32
LOCATION	L0001390	VOLUME	473546.883	3753723.828	463.43
LOCATION	L0001391	VOLUME	473543.593	3753732.836	463.54
LOCATION	L0001392	VOLUME	473540.303	3753741.844	463.64
LOCATION	L0001393	VOLUME	473537.014	3753750.853	463.75
LOCATION	L0001394	VOLUME	473533.724	3753759.861	463.86
LOCATION	L0001395	VOLUME	473530.434	3753768.869	463.97
LOCATION	L0001396	VOLUME	473527.145	3753777.877	464.08
LOCATION	L0001397	VOLUME	473523.855	3753786.885	464.19
LOCATION	L0001398	VOLUME	473520.565	3753795.893	464.30
LOCATION	L0001399	VOLUME	473517.276	3753804.901	464.58
LOCATION	L0001400	VOLUME	473513.986	3753813.909	464.80
LOCATION	L0001401	VOLUME	473510.696	3753822.917	464.95
LOCATION	L0001402	VOLUME	473507.407	3753831.926	465.00
LOCATION	L0001403	VOLUME	473504.117	3753840.934	465.00
LOCATION	L0001404	VOLUME	473500.827	3753849.942	465.00
LOCATION	L0001405	VOLUME	473497.537	3753858.950	465.06
LOCATION	L0001406	VOLUME	473494.248	3753867.958	465.11
LOCATION	L0001407	VOLUME	473490.958	3753876.966	465.09
LOCATION	L0001408	VOLUME	473487.668	3753885.974	465.01
LOCATION	L0001409	VOLUME	473484.379	3753894.982	465.28
LOCATION	L0001410	VOLUME	473481.089	3753903.990	465.58
LOCATION	L0001411	VOLUME	473477.799	3753912.999	465.88
LOCATION	L0001412	VOLUME	473474.510	3753922.007	466.00
LOCATION	L0001413	VOLUME	473471.220	3753931.015	466.00
LOCATION	L0001414	VOLUME	473467.930	3753940.023	466.06
LOCATION	L0001415	VOLUME	473464.641	3753949.031	466.23
LOCATION	L0001416	VOLUME	473461.351	3753958.039	466.55
LOCATION	L0001417	VOLUME	473458.061	3753967.047	466.80
LOCATION	L0001418	VOLUME	473454.772	3753976.055	466.99
LOCATION	L0001419	VOLUME	473451.482	3753985.063	467.17
LOCATION	L0001420	VOLUME	473448.192	3753994.072	467.42
LOCATION	L0001421	VOLUME	473444.903	3754003.080	467.73
LOCATION	L0001422	VOLUME	473441.613	3754012.088	467.95

LOCATION L0001423	VOLUME	473438.323	3754021.096	467.98
LOCATION L0001424	VOLUME	473435.034	3754030.104	467.97
LOCATION L0001425	VOLUME	473431.744	3754039.112	468.06
LOCATION L0001426	VOLUME	473428.454	3754048.120	468.24
LOCATION L0001427	VOLUME	473425.164	3754057.128	468.35
LOCATION L0001428	VOLUME	473421.875	3754066.136	468.40
LOCATION L0001429	VOLUME	473418.585	3754075.145	468.50
LOCATION L0001430	VOLUME	473415.295	3754084.153	468.66
LOCATION L0001431	VOLUME	473412.006	3754093.161	468.89
LOCATION L0001432	VOLUME	473408.716	3754102.169	469.00
LOCATION L0001433	VOLUME	473405.426	3754111.177	469.00
LOCATION L0001434	VOLUME	473402.137	3754120.185	469.00
LOCATION L0001435	VOLUME	473398.847	3754129.193	469.00
LOCATION L0001436	VOLUME	473395.557	3754138.201	469.00
LOCATION L0001437	VOLUME	473392.268	3754147.209	469.00
LOCATION L0001438	VOLUME	473388.978	3754156.218	469.00
LOCATION L0001439	VOLUME	473385.688	3754165.226	469.00
LOCATION L0001440	VOLUME	473382.399	3754174.234	469.00
LOCATION L0001441	VOLUME	473379.109	3754183.242	469.00
LOCATION L0001442	VOLUME	473377.770	3754192.671	469.19
LOCATION L0001443	VOLUME	473377.053	3754202.234	469.48
LOCATION L0001444	VOLUME	473376.335	3754211.797	469.75
LOCATION L0001445	VOLUME	473375.618	3754221.360	469.89
LOCATION L0001446	VOLUME	473374.901	3754230.923	469.92
LOCATION L0001447	VOLUME	473374.184	3754240.487	469.96
LOCATION L0001448	VOLUME	473373.467	3754250.050	470.00
LOCATION L0001449	VOLUME	473372.749	3754259.613	470.00
LOCATION L0001450	VOLUME	473372.924	3754269.131	470.00
LOCATION L0001451	VOLUME	473374.599	3754278.574	470.00
LOCATION L0001452	VOLUME	473376.274	3754288.016	470.00
LOCATION L0001453	VOLUME	473377.949	3754297.459	470.00
LOCATION L0001454	VOLUME	473379.625	3754306.901	470.00
LOCATION L0001455	VOLUME	473381.300	3754316.344	470.00
LOCATION L0001456	VOLUME	473382.975	3754325.786	470.00
LOCATION L0001457	VOLUME	473384.651	3754335.229	470.00
LOCATION L0001458	VOLUME	473386.326	3754344.671	470.00
LOCATION L0001459	VOLUME	473390.115	3754353.280	470.00
LOCATION L0001460	VOLUME	473395.334	3754361.326	470.00
LOCATION L0001461	VOLUME	473400.553	3754369.372	470.00
LOCATION L0001462	VOLUME	473405.772	3754377.417	470.00
LOCATION L0001463	VOLUME	473410.991	3754385.463	470.04
LOCATION L0001464	VOLUME	473416.209	3754393.509	470.22
LOCATION L0001465	VOLUME	473422.952	3754399.839	470.50
LOCATION L0001466	VOLUME	473431.556	3754404.075	470.80
LOCATION L0001467	VOLUME	473440.159	3754408.311	471.00
LOCATION L0001468	VOLUME	473448.763	3754412.547	471.00
LOCATION L0001469	VOLUME	473457.367	3754416.782	471.00
LOCATION L0001470	VOLUME	473466.194	3754420.459	471.00
LOCATION L0001471	VOLUME	473475.353	3754423.301	471.00
LOCATION L0001472	VOLUME	473484.512	3754426.144	471.00

LOCATION L0001473	VOLUME	473493.671	3754428.986	471.00
LOCATION L0001474	VOLUME	473502.830	3754431.829	470.91
LOCATION L0001475	VOLUME	473511.989	3754434.671	470.70
LOCATION L0001476	VOLUME	473521.083	3754437.650	470.55
LOCATION L0001477	VOLUME	473529.021	3754443.031	470.56
LOCATION L0001478	VOLUME	473536.958	3754448.413	470.66
LOCATION L0001479	VOLUME	473544.896	3754453.794	470.86
LOCATION L0001480	VOLUME	473552.834	3754459.176	471.07
LOCATION L0001481	VOLUME	473560.510	3754464.804	471.25
LOCATION L0001482	VOLUME	473565.421	3754473.041	471.36
LOCATION L0001483	VOLUME	473570.332	3754481.278	471.47
LOCATION L0001484	VOLUME	473575.243	3754489.515	471.53
LOCATION L0001485	VOLUME	473580.153	3754497.753	471.57
LOCATION L0001486	VOLUME	473582.623	3754506.962	471.75
LOCATION L0001487	VOLUME	473584.721	3754516.320	471.99
LOCATION L0001488	VOLUME	473586.818	3754525.678	472.00
LOCATION L0001489	VOLUME	473588.916	3754535.036	472.00
LOCATION L0001490	VOLUME	473589.919	3754544.549	472.00
LOCATION L0001491	VOLUME	473590.508	3754554.121	472.01
LOCATION L0001492	VOLUME	473591.097	3754563.693	472.03
LOCATION L0001493	VOLUME	473591.686	3754573.264	472.06
LOCATION L0001494	VOLUME	473590.367	3754581.060	472.02
LOCATION L0001495	VOLUME	473580.778	3754581.156	472.00
LOCATION L0001496	VOLUME	473571.188	3754581.252	472.00
LOCATION L0001497	VOLUME	473561.599	3754581.348	472.00
LOCATION L0001498	VOLUME	473552.009	3754581.443	472.00
LOCATION L0001499	VOLUME	473542.420	3754581.539	472.00
LOCATION L0001500	VOLUME	473532.830	3754581.635	472.00
LOCATION L0001501	VOLUME	473523.241	3754581.731	472.00
LOCATION L0001502	VOLUME	473513.651	3754581.826	472.00
LOCATION L0001503	VOLUME	473504.062	3754581.922	472.00
LOCATION L0001504	VOLUME	473494.472	3754582.018	471.83
LOCATION L0001505	VOLUME	473484.883	3754582.114	471.51
LOCATION L0001506	VOLUME	473475.293	3754582.209	471.19
LOCATION L0001507	VOLUME	473465.704	3754582.305	471.00
LOCATION L0001508	VOLUME	473456.114	3754582.401	471.00
LOCATION L0001509	VOLUME	473446.524	3754582.496	471.00
LOCATION L0001510	VOLUME	473436.935	3754582.592	471.00
LOCATION L0001511	VOLUME	473427.345	3754582.688	471.00
LOCATION L0001512	VOLUME	473417.756	3754582.784	471.00
LOCATION L0001513	VOLUME	473408.166	3754582.879	470.95
LOCATION L0001514	VOLUME	473398.577	3754582.975	470.63
LOCATION L0001515	VOLUME	473388.987	3754583.071	470.31
LOCATION L0001516	VOLUME	473379.398	3754583.167	470.00
LOCATION L0001517	VOLUME	473369.808	3754583.262	470.00
LOCATION L0001518	VOLUME	473360.219	3754583.358	470.00
LOCATION L0001519	VOLUME	473350.629	3754583.454	470.00
LOCATION L0001520	VOLUME	473341.040	3754583.550	470.00
LOCATION L0001521	VOLUME	473331.450	3754583.645	470.00
LOCATION L0001522	VOLUME	473321.861	3754583.741	470.00

LOCATION	VOLUME				
L0001523	473312.271	3754583.837	470.00		
L0001524	473302.682	3754583.933	470.00		
L0001525	473293.092	3754584.028	470.00		
L0001526	473283.503	3754584.124	470.00		
L0001527	473273.913	3754584.220	470.00		
L0001528	473264.324	3754584.315	470.00		
L0001529	473254.734	3754584.411	469.84		
L0001530	473245.144	3754584.507	469.52		
L0001531	473235.555	3754584.603	469.20		
L0001532	473225.965	3754584.698	469.00		
L0001533	473216.376	3754584.794	469.00		
L0001534	473206.786	3754584.890	469.00		
L0001535	473197.197	3754584.986	469.00		

\*\* END OF LINE VOLUME SOURCE ID = SLINE8

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\*\* LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

\*\* LINE VOLUME SOURCE ID = SLINE9

\*\* DESCRSRC OUTBOUND 50% DWY 1

\*\* PREFIX

\*\* LENGTH OF SIDE = 9.59

\*\* CONFIGURATION = ADJACENT

\*\* EMISSION RATE = 8.439E-07

\*\* VERTICAL DIMENSION = 6.99

\*\* SZINIT = 3.25

\*\* NODES = 12

\*\* 473578.177, 3753637.788, 463.95, 3.49, 4.46

\*\* 473378.314, 3754185.419, 469.00, 3.49, 4.46

\*\* 473372.299, 3754265.613, 470.00, 3.49, 4.46

\*\* 473387.002, 3754348.480, 470.00, 3.49, 4.46

\*\* 473419.079, 3754397.933, 470.14, 3.49, 4.46

\*\* 473462.518, 3754419.318, 471.00, 3.49, 4.46

\*\* 473520.658, 3754437.362, 470.15, 3.49, 4.46

\*\* 473560.087, 3754464.093, 470.91, 3.49, 4.46

\*\* 473580.804, 3754498.844, 471.24, 3.49, 4.46

\*\* 473589.491, 3754537.604, 472.00, 3.49, 4.46

\*\* 473592.164, 3754581.043, 472.02, 3.49, 4.46

\*\* 473190.526, 3754585.052, 469.00, 3.49, 4.46

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L0001536	473576.533	3753642.292	464.00		
L0001537	473573.245	3753651.301	463.84		
L0001538	473569.957	3753660.310	463.54		
L0001539	473566.670	3753669.319	463.24		
L0001540	473563.382	3753678.327	463.00		
L0001541	473560.094	3753687.336	463.00		
L0001542	473556.806	3753696.345	463.06		
L0001543	473553.518	3753705.354	463.20		
L0001544	473550.230	3753714.362	463.31		
L0001545	473546.943	3753723.371	463.42		
L0001546	473543.655	3753732.380	463.53		
L0001547	473540.367	3753741.389	463.64		



LOCATION	L0001548	VOLUME	473537.079	3753750.398	463.75
LOCATION	L0001549	VOLUME	473533.791	3753759.406	463.86
LOCATION	L0001550	VOLUME	473530.503	3753768.415	463.97
LOCATION	L0001551	VOLUME	473527.215	3753777.424	464.08
LOCATION	L0001552	VOLUME	473523.928	3753786.433	464.19
LOCATION	L0001553	VOLUME	473520.640	3753795.442	464.30
LOCATION	L0001554	VOLUME	473517.352	3753804.450	464.56
LOCATION	L0001555	VOLUME	473514.064	3753813.459	464.79
LOCATION	L0001556	VOLUME	473510.776	3753822.468	464.95
LOCATION	L0001557	VOLUME	473507.488	3753831.477	465.00
LOCATION	L0001558	VOLUME	473504.201	3753840.485	465.00
LOCATION	L0001559	VOLUME	473500.913	3753849.494	465.00
LOCATION	L0001560	VOLUME	473497.625	3753858.503	465.06
LOCATION	L0001561	VOLUME	473494.337	3753867.512	465.11
LOCATION	L0001562	VOLUME	473491.049	3753876.521	465.10
LOCATION	L0001563	VOLUME	473487.761	3753885.529	465.01
LOCATION	L0001564	VOLUME	473484.474	3753894.538	465.27
LOCATION	L0001565	VOLUME	473481.186	3753903.547	465.57
LOCATION	L0001566	VOLUME	473477.898	3753912.556	465.87
LOCATION	L0001567	VOLUME	473474.610	3753921.564	466.00
LOCATION	L0001568	VOLUME	473471.322	3753930.573	466.00
LOCATION	L0001569	VOLUME	473468.034	3753939.582	466.05
LOCATION	L0001570	VOLUME	473464.747	3753948.591	466.22
LOCATION	L0001571	VOLUME	473461.459	3753957.600	466.54
LOCATION	L0001572	VOLUME	473458.171	3753966.608	466.79
LOCATION	L0001573	VOLUME	473454.883	3753975.617	466.98
LOCATION	L0001574	VOLUME	473451.595	3753984.626	467.16
LOCATION	L0001575	VOLUME	473448.307	3753993.635	467.40
LOCATION	L0001576	VOLUME	473445.019	3754002.644	467.71
LOCATION	L0001577	VOLUME	473441.732	3754011.652	467.94
LOCATION	L0001578	VOLUME	473438.444	3754020.661	467.98
LOCATION	L0001579	VOLUME	473435.156	3754029.670	467.97
LOCATION	L0001580	VOLUME	473431.868	3754038.679	468.05
LOCATION	L0001581	VOLUME	473428.580	3754047.687	468.23
LOCATION	L0001582	VOLUME	473425.292	3754056.696	468.35
LOCATION	L0001583	VOLUME	473422.005	3754065.705	468.40
LOCATION	L0001584	VOLUME	473418.717	3754074.714	468.49
LOCATION	L0001585	VOLUME	473415.429	3754083.723	468.65
LOCATION	L0001586	VOLUME	473412.141	3754092.731	468.88
LOCATION	L0001587	VOLUME	473408.853	3754101.740	469.00
LOCATION	L0001588	VOLUME	473405.565	3754110.749	469.00
LOCATION	L0001589	VOLUME	473402.278	3754119.758	469.00
LOCATION	L0001590	VOLUME	473398.990	3754128.767	469.00
LOCATION	L0001591	VOLUME	473395.702	3754137.775	469.00
LOCATION	L0001592	VOLUME	473392.414	3754146.784	469.00
LOCATION	L0001593	VOLUME	473389.126	3754155.793	469.00
LOCATION	L0001594	VOLUME	473385.838	3754164.802	469.00
LOCATION	L0001595	VOLUME	473382.550	3754173.810	469.00
LOCATION	L0001596	VOLUME	473379.263	3754182.819	469.00
LOCATION	L0001597	VOLUME	473377.804	3754192.222	469.18

LOCATION	L0001598	VOLUME	473377.086	3754201.786	469.46
LOCATION	L0001599	VOLUME	473376.369	3754211.349	469.74
LOCATION	L0001600	VOLUME	473375.652	3754220.912	469.89
LOCATION	L0001601	VOLUME	473374.935	3754230.475	469.92
LOCATION	L0001602	VOLUME	473374.217	3754240.038	469.96
LOCATION	L0001603	VOLUME	473373.500	3754249.601	470.00
LOCATION	L0001604	VOLUME	473372.783	3754259.164	470.00
LOCATION	L0001605	VOLUME	473372.845	3754268.688	470.00
LOCATION	L0001606	VOLUME	473374.520	3754278.131	470.00
LOCATION	L0001607	VOLUME	473376.196	3754287.573	470.00
LOCATION	L0001608	VOLUME	473377.871	3754297.016	470.00
LOCATION	L0001609	VOLUME	473379.546	3754306.458	470.00
LOCATION	L0001610	VOLUME	473381.221	3754315.901	470.00
LOCATION	L0001611	VOLUME	473382.897	3754325.343	470.00
LOCATION	L0001612	VOLUME	473384.572	3754334.786	470.00
LOCATION	L0001613	VOLUME	473386.247	3754344.229	470.00
LOCATION	L0001614	VOLUME	473389.871	3754352.903	470.00
LOCATION	L0001615	VOLUME	473395.089	3754360.949	470.00
LOCATION	L0001616	VOLUME	473400.308	3754368.994	470.00
LOCATION	L0001617	VOLUME	473405.527	3754377.040	470.00
LOCATION	L0001618	VOLUME	473410.746	3754385.086	470.04
LOCATION	L0001619	VOLUME	473415.965	3754393.131	470.21
LOCATION	L0001620	VOLUME	473422.548	3754399.641	470.49
LOCATION	L0001621	VOLUME	473431.152	3754403.877	470.79
LOCATION	L0001622	VOLUME	473439.756	3754408.112	471.00
LOCATION	L0001623	VOLUME	473448.360	3754412.348	471.00
LOCATION	L0001624	VOLUME	473456.964	3754416.584	471.00
LOCATION	L0001625	VOLUME	473465.764	3754420.326	471.00
LOCATION	L0001626	VOLUME	473474.923	3754423.168	471.00
LOCATION	L0001627	VOLUME	473484.082	3754426.011	471.00
LOCATION	L0001628	VOLUME	473493.242	3754428.853	471.00
LOCATION	L0001629	VOLUME	473502.401	3754431.696	470.92
LOCATION	L0001630	VOLUME	473511.560	3754434.538	470.71
LOCATION	L0001631	VOLUME	473520.711	3754437.397	470.55
LOCATION	L0001632	VOLUME	473528.648	3754442.779	470.56
LOCATION	L0001633	VOLUME	473536.586	3754448.160	470.65
LOCATION	L0001634	VOLUME	473544.524	3754453.542	470.85
LOCATION	L0001635	VOLUME	473552.462	3754458.923	471.06
LOCATION	L0001636	VOLUME	473560.280	3754464.417	471.24
LOCATION	L0001637	VOLUME	473565.191	3754472.655	471.35
LOCATION	L0001638	VOLUME	473570.102	3754480.892	471.46
LOCATION	L0001639	VOLUME	473575.012	3754489.129	471.53
LOCATION	L0001640	VOLUME	473579.923	3754497.366	471.57
LOCATION	L0001641	VOLUME	473582.525	3754506.523	471.74
LOCATION	L0001642	VOLUME	473584.622	3754515.881	471.98
LOCATION	L0001643	VOLUME	473586.720	3754525.239	472.00
LOCATION	L0001644	VOLUME	473588.817	3754534.597	472.00
LOCATION	L0001645	VOLUME	473589.891	3754544.100	472.00
LOCATION	L0001646	VOLUME	473590.480	3754553.672	472.01
LOCATION	L0001647	VOLUME	473591.069	3754563.244	472.03

LOCATION L0001648	VOLUME	473591.658	3754572.816	472.06
LOCATION L0001649	VOLUME	473590.817	3754581.056	472.04
LOCATION L0001650	VOLUME	473581.227	3754581.152	472.00
LOCATION L0001651	VOLUME	473571.638	3754581.247	472.00
LOCATION L0001652	VOLUME	473562.048	3754581.343	472.00
LOCATION L0001653	VOLUME	473552.459	3754581.439	472.00
LOCATION L0001654	VOLUME	473542.869	3754581.535	472.00
LOCATION L0001655	VOLUME	473533.280	3754581.630	472.00
LOCATION L0001656	VOLUME	473523.690	3754581.726	472.00
LOCATION L0001657	VOLUME	473514.101	3754581.822	472.00
LOCATION L0001658	VOLUME	473504.511	3754581.918	472.00
LOCATION L0001659	VOLUME	473494.922	3754582.013	471.84
LOCATION L0001660	VOLUME	473485.332	3754582.109	471.52
LOCATION L0001661	VOLUME	473475.743	3754582.205	471.20
LOCATION L0001662	VOLUME	473466.153	3754582.301	471.00
LOCATION L0001663	VOLUME	473456.564	3754582.396	471.00
LOCATION L0001664	VOLUME	473446.974	3754582.492	471.00
LOCATION L0001665	VOLUME	473437.385	3754582.588	471.00
LOCATION L0001666	VOLUME	473427.795	3754582.683	471.00
LOCATION L0001667	VOLUME	473418.206	3754582.779	471.00
LOCATION L0001668	VOLUME	473408.616	3754582.875	470.97
LOCATION L0001669	VOLUME	473399.027	3754582.971	470.65
LOCATION L0001670	VOLUME	473389.437	3754583.066	470.33
LOCATION L0001671	VOLUME	473379.848	3754583.162	470.01
LOCATION L0001672	VOLUME	473370.258	3754583.258	470.00
LOCATION L0001673	VOLUME	473360.668	3754583.354	470.00
LOCATION L0001674	VOLUME	473351.079	3754583.449	470.00
LOCATION L0001675	VOLUME	473341.489	3754583.545	470.00
LOCATION L0001676	VOLUME	473331.900	3754583.641	470.00
LOCATION L0001677	VOLUME	473322.310	3754583.737	470.00
LOCATION L0001678	VOLUME	473312.721	3754583.832	470.00
LOCATION L0001679	VOLUME	473303.131	3754583.928	470.00
LOCATION L0001680	VOLUME	473293.542	3754584.024	470.00
LOCATION L0001681	VOLUME	473283.952	3754584.120	470.00
LOCATION L0001682	VOLUME	473274.363	3754584.215	470.00
LOCATION L0001683	VOLUME	473264.773	3754584.311	470.00
LOCATION L0001684	VOLUME	473255.184	3754584.407	469.85
LOCATION L0001685	VOLUME	473245.594	3754584.502	469.53
LOCATION L0001686	VOLUME	473236.005	3754584.598	469.21
LOCATION L0001687	VOLUME	473226.415	3754584.694	469.00
LOCATION L0001688	VOLUME	473216.826	3754584.790	469.00
LOCATION L0001689	VOLUME	473207.236	3754584.885	469.00
LOCATION L0001690	VOLUME	473197.647	3754584.981	469.00

\*\* END OF LINE VOLUME SOURCE ID = SLINE9

\*\* SOURCE PARAMETERS \*\*

\*\* LINE VOLUME SOURCE ID = SLINE1

SRCPARAM L0000146	0.000001564	3.49	4.00	3.25
SRCPARAM L0000147	0.000001564	3.49	4.00	3.25
SRCPARAM L0000148	0.000001564	3.49	4.00	3.25
SRCPARAM L0000149	0.000001564	3.49	4.00	3.25

SRCPARAM L0000150	0.000001564	3.49	4.00	3.25
** -----				
** LINE VOLUME SOURCE ID = SLINE2				
SRCPARAM L0000151	0.000001564	3.49	4.00	3.25
SRCPARAM L0000152	0.000001564	3.49	4.00	3.25
SRCPARAM L0000153	0.000001564	3.49	4.00	3.25
SRCPARAM L0000154	0.000001564	3.49	4.00	3.25
SRCPARAM L0000155	0.000001564	3.49	4.00	3.25
** -----				
** LINE VOLUME SOURCE ID = SLINE3				
SRCPARAM L0000156	0.0000002246	3.49	4.00	3.25
SRCPARAM L0000157	0.0000002246	3.49	4.00	3.25
SRCPARAM L0000158	0.0000002246	3.49	4.00	3.25
SRCPARAM L0000159	0.0000002246	3.49	4.00	3.25
SRCPARAM L0000160	0.0000002246	3.49	4.00	3.25
SRCPARAM L0000161	0.0000002246	3.49	4.00	3.25
SRCPARAM L0000162	0.0000002246	3.49	4.00	3.25
SRCPARAM L0000163	0.0000002246	3.49	4.00	3.25
SRCPARAM L0000164	0.0000002246	3.49	4.00	3.25
SRCPARAM L0000165	0.0000002246	3.49	4.00	3.25
SRCPARAM L0000166	0.0000002246	3.49	4.00	3.25
SRCPARAM L0000167	0.0000002246	3.49	4.00	3.25
SRCPARAM L0000168	0.0000002246	3.49	4.00	3.25
SRCPARAM L0000169	0.0000002246	3.49	4.00	3.25
SRCPARAM L0000170	0.0000002246	3.49	4.00	3.25
SRCPARAM L0000171	0.0000002246	3.49	4.00	3.25
SRCPARAM L0000172	0.0000002246	3.49	4.00	3.25
SRCPARAM L0000173	0.0000002246	3.49	4.00	3.25
SRCPARAM L0000174	0.0000002246	3.49	4.00	3.25
SRCPARAM L0000175	0.0000002246	3.49	4.00	3.25
SRCPARAM L0000176	0.0000002246	3.49	4.00	3.25
SRCPARAM L0000177	0.0000002246	3.49	4.00	3.25
SRCPARAM L0000178	0.0000002246	3.49	4.00	3.25
** -----				
** LINE VOLUME SOURCE ID = SLINE4				
SRCPARAM L0000179	0.0000002262	3.49	4.00	3.25
SRCPARAM L0000180	0.0000002262	3.49	4.00	3.25
SRCPARAM L0000181	0.0000002262	3.49	4.00	3.25
SRCPARAM L0000182	0.0000002262	3.49	4.00	3.25
SRCPARAM L0000183	0.0000002262	3.49	4.00	3.25
SRCPARAM L0000184	0.0000002262	3.49	4.00	3.25
SRCPARAM L0000185	0.0000002262	3.49	4.00	3.25
SRCPARAM L0000186	0.0000002262	3.49	4.00	3.25
SRCPARAM L0000187	0.0000002262	3.49	4.00	3.25
SRCPARAM L0000188	0.0000002262	3.49	4.00	3.25
SRCPARAM L0000189	0.0000002262	3.49	4.00	3.25
SRCPARAM L0000190	0.0000002262	3.49	4.00	3.25
SRCPARAM L0000191	0.0000002262	3.49	4.00	3.25
SRCPARAM L0000192	0.0000002262	3.49	4.00	3.25
SRCPARAM L0000193	0.0000002262	3.49	4.00	3.25

SRCPARAM	L0000194	0.00000002262	3.49	4.00	3.25
SRCPARAM	L0000195	0.00000002262	3.49	4.00	3.25
SRCPARAM	L0000196	0.00000002262	3.49	4.00	3.25
SRCPARAM	L0000197	0.00000002262	3.49	4.00	3.25
SRCPARAM	L0000198	0.00000002262	3.49	4.00	3.25
SRCPARAM	L0000199	0.00000002262	3.49	4.00	3.25
SRCPARAM	L0000200	0.00000002262	3.49	4.00	3.25
SRCPARAM	L0000201	0.00000002262	3.49	4.00	3.25

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\*\* LINE VOLUME SOURCE ID = SLINE6

SRCPARAM	L0001199	0.00000000792	3.49	6.51	3.25
SRCPARAM	L0001200	0.00000000792	3.49	6.51	3.25
SRCPARAM	L0001201	0.00000000792	3.49	6.51	3.25
SRCPARAM	L0001202	0.00000000792	3.49	6.51	3.25
SRCPARAM	L0001203	0.00000000792	3.49	6.51	3.25
SRCPARAM	L0001204	0.00000000792	3.49	6.51	3.25
SRCPARAM	L0001205	0.00000000792	3.49	6.51	3.25
SRCPARAM	L0001206	0.00000000792	3.49	6.51	3.25
SRCPARAM	L0001207	0.00000000792	3.49	6.51	3.25
SRCPARAM	L0001208	0.00000000792	3.49	6.51	3.25
SRCPARAM	L0001209	0.00000000792	3.49	6.51	3.25
SRCPARAM	L0001210	0.00000000792	3.49	6.51	3.25
SRCPARAM	L0001211	0.00000000792	3.49	6.51	3.25
SRCPARAM	L0001212	0.00000000792	3.49	6.51	3.25
SRCPARAM	L0001213	0.00000000792	3.49	6.51	3.25
SRCPARAM	L0001214	0.00000000792	3.49	6.51	3.25
SRCPARAM	L0001215	0.00000000792	3.49	6.51	3.25
SRCPARAM	L0001216	0.00000000792	3.49	6.51	3.25
SRCPARAM	L0001217	0.00000000792	3.49	6.51	3.25
SRCPARAM	L0001218	0.00000000792	3.49	6.51	3.25
SRCPARAM	L0001219	0.00000000792	3.49	6.51	3.25
SRCPARAM	L0001220	0.00000000792	3.49	6.51	3.25
SRCPARAM	L0001221	0.00000000792	3.49	6.51	3.25
SRCPARAM	L0001222	0.00000000792	3.49	6.51	3.25
SRCPARAM	L0001223	0.00000000792	3.49	6.51	3.25
SRCPARAM	L0001224	0.00000000792	3.49	6.51	3.25
SRCPARAM	L0001225	0.00000000792	3.49	6.51	3.25
SRCPARAM	L0001226	0.00000000792	3.49	6.51	3.25
SRCPARAM	L0001227	0.00000000792	3.49	6.51	3.25
SRCPARAM	L0001228	0.00000000792	3.49	6.51	3.25
SRCPARAM	L0001229	0.00000000792	3.49	6.51	3.25
SRCPARAM	L0001230	0.00000000792	3.49	6.51	3.25
SRCPARAM	L0001231	0.00000000792	3.49	6.51	3.25
SRCPARAM	L0001232	0.00000000792	3.49	6.51	3.25
SRCPARAM	L0001233	0.00000000792	3.49	6.51	3.25
SRCPARAM	L0001234	0.00000000792	3.49	6.51	3.25
SRCPARAM	L0001235	0.00000000792	3.49	6.51	3.25
SRCPARAM	L0001236	0.00000000792	3.49	6.51	3.25
SRCPARAM	L0001237	0.00000000792	3.49	6.51	3.25
SRCPARAM	L0001238	0.00000000792	3.49	6.51	3.25

SRCPARAM L0001239	0.00000000792	3.49	6.51	3.25
SRCPARAM L0001240	0.00000000792	3.49	6.51	3.25
SRCPARAM L0001241	0.00000000792	3.49	6.51	3.25
SRCPARAM L0001242	0.00000000792	3.49	6.51	3.25
SRCPARAM L0001243	0.00000000792	3.49	6.51	3.25
SRCPARAM L0001244	0.00000000792	3.49	6.51	3.25
SRCPARAM L0001245	0.00000000792	3.49	6.51	3.25
SRCPARAM L0001246	0.00000000792	3.49	6.51	3.25
SRCPARAM L0001247	0.00000000792	3.49	6.51	3.25
SRCPARAM L0001248	0.00000000792	3.49	6.51	3.25
SRCPARAM L0001249	0.00000000792	3.49	6.51	3.25
SRCPARAM L0001250	0.00000000792	3.49	6.51	3.25
SRCPARAM L0001251	0.00000000792	3.49	6.51	3.25
SRCPARAM L0001252	0.00000000792	3.49	6.51	3.25
SRCPARAM L0001253	0.00000000792	3.49	6.51	3.25
SRCPARAM L0001254	0.00000000792	3.49	6.51	3.25
SRCPARAM L0001255	0.00000000792	3.49	6.51	3.25
SRCPARAM L0001256	0.00000000792	3.49	6.51	3.25
SRCPARAM L0001257	0.00000000792	3.49	6.51	3.25
SRCPARAM L0001258	0.00000000792	3.49	6.51	3.25
SRCPARAM L0001259	0.00000000792	3.49	6.51	3.25
SRCPARAM L0001260	0.00000000792	3.49	6.51	3.25
SRCPARAM L0001261	0.00000000792	3.49	6.51	3.25
SRCPARAM L0001262	0.00000000792	3.49	6.51	3.25
SRCPARAM L0001263	0.00000000792	3.49	6.51	3.25
SRCPARAM L0001264	0.00000000792	3.49	6.51	3.25
SRCPARAM L0001265	0.00000000792	3.49	6.51	3.25
SRCPARAM L0001266	0.00000000792	3.49	6.51	3.25
SRCPARAM L0001267	0.00000000792	3.49	6.51	3.25
SRCPARAM L0001268	0.00000000792	3.49	6.51	3.25
SRCPARAM L0001269	0.00000000792	3.49	6.51	3.25
SRCPARAM L0001270	0.00000000792	3.49	6.51	3.25
SRCPARAM L0001271	0.00000000792	3.49	6.51	3.25
SRCPARAM L0001272	0.00000000792	3.49	6.51	3.25
SRCPARAM L0001273	0.00000000792	3.49	6.51	3.25
SRCPARAM L0001274	0.00000000792	3.49	6.51	3.25
SRCPARAM L0001275	0.00000000792	3.49	6.51	3.25
SRCPARAM L0001276	0.00000000792	3.49	6.51	3.25
SRCPARAM L0001277	0.00000000792	3.49	6.51	3.25
SRCPARAM L0001278	0.00000000792	3.49	6.51	3.25

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\*\* LINE VOLUME SOURCE ID = SLINE7

SRCPARAM L0001279	0.000000007925	3.49	6.51	3.25
SRCPARAM L0001280	0.000000007925	3.49	6.51	3.25
SRCPARAM L0001281	0.000000007925	3.49	6.51	3.25
SRCPARAM L0001282	0.000000007925	3.49	6.51	3.25
SRCPARAM L0001283	0.000000007925	3.49	6.51	3.25
SRCPARAM L0001284	0.000000007925	3.49	6.51	3.25
SRCPARAM L0001285	0.000000007925	3.49	6.51	3.25
SRCPARAM L0001286	0.000000007925	3.49	6.51	3.25



SRCPARAM L0001337	0.000000007925	3.49	6.51	3.25
SRCPARAM L0001338	0.000000007925	3.49	6.51	3.25
SRCPARAM L0001339	0.000000007925	3.49	6.51	3.25
SRCPARAM L0001340	0.000000007925	3.49	6.51	3.25
SRCPARAM L0001341	0.000000007925	3.49	6.51	3.25
SRCPARAM L0001342	0.000000007925	3.49	6.51	3.25
SRCPARAM L0001343	0.000000007925	3.49	6.51	3.25
SRCPARAM L0001344	0.000000007925	3.49	6.51	3.25
SRCPARAM L0001345	0.000000007925	3.49	6.51	3.25
SRCPARAM L0001346	0.000000007925	3.49	6.51	3.25
SRCPARAM L0001347	0.000000007925	3.49	6.51	3.25
SRCPARAM L0001348	0.000000007925	3.49	6.51	3.25
SRCPARAM L0001349	0.000000007925	3.49	6.51	3.25
SRCPARAM L0001350	0.000000007925	3.49	6.51	3.25
SRCPARAM L0001351	0.000000007925	3.49	6.51	3.25
SRCPARAM L0001352	0.000000007925	3.49	6.51	3.25
SRCPARAM L0001353	0.000000007925	3.49	6.51	3.25
SRCPARAM L0001354	0.000000007925	3.49	6.51	3.25
SRCPARAM L0001355	0.000000007925	3.49	6.51	3.25
SRCPARAM L0001356	0.000000007925	3.49	6.51	3.25
SRCPARAM L0001357	0.000000007925	3.49	6.51	3.25
SRCPARAM L0001358	0.000000007925	3.49	6.51	3.25
SRCPARAM L0001359	0.000000007925	3.49	6.51	3.25
SRCPARAM L0001360	0.000000007925	3.49	6.51	3.25
SRCPARAM L0001361	0.000000007925	3.49	6.51	3.25
SRCPARAM L0001362	0.000000007925	3.49	6.51	3.25
SRCPARAM L0001363	0.000000007925	3.49	6.51	3.25
SRCPARAM L0001364	0.000000007925	3.49	6.51	3.25
SRCPARAM L0001365	0.000000007925	3.49	6.51	3.25
SRCPARAM L0001366	0.000000007925	3.49	6.51	3.25
SRCPARAM L0001367	0.000000007925	3.49	6.51	3.25

\*\*

\*\* LINE VOLUME SOURCE ID = SLINE8

SRCPARAM L0001368	0.000000005442	3.49	4.46	3.25
SRCPARAM L0001369	0.000000005442	3.49	4.46	3.25
SRCPARAM L0001370	0.000000005442	3.49	4.46	3.25
SRCPARAM L0001371	0.000000005442	3.49	4.46	3.25
SRCPARAM L0001372	0.000000005442	3.49	4.46	3.25
SRCPARAM L0001373	0.000000005442	3.49	4.46	3.25
SRCPARAM L0001374	0.000000005442	3.49	4.46	3.25
SRCPARAM L0001375	0.000000005442	3.49	4.46	3.25
SRCPARAM L0001376	0.000000005442	3.49	4.46	3.25
SRCPARAM L0001377	0.000000005442	3.49	4.46	3.25
SRCPARAM L0001378	0.000000005442	3.49	4.46	3.25
SRCPARAM L0001379	0.000000005442	3.49	4.46	3.25
SRCPARAM L0001380	0.000000005442	3.49	4.46	3.25
SRCPARAM L0001381	0.000000005442	3.49	4.46	3.25
SRCPARAM L0001382	0.000000005442	3.49	4.46	3.25
SRCPARAM L0001383	0.000000005442	3.49	4.46	3.25
SRCPARAM L0001384	0.000000005442	3.49	4.46	3.25















SRCPARAM L0001683	0.00000005445	3.49	4.46	3.25
SRCPARAM L0001684	0.00000005445	3.49	4.46	3.25
SRCPARAM L0001685	0.00000005445	3.49	4.46	3.25
SRCPARAM L0001686	0.00000005445	3.49	4.46	3.25
SRCPARAM L0001687	0.00000005445	3.49	4.46	3.25
SRCPARAM L0001688	0.00000005445	3.49	4.46	3.25
SRCPARAM L0001689	0.00000005445	3.49	4.46	3.25
SRCPARAM L0001690	0.00000005445	3.49	4.46	3.25

\*\*

-----  
 URBANSRC ALL  
 SRCGROUP ALL

SO FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD RECEPTOR PATHWAY

\*\*\*\*\*

\*\*

\*\*

RE STARTING

INCLUDED "14555 OPS.ROU"

RE FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD METEOROLOGY PATHWAY

\*\*\*\*\*

\*\*

\*\*

ME STARTING

SURFFILE PERI\_V9\_ADJU\PERI\_V9.SFC

PROFFILE PERI\_V9\_ADJU\PERI\_V9.PFL

SURFDATA 3171 2010

UAIRDATA 3190 2010

SITEDATA 99999 2010

PROFBASE 442.0 METERS

ME FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD OUTPUT PATHWAY

\*\*\*\*\*

\*\*

\*\*

OU STARTING

\*\* AUTO-GENERATED PLOTFILES

PLOTFILE ANNUAL ALL "14555 OPS.AD\AN00GALL.PLT" 31

SUMMFILE "14555 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     1333        MEOPEN: THRESH\_1MIN 1-min ASOS wind speed threshold used  
          0.50  
ME W187     1333        MEOPEN: ADJ\_U\* Option for Stable Low Winds used in AERMET

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

▲ \*\*\* AERMOD - VERSION 21112 \*\*\*     \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14555  
COTTONWOOD AND EDGEMONT\1 \*\*\*        01/11/23  
\*\*\* AERMET - VERSION 16216 \*\*\*     \*\*\*  
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\*\*\* MODELOPTs:     RegDEFAULT    CONC    ELEV    URBAN    ADJ\_U\*

                                      \*\*\*        MODEL SETUP OPTIONS SUMMARY

\*\*\*

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

-- DEPOSITION LOGIC --

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

\*\*Model Uses URBAN Dispersion Algorithm for the SBL for    548 Source(s),  
for Total of     1 Urban Area(s):  
Urban Population =    2189641.0 ; Urban Roughness Length =    1.000 m

\*\*Model Uses Regulatory DEFAULT Options:  
1. Stack-tip Downwash.  
2. Model Accounts for ELEVated Terrain Effects.  
3. Use Calms Processing Routine.



4. Use Missing Data Processing Routine.
5. No Exponential Decay.
6. Urban Roughness Length of 1.0 Meter Assumed.

**\*\*Other Options Specified:**

ADJ\_U\* - Use ADJ\_U\* option for SBL in AERMET  
CCVR\_Sub - Meteorological data includes CCVR substitutions  
TEMP\_Sub - Meteorological data includes TEMP substitutions

**\*\*Model Assumes No FLAGPOLE Receptor Heights.**

**\*\*The User Specified a Pollutant Type of: DPM**

**\*\*Model Calculates ANNUAL Averages Only**

**\*\*This Run Includes: 548 Source(s); 1 Source Group(s); and 50 Receptor(s)**

with: 0 POINT(s), including  
0 POINTCAP(s) and 0 POINTHOR(s)  
and: 548 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)

**\*\*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) = 442.00 ; 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: 14555 OPS.ERR

\*\*File for Summary of Results: 14555 OPS.SUM

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14555
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\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*
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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

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

INIT. URBAN NUMBER EMISSION RATE BASE RELEASE INIT.
SOURCE PART. (GRAMS/SEC) X Y ELEV. HEIGHT SY
SZ SOURCE SCALAR VARY
ID CATS. (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS) BY

Table with 8 columns: ID, URBAN, NUMBER, EMISSION RATE, X, Y, BASE, RELEASE, INIT. It lists 15 rows of source data for various locations (L0000146 to L0000154).

L0000155	0	0.15640E-05	473752.4	3753576.1	467.6	3.49	4.00
3.25 YES							
L0000156	0	0.22460E-07	473744.1	3753653.7	466.2	3.49	4.00
3.25 YES							
L0000157	0	0.22460E-07	473741.0	3753661.7	466.0	3.49	4.00
3.25 YES							
L0000158	0	0.22460E-07	473737.9	3753669.8	465.9	3.49	4.00
3.25 YES							
L0000159	0	0.22460E-07	473734.7	3753677.8	465.8	3.49	4.00
3.25 YES							
L0000160	0	0.22460E-07	473731.6	3753685.8	465.3	3.49	4.00
3.25 YES							
L0000161	0	0.22460E-07	473728.5	3753693.8	464.8	3.49	4.00
3.25 YES							
L0000162	0	0.22460E-07	473722.1	3753698.9	464.2	3.49	4.00
3.25 YES							
L0000163	0	0.22460E-07	473713.7	3753698.6	463.8	3.49	4.00
3.25 YES							
L0000164	0	0.22460E-07	473705.6	3753695.7	463.7	3.49	4.00
3.25 YES							
L0000165	0	0.22460E-07	473697.6	3753692.8	463.7	3.49	4.00
3.25 YES							
L0000166	0	0.22460E-07	473689.5	3753689.9	463.7	3.49	4.00
3.25 YES							
L0000167	0	0.22460E-07	473681.4	3753686.9	463.7	3.49	4.00
3.25 YES							
L0000168	0	0.22460E-07	473673.3	3753684.0	463.6	3.49	4.00
3.25 YES							
L0000169	0	0.22460E-07	473665.3	3753681.1	463.4	3.49	4.00
3.25 YES							
L0000170	0	0.22460E-07	473657.2	3753678.2	463.2	3.49	4.00
3.25 YES							
L0000171	0	0.22460E-07	473649.1	3753675.3	463.1	3.49	4.00
3.25 YES							
L0000172	0	0.22460E-07	473641.0	3753672.3	463.4	3.49	4.00
3.25 YES							
L0000173	0	0.22460E-07	473632.9	3753669.4	463.7	3.49	4.00
3.25 YES							
L0000174	0	0.22460E-07	473624.9	3753666.5	464.0	3.49	4.00
3.25 YES							
L0000175	0	0.22460E-07	473616.8	3753663.6	464.2	3.49	4.00
3.25 YES							
L0000176	0	0.22460E-07	473608.7	3753660.7	464.2	3.49	4.00
3.25 YES							
L0000177	0	0.22460E-07	473601.8	3753655.7	464.3	3.49	4.00
3.25 YES							
L0000178	0	0.22460E-07	473594.9	3753650.8	464.2	3.49	4.00
3.25 YES							
L0000179	0	0.22620E-07	473755.9	3753620.5	466.9	3.49	4.00
3.25 YES							

L0000180	0	0.22620E-07	473758.7	3753612.4	467.1	3.49	4.00
3.25	YES						
L0000181	0	0.22620E-07	473761.6	3753604.3	467.3	3.49	4.00
3.25	YES						
L0000182	0	0.22620E-07	473764.4	3753596.2	467.6	3.49	4.00
3.25	YES						
L0000183	0	0.22620E-07	473767.3	3753588.1	467.9	3.49	4.00
3.25	YES						
L0000184	0	0.22620E-07	473769.9	3753580.0	468.0	3.49	4.00
3.25	YES						
L0000185	0	0.22620E-07	473765.4	3753572.9	467.9	3.49	4.00
3.25	YES						

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

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

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
ID	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY						

L0000186	0	0.22620E-07	473758.4	3753568.6	467.9	3.49	4.00
3.25	YES						
L0000187	0	0.22620E-07	473750.1	3753566.3	467.8	3.49	4.00
3.25	YES						
L0000188	0	0.22620E-07	473742.0	3753563.5	467.8	3.49	4.00
3.25	YES						
L0000189	0	0.22620E-07	473733.9	3753560.5	467.9	3.49	4.00
3.25	YES						
L0000190	0	0.22620E-07	473725.8	3753557.6	468.0	3.49	4.00
3.25	YES						
L0000191	0	0.22620E-07	473717.7	3753554.7	467.9	3.49	4.00
3.25	YES						
L0000192	0	0.22620E-07	473709.6	3753551.8	467.8	3.49	4.00
3.25	YES						
L0000193	0	0.22620E-07	473701.6	3753548.9	467.5	3.49	4.00
3.25	YES						
L0000194	0	0.22620E-07	473693.5	3753546.0	467.3	3.49	4.00
3.25	YES						

L0000195	0	0.22620E-07	473685.4	3753543.0	467.1	3.49	4.00
3.25 YES							
L0000196	0	0.22620E-07	473677.3	3753540.1	467.0	3.49	4.00
3.25 YES							
L0000197	0	0.22620E-07	473669.2	3753537.2	466.9	3.49	4.00
3.25 YES							
L0000198	0	0.22620E-07	473661.2	3753534.3	466.8	3.49	4.00
3.25 YES							
L0000199	0	0.22620E-07	473653.1	3753531.4	466.9	3.49	4.00
3.25 YES							
L0000200	0	0.22620E-07	473644.7	3753531.6	466.7	3.49	4.00
3.25 YES							
L0000201	0	0.22620E-07	473636.5	3753530.0	466.5	3.49	4.00
3.25 YES							
L0001199	0	0.79200E-08	473621.1	3753518.8	466.0	3.49	6.51
3.25 YES							
L0001200	0	0.79200E-08	473625.9	3753505.7	466.1	3.49	6.51
3.25 YES							
L0001201	0	0.79200E-08	473630.7	3753492.5	466.1	3.49	6.51
3.25 YES							
L0001202	0	0.79200E-08	473635.5	3753479.4	466.6	3.49	6.51
3.25 YES							
L0001203	0	0.79200E-08	473640.3	3753466.2	467.0	3.49	6.51
3.25 YES							
L0001204	0	0.79200E-08	473645.1	3753453.1	467.0	3.49	6.51
3.25 YES							
L0001205	0	0.79200E-08	473649.9	3753439.9	467.0	3.49	6.51
3.25 YES							
L0001206	0	0.79200E-08	473654.7	3753426.8	467.4	3.49	6.51
3.25 YES							
L0001207	0	0.79200E-08	473659.5	3753413.6	467.8	3.49	6.51
3.25 YES							
L0001208	0	0.79200E-08	473664.3	3753400.5	468.0	3.49	6.51
3.25 YES							
L0001209	0	0.79200E-08	473669.1	3753387.3	468.0	3.49	6.51
3.25 YES							
L0001210	0	0.79200E-08	473673.9	3753374.1	468.0	3.49	6.51
3.25 YES							
L0001211	0	0.79200E-08	473678.6	3753361.0	468.0	3.49	6.51
3.25 YES							
L0001212	0	0.79200E-08	473683.3	3753347.8	468.0	3.49	6.51
3.25 YES							
L0001213	0	0.79200E-08	473688.1	3753334.6	468.0	3.49	6.51
3.25 YES							
L0001214	0	0.79200E-08	473692.8	3753321.4	468.0	3.49	6.51
3.25 YES							
L0001215	0	0.79200E-08	473697.6	3753308.3	468.0	3.49	6.51
3.25 YES							
L0001216	0	0.79200E-08	473702.3	3753295.1	468.0	3.49	6.51
3.25 YES							

L0001217	0	0.79200E-08	473707.0	3753281.9	468.1	3.49	6.51
3.25	YES						
L0001218	0	0.79200E-08	473711.8	3753268.8	468.6	3.49	6.51
3.25	YES						
L0001219	0	0.79200E-08	473716.5	3753255.6	469.0	3.49	6.51
3.25	YES						
L0001220	0	0.79200E-08	473721.3	3753242.4	468.7	3.49	6.51
3.25	YES						
L0001221	0	0.79200E-08	473726.0	3753229.2	468.6	3.49	6.51
3.25	YES						
L0001222	0	0.79200E-08	473730.8	3753216.1	468.7	3.49	6.51
3.25	YES						

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

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

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.			(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY						

L0001223	0	0.79200E-08	473735.5	3753202.9	468.9	3.49	6.51
3.25	YES						
L0001224	0	0.79200E-08	473740.2	3753189.7	469.0	3.49	6.51
3.25	YES						
L0001225	0	0.79200E-08	473745.0	3753176.5	469.0	3.49	6.51
3.25	YES						
L0001226	0	0.79200E-08	473749.7	3753163.4	468.9	3.49	6.51
3.25	YES						
L0001227	0	0.79200E-08	473754.5	3753150.2	468.7	3.49	6.51
3.25	YES						
L0001228	0	0.79200E-08	473759.2	3753137.0	468.7	3.49	6.51
3.25	YES						
L0001229	0	0.79200E-08	473764.0	3753123.9	468.8	3.49	6.51
3.25	YES						
L0001230	0	0.79200E-08	473768.7	3753110.7	469.0	3.49	6.51
3.25	YES						
L0001231	0	0.79200E-08	473773.4	3753097.5	468.7	3.49	6.51
3.25	YES						

L0001232	0	0.79200E-08	473778.2	3753084.3	468.3	3.49	6.51
3.25 YES							
L0001233	0	0.79200E-08	473782.9	3753071.2	468.0	3.49	6.51
3.25 YES							
L0001234	0	0.79200E-08	473787.7	3753058.0	468.0	3.49	6.51
3.25 YES							
L0001235	0	0.79200E-08	473792.4	3753044.8	468.0	3.49	6.51
3.25 YES							
L0001236	0	0.79200E-08	473797.1	3753031.7	468.0	3.49	6.51
3.25 YES							
L0001237	0	0.79200E-08	473801.9	3753018.5	468.1	3.49	6.51
3.25 YES							
L0001238	0	0.79200E-08	473806.6	3753005.3	468.2	3.49	6.51
3.25 YES							
L0001239	0	0.79200E-08	473811.4	3752992.1	468.4	3.49	6.51
3.25 YES							
L0001240	0	0.79200E-08	473816.1	3752979.0	468.7	3.49	6.51
3.25 YES							
L0001241	0	0.79200E-08	473820.9	3752965.8	468.9	3.49	6.51
3.25 YES							
L0001242	0	0.79200E-08	473812.2	3752962.1	468.9	3.49	6.51
3.25 YES							
L0001243	0	0.79200E-08	473798.2	3752962.1	468.8	3.49	6.51
3.25 YES							
L0001244	0	0.79200E-08	473784.2	3752962.2	468.4	3.49	6.51
3.25 YES							
L0001245	0	0.79200E-08	473770.2	3752962.3	468.0	3.49	6.51
3.25 YES							
L0001246	0	0.79200E-08	473756.2	3752962.3	468.0	3.49	6.51
3.25 YES							
L0001247	0	0.79200E-08	473742.2	3752962.4	468.0	3.49	6.51
3.25 YES							
L0001248	0	0.79200E-08	473728.2	3752962.5	467.6	3.49	6.51
3.25 YES							
L0001249	0	0.79200E-08	473714.2	3752962.5	467.2	3.49	6.51
3.25 YES							
L0001250	0	0.79200E-08	473700.2	3752962.6	467.0	3.49	6.51
3.25 YES							
L0001251	0	0.79200E-08	473686.2	3752962.6	467.0	3.49	6.51
3.25 YES							
L0001252	0	0.79200E-08	473672.2	3752962.7	467.0	3.49	6.51
3.25 YES							
L0001253	0	0.79200E-08	473658.2	3752962.8	467.0	3.49	6.51
3.25 YES							
L0001254	0	0.79200E-08	473644.2	3752962.8	467.0	3.49	6.51
3.25 YES							
L0001255	0	0.79200E-08	473630.2	3752962.9	466.9	3.49	6.51
3.25 YES							
L0001256	0	0.79200E-08	473616.2	3752962.9	466.7	3.49	6.51
3.25 YES							

L0001257	0	0.79200E-08	473602.2	3752963.0	466.3	3.49	6.51
3.25	YES						
L0001258	0	0.79200E-08	473588.2	3752963.1	465.9	3.49	6.51
3.25	YES						
L0001259	0	0.79200E-08	473574.2	3752963.1	465.5	3.49	6.51
3.25	YES						
L0001260	0	0.79200E-08	473560.2	3752963.2	465.0	3.49	6.51
3.25	YES						
L0001261	0	0.79200E-08	473546.2	3752963.3	464.6	3.49	6.51
3.25	YES						
L0001262	0	0.79200E-08	473532.2	3752963.3	464.1	3.49	6.51
3.25	YES						

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

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

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.			(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY						

L0001263	0	0.79200E-08	473518.2	3752963.4	463.6	3.49	6.51
3.25	YES						
L0001264	0	0.79200E-08	473504.2	3752963.4	463.2	3.49	6.51
3.25	YES						
L0001265	0	0.79200E-08	473490.2	3752963.5	463.0	3.49	6.51
3.25	YES						
L0001266	0	0.79200E-08	473476.2	3752963.4	463.0	3.49	6.51
3.25	YES						
L0001267	0	0.79200E-08	473462.2	3752963.3	463.2	3.49	6.51
3.25	YES						
L0001268	0	0.79200E-08	473448.2	3752963.3	463.7	3.49	6.51
3.25	YES						
L0001269	0	0.79200E-08	473434.2	3752963.2	464.0	3.49	6.51
3.25	YES						
L0001270	0	0.79200E-08	473420.2	3752963.1	464.0	3.49	6.51
3.25	YES						
L0001271	0	0.79200E-08	473406.2	3752963.0	464.1	3.49	6.51
3.25	YES						



L0001272	0	0.79200E-08	473392.2	3752962.9	464.6	3.49	6.51
3.25	YES						
L0001273	0	0.79200E-08	473378.2	3752962.8	465.0	3.49	6.51
3.25	YES						
L0001274	0	0.79200E-08	473364.2	3752962.8	465.0	3.49	6.51
3.25	YES						
L0001275	0	0.79200E-08	473350.2	3752962.7	465.0	3.49	6.51
3.25	YES						
L0001276	0	0.79200E-08	473336.2	3752962.6	465.0	3.49	6.51
3.25	YES						
L0001277	0	0.79200E-08	473322.2	3752962.5	465.0	3.49	6.51
3.25	YES						
L0001278	0	0.79200E-08	473308.2	3752962.4	464.9	3.49	6.51
3.25	YES						
L0001279	0	0.79250E-08	473577.8	3753637.6	464.0	3.49	6.51
3.25	YES						
L0001280	0	0.79250E-08	473582.6	3753624.5	464.0	3.49	6.51
3.25	YES						
L0001281	0	0.79250E-08	473587.4	3753611.3	464.0	3.49	6.51
3.25	YES						
L0001282	0	0.79250E-08	473592.2	3753598.2	464.1	3.49	6.51
3.25	YES						
L0001283	0	0.79250E-08	473597.0	3753585.0	464.3	3.49	6.51
3.25	YES						
L0001284	0	0.79250E-08	473601.8	3753571.9	464.9	3.49	6.51
3.25	YES						
L0001285	0	0.79250E-08	473606.6	3753558.7	465.5	3.49	6.51
3.25	YES						
L0001286	0	0.79250E-08	473611.4	3753545.6	465.7	3.49	6.51
3.25	YES						
L0001287	0	0.79250E-08	473616.2	3753532.4	465.9	3.49	6.51
3.25	YES						
L0001288	0	0.79250E-08	473621.0	3753519.3	466.0	3.49	6.51
3.25	YES						
L0001289	0	0.79250E-08	473625.8	3753506.1	466.1	3.49	6.51
3.25	YES						
L0001290	0	0.79250E-08	473630.6	3753493.0	466.1	3.49	6.51
3.25	YES						
L0001291	0	0.79250E-08	473635.4	3753479.8	466.6	3.49	6.51
3.25	YES						
L0001292	0	0.79250E-08	473640.2	3753466.7	467.0	3.49	6.51
3.25	YES						
L0001293	0	0.79250E-08	473644.9	3753453.5	467.0	3.49	6.51
3.25	YES						
L0001294	0	0.79250E-08	473649.7	3753440.4	467.0	3.49	6.51
3.25	YES						
L0001295	0	0.79250E-08	473654.5	3753427.2	467.4	3.49	6.51
3.25	YES						
L0001296	0	0.79250E-08	473659.3	3753414.0	467.8	3.49	6.51
3.25	YES						

L0001297	0	0.79250E-08	473664.1	3753400.9	468.0	3.49	6.51
3.25	YES						
L0001298	0	0.79250E-08	473668.9	3753387.7	468.0	3.49	6.51
3.25	YES						
L0001299	0	0.79250E-08	473673.7	3753374.6	468.0	3.49	6.51
3.25	YES						
L0001300	0	0.79250E-08	473678.4	3753361.4	468.0	3.49	6.51
3.25	YES						
L0001301	0	0.79250E-08	473683.2	3753348.2	468.0	3.49	6.51
3.25	YES						
L0001302	0	0.79250E-08	473687.9	3753335.1	468.0	3.49	6.51
3.25	YES						

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

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

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.			(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY						

L0001303	0	0.79250E-08	473692.7	3753321.9	468.0	3.49	6.51
3.25	YES						
L0001304	0	0.79250E-08	473697.4	3753308.7	468.0	3.49	6.51
3.25	YES						
L0001305	0	0.79250E-08	473702.1	3753295.5	468.0	3.49	6.51
3.25	YES						
L0001306	0	0.79250E-08	473706.9	3753282.4	468.1	3.49	6.51
3.25	YES						
L0001307	0	0.79250E-08	473711.6	3753269.2	468.6	3.49	6.51
3.25	YES						
L0001308	0	0.79250E-08	473716.4	3753256.0	469.0	3.49	6.51
3.25	YES						
L0001309	0	0.79250E-08	473721.1	3753242.9	468.7	3.49	6.51
3.25	YES						
L0001310	0	0.79250E-08	473725.9	3753229.7	468.6	3.49	6.51
3.25	YES						
L0001311	0	0.79250E-08	473730.6	3753216.5	468.7	3.49	6.51
3.25	YES						

L0001312	0	0.79250E-08	473735.3	3753203.3	468.9	3.49	6.51
3.25	YES						
L0001313	0	0.79250E-08	473740.1	3753190.2	469.0	3.49	6.51
3.25	YES						
L0001314	0	0.79250E-08	473744.8	3753177.0	469.0	3.49	6.51
3.25	YES						
L0001315	0	0.79250E-08	473749.6	3753163.8	468.9	3.49	6.51
3.25	YES						
L0001316	0	0.79250E-08	473754.3	3753150.6	468.7	3.49	6.51
3.25	YES						
L0001317	0	0.79250E-08	473759.0	3753137.5	468.7	3.49	6.51
3.25	YES						
L0001318	0	0.79250E-08	473763.8	3753124.3	468.8	3.49	6.51
3.25	YES						
L0001319	0	0.79250E-08	473768.5	3753111.1	469.0	3.49	6.51
3.25	YES						
L0001320	0	0.79250E-08	473773.3	3753098.0	468.7	3.49	6.51
3.25	YES						
L0001321	0	0.79250E-08	473778.0	3753084.8	468.3	3.49	6.51
3.25	YES						
L0001322	0	0.79250E-08	473782.8	3753071.6	468.0	3.49	6.51
3.25	YES						
L0001323	0	0.79250E-08	473787.5	3753058.4	468.0	3.49	6.51
3.25	YES						
L0001324	0	0.79250E-08	473792.2	3753045.3	468.0	3.49	6.51
3.25	YES						
L0001325	0	0.79250E-08	473797.0	3753032.1	468.0	3.49	6.51
3.25	YES						
L0001326	0	0.79250E-08	473801.7	3753018.9	468.1	3.49	6.51
3.25	YES						
L0001327	0	0.79250E-08	473806.5	3753005.8	468.2	3.49	6.51
3.25	YES						
L0001328	0	0.79250E-08	473811.2	3752992.6	468.4	3.49	6.51
3.25	YES						
L0001329	0	0.79250E-08	473816.0	3752979.4	468.7	3.49	6.51
3.25	YES						
L0001330	0	0.79250E-08	473820.7	3752966.2	468.9	3.49	6.51
3.25	YES						
L0001331	0	0.79250E-08	473812.7	3752962.1	468.9	3.49	6.51
3.25	YES						
L0001332	0	0.79250E-08	473798.7	3752962.1	468.8	3.49	6.51
3.25	YES						
L0001333	0	0.79250E-08	473784.7	3752962.2	468.4	3.49	6.51
3.25	YES						
L0001334	0	0.79250E-08	473770.7	3752962.3	468.0	3.49	6.51
3.25	YES						
L0001335	0	0.79250E-08	473756.7	3752962.3	468.0	3.49	6.51
3.25	YES						
L0001336	0	0.79250E-08	473742.7	3752962.4	468.0	3.49	6.51
3.25	YES						

L0001337	0	0.79250E-08	473728.7	3752962.5	467.6	3.49	6.51
3.25	YES						
L0001338	0	0.79250E-08	473714.7	3752962.5	467.2	3.49	6.51
3.25	YES						
L0001339	0	0.79250E-08	473700.7	3752962.6	467.0	3.49	6.51
3.25	YES						
L0001340	0	0.79250E-08	473686.7	3752962.6	467.0	3.49	6.51
3.25	YES						
L0001341	0	0.79250E-08	473672.7	3752962.7	467.0	3.49	6.51
3.25	YES						
L0001342	0	0.79250E-08	473658.7	3752962.8	467.0	3.49	6.51
3.25	YES						

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

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

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0001343	0	0.79250E-08	473644.7	3752962.8	467.0	3.49	6.51
3.25	YES						
L0001344	0	0.79250E-08	473630.7	3752962.9	466.9	3.49	6.51
3.25	YES						
L0001345	0	0.79250E-08	473616.7	3752962.9	466.7	3.49	6.51
3.25	YES						
L0001346	0	0.79250E-08	473602.7	3752963.0	466.3	3.49	6.51
3.25	YES						
L0001347	0	0.79250E-08	473588.7	3752963.1	466.0	3.49	6.51
3.25	YES						
L0001348	0	0.79250E-08	473574.7	3752963.1	465.5	3.49	6.51
3.25	YES						
L0001349	0	0.79250E-08	473560.7	3752963.2	465.0	3.49	6.51
3.25	YES						
L0001350	0	0.79250E-08	473546.7	3752963.3	464.6	3.49	6.51
3.25	YES						
L0001351	0	0.79250E-08	473532.7	3752963.3	464.1	3.49	6.51
3.25	YES						

L0001352	0	0.79250E-08	473518.7	3752963.4	463.6	3.49	6.51
3.25	YES						
L0001353	0	0.79250E-08	473504.7	3752963.4	463.2	3.49	6.51
3.25	YES						
L0001354	0	0.79250E-08	473490.7	3752963.5	463.0	3.49	6.51
3.25	YES						
L0001355	0	0.79250E-08	473476.7	3752963.4	463.0	3.49	6.51
3.25	YES						
L0001356	0	0.79250E-08	473462.7	3752963.3	463.2	3.49	6.51
3.25	YES						
L0001357	0	0.79250E-08	473448.7	3752963.3	463.7	3.49	6.51
3.25	YES						
L0001358	0	0.79250E-08	473434.7	3752963.2	464.0	3.49	6.51
3.25	YES						
L0001359	0	0.79250E-08	473420.7	3752963.1	464.0	3.49	6.51
3.25	YES						
L0001360	0	0.79250E-08	473406.7	3752963.0	464.1	3.49	6.51
3.25	YES						
L0001361	0	0.79250E-08	473392.7	3752962.9	464.6	3.49	6.51
3.25	YES						
L0001362	0	0.79250E-08	473378.7	3752962.9	465.0	3.49	6.51
3.25	YES						
L0001363	0	0.79250E-08	473364.7	3752962.8	465.0	3.49	6.51
3.25	YES						
L0001364	0	0.79250E-08	473350.7	3752962.7	465.0	3.49	6.51
3.25	YES						
L0001365	0	0.79250E-08	473336.7	3752962.6	465.0	3.49	6.51
3.25	YES						
L0001366	0	0.79250E-08	473322.7	3752962.5	465.0	3.49	6.51
3.25	YES						
L0001367	0	0.79250E-08	473308.7	3752962.4	464.9	3.49	6.51
3.25	YES						
L0001368	0	0.54420E-08	473619.3	3753525.6	466.0	3.49	4.46
3.25	YES						
L0001369	0	0.54420E-08	473616.0	3753534.7	465.9	3.49	4.46
3.25	YES						
L0001370	0	0.54420E-08	473612.7	3753543.7	465.8	3.49	4.46
3.25	YES						
L0001371	0	0.54420E-08	473609.4	3753552.7	465.7	3.49	4.46
3.25	YES						
L0001372	0	0.54420E-08	473606.1	3753561.7	465.4	3.49	4.46
3.25	YES						
L0001373	0	0.54420E-08	473602.8	3753570.7	465.0	3.49	4.46
3.25	YES						
L0001374	0	0.54420E-08	473599.5	3753579.7	464.6	3.49	4.46
3.25	YES						
L0001375	0	0.54420E-08	473596.2	3753588.7	464.2	3.49	4.46
3.25	YES						
L0001376	0	0.54420E-08	473592.9	3753597.7	464.1	3.49	4.46
3.25	YES						

L0001377	0	0.54420E-08	473589.6	3753606.7	464.0	3.49	4.46
3.25	YES						
L0001378	0	0.54420E-08	473586.4	3753615.7	464.0	3.49	4.46
3.25	YES						
L0001379	0	0.54420E-08	473583.1	3753624.7	464.0	3.49	4.46
3.25	YES						
L0001380	0	0.54420E-08	473579.8	3753633.7	464.0	3.49	4.46
3.25	YES						
L0001381	0	0.54420E-08	473576.5	3753642.8	464.0	3.49	4.46
3.25	YES						
L0001382	0	0.54420E-08	473573.2	3753651.8	463.8	3.49	4.46
3.25	YES						

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

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

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.			(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY						

L0001383	0	0.54420E-08	473569.9	3753660.8	463.5	3.49	4.46
3.25	YES						
L0001384	0	0.54420E-08	473566.6	3753669.8	463.2	3.49	4.46
3.25	YES						
L0001385	0	0.54420E-08	473563.3	3753678.8	463.0	3.49	4.46
3.25	YES						
L0001386	0	0.54420E-08	473560.0	3753687.8	463.0	3.49	4.46
3.25	YES						
L0001387	0	0.54420E-08	473556.8	3753696.8	463.1	3.49	4.46
3.25	YES						
L0001388	0	0.54420E-08	473553.5	3753705.8	463.2	3.49	4.46
3.25	YES						
L0001389	0	0.54420E-08	473550.2	3753714.8	463.3	3.49	4.46
3.25	YES						
L0001390	0	0.54420E-08	473546.9	3753723.8	463.4	3.49	4.46
3.25	YES						
L0001391	0	0.54420E-08	473543.6	3753732.8	463.5	3.49	4.46
3.25	YES						

L0001392	0	0.54420E-08	473540.3	3753741.8	463.6	3.49	4.46
3.25 YES							
L0001393	0	0.54420E-08	473537.0	3753750.9	463.8	3.49	4.46
3.25 YES							
L0001394	0	0.54420E-08	473533.7	3753759.9	463.9	3.49	4.46
3.25 YES							
L0001395	0	0.54420E-08	473530.4	3753768.9	464.0	3.49	4.46
3.25 YES							
L0001396	0	0.54420E-08	473527.1	3753777.9	464.1	3.49	4.46
3.25 YES							
L0001397	0	0.54420E-08	473523.9	3753786.9	464.2	3.49	4.46
3.25 YES							
L0001398	0	0.54420E-08	473520.6	3753795.9	464.3	3.49	4.46
3.25 YES							
L0001399	0	0.54420E-08	473517.3	3753804.9	464.6	3.49	4.46
3.25 YES							
L0001400	0	0.54420E-08	473514.0	3753813.9	464.8	3.49	4.46
3.25 YES							
L0001401	0	0.54420E-08	473510.7	3753822.9	464.9	3.49	4.46
3.25 YES							
L0001402	0	0.54420E-08	473507.4	3753831.9	465.0	3.49	4.46
3.25 YES							
L0001403	0	0.54420E-08	473504.1	3753840.9	465.0	3.49	4.46
3.25 YES							
L0001404	0	0.54420E-08	473500.8	3753849.9	465.0	3.49	4.46
3.25 YES							
L0001405	0	0.54420E-08	473497.5	3753858.9	465.1	3.49	4.46
3.25 YES							
L0001406	0	0.54420E-08	473494.2	3753868.0	465.1	3.49	4.46
3.25 YES							
L0001407	0	0.54420E-08	473491.0	3753877.0	465.1	3.49	4.46
3.25 YES							
L0001408	0	0.54420E-08	473487.7	3753886.0	465.0	3.49	4.46
3.25 YES							
L0001409	0	0.54420E-08	473484.4	3753895.0	465.3	3.49	4.46
3.25 YES							
L0001410	0	0.54420E-08	473481.1	3753904.0	465.6	3.49	4.46
3.25 YES							
L0001411	0	0.54420E-08	473477.8	3753913.0	465.9	3.49	4.46
3.25 YES							
L0001412	0	0.54420E-08	473474.5	3753922.0	466.0	3.49	4.46
3.25 YES							
L0001413	0	0.54420E-08	473471.2	3753931.0	466.0	3.49	4.46
3.25 YES							
L0001414	0	0.54420E-08	473467.9	3753940.0	466.1	3.49	4.46
3.25 YES							
L0001415	0	0.54420E-08	473464.6	3753949.0	466.2	3.49	4.46
3.25 YES							
L0001416	0	0.54420E-08	473461.4	3753958.0	466.6	3.49	4.46
3.25 YES							

L0001417	0	0.54420E-08	473458.1	3753967.0	466.8	3.49	4.46
3.25	YES						
L0001418	0	0.54420E-08	473454.8	3753976.1	467.0	3.49	4.46
3.25	YES						
L0001419	0	0.54420E-08	473451.5	3753985.1	467.2	3.49	4.46
3.25	YES						
L0001420	0	0.54420E-08	473448.2	3753994.1	467.4	3.49	4.46
3.25	YES						
L0001421	0	0.54420E-08	473444.9	3754003.1	467.7	3.49	4.46
3.25	YES						
L0001422	0	0.54420E-08	473441.6	3754012.1	467.9	3.49	4.46
3.25	YES						

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

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

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE	SOURCE	EMISSION	PART.	(GRAMS/SEC)	X	ELEV.	HEIGHT	SY
SZ	SCALAR	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)
ID	CATS.	BY			(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0001423	0	0.54420E-08	473438.3	3754021.1	468.0	3.49	4.46
3.25	YES						
L0001424	0	0.54420E-08	473435.0	3754030.1	468.0	3.49	4.46
3.25	YES						
L0001425	0	0.54420E-08	473431.7	3754039.1	468.1	3.49	4.46
3.25	YES						
L0001426	0	0.54420E-08	473428.5	3754048.1	468.2	3.49	4.46
3.25	YES						
L0001427	0	0.54420E-08	473425.2	3754057.1	468.4	3.49	4.46
3.25	YES						
L0001428	0	0.54420E-08	473421.9	3754066.1	468.4	3.49	4.46
3.25	YES						
L0001429	0	0.54420E-08	473418.6	3754075.1	468.5	3.49	4.46
3.25	YES						
L0001430	0	0.54420E-08	473415.3	3754084.2	468.7	3.49	4.46
3.25	YES						
L0001431	0	0.54420E-08	473412.0	3754093.2	468.9	3.49	4.46
3.25	YES						



L0001432	0	0.54420E-08	473408.7	3754102.2	469.0	3.49	4.46
3.25	YES						
L0001433	0	0.54420E-08	473405.4	3754111.2	469.0	3.49	4.46
3.25	YES						
L0001434	0	0.54420E-08	473402.1	3754120.2	469.0	3.49	4.46
3.25	YES						
L0001435	0	0.54420E-08	473398.8	3754129.2	469.0	3.49	4.46
3.25	YES						
L0001436	0	0.54420E-08	473395.6	3754138.2	469.0	3.49	4.46
3.25	YES						
L0001437	0	0.54420E-08	473392.3	3754147.2	469.0	3.49	4.46
3.25	YES						
L0001438	0	0.54420E-08	473389.0	3754156.2	469.0	3.49	4.46
3.25	YES						
L0001439	0	0.54420E-08	473385.7	3754165.2	469.0	3.49	4.46
3.25	YES						
L0001440	0	0.54420E-08	473382.4	3754174.2	469.0	3.49	4.46
3.25	YES						
L0001441	0	0.54420E-08	473379.1	3754183.2	469.0	3.49	4.46
3.25	YES						
L0001442	0	0.54420E-08	473377.8	3754192.7	469.2	3.49	4.46
3.25	YES						
L0001443	0	0.54420E-08	473377.1	3754202.2	469.5	3.49	4.46
3.25	YES						
L0001444	0	0.54420E-08	473376.3	3754211.8	469.8	3.49	4.46
3.25	YES						
L0001445	0	0.54420E-08	473375.6	3754221.4	469.9	3.49	4.46
3.25	YES						
L0001446	0	0.54420E-08	473374.9	3754230.9	469.9	3.49	4.46
3.25	YES						
L0001447	0	0.54420E-08	473374.2	3754240.5	470.0	3.49	4.46
3.25	YES						
L0001448	0	0.54420E-08	473373.5	3754250.0	470.0	3.49	4.46
3.25	YES						
L0001449	0	0.54420E-08	473372.7	3754259.6	470.0	3.49	4.46
3.25	YES						
L0001450	0	0.54420E-08	473372.9	3754269.1	470.0	3.49	4.46
3.25	YES						
L0001451	0	0.54420E-08	473374.6	3754278.6	470.0	3.49	4.46
3.25	YES						
L0001452	0	0.54420E-08	473376.3	3754288.0	470.0	3.49	4.46
3.25	YES						
L0001453	0	0.54420E-08	473377.9	3754297.5	470.0	3.49	4.46
3.25	YES						
L0001454	0	0.54420E-08	473379.6	3754306.9	470.0	3.49	4.46
3.25	YES						
L0001455	0	0.54420E-08	473381.3	3754316.3	470.0	3.49	4.46
3.25	YES						
L0001456	0	0.54420E-08	473383.0	3754325.8	470.0	3.49	4.46
3.25	YES						

L0001457	0	0.54420E-08	473384.7	3754335.2	470.0	3.49	4.46
3.25	YES						
L0001458	0	0.54420E-08	473386.3	3754344.7	470.0	3.49	4.46
3.25	YES						
L0001459	0	0.54420E-08	473390.1	3754353.3	470.0	3.49	4.46
3.25	YES						
L0001460	0	0.54420E-08	473395.3	3754361.3	470.0	3.49	4.46
3.25	YES						
L0001461	0	0.54420E-08	473400.6	3754369.4	470.0	3.49	4.46
3.25	YES						
L0001462	0	0.54420E-08	473405.8	3754377.4	470.0	3.49	4.46
3.25	YES						

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

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

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.			(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY						

L0001463	0	0.54420E-08	473411.0	3754385.5	470.0	3.49	4.46
3.25	YES						
L0001464	0	0.54420E-08	473416.2	3754393.5	470.2	3.49	4.46
3.25	YES						
L0001465	0	0.54420E-08	473423.0	3754399.8	470.5	3.49	4.46
3.25	YES						
L0001466	0	0.54420E-08	473431.6	3754404.1	470.8	3.49	4.46
3.25	YES						
L0001467	0	0.54420E-08	473440.2	3754408.3	471.0	3.49	4.46
3.25	YES						
L0001468	0	0.54420E-08	473448.8	3754412.5	471.0	3.49	4.46
3.25	YES						
L0001469	0	0.54420E-08	473457.4	3754416.8	471.0	3.49	4.46
3.25	YES						
L0001470	0	0.54420E-08	473466.2	3754420.5	471.0	3.49	4.46
3.25	YES						
L0001471	0	0.54420E-08	473475.4	3754423.3	471.0	3.49	4.46
3.25	YES						

L0001472	0	0.54420E-08	473484.5	3754426.1	471.0	3.49	4.46
3.25	YES						
L0001473	0	0.54420E-08	473493.7	3754429.0	471.0	3.49	4.46
3.25	YES						
L0001474	0	0.54420E-08	473502.8	3754431.8	470.9	3.49	4.46
3.25	YES						
L0001475	0	0.54420E-08	473512.0	3754434.7	470.7	3.49	4.46
3.25	YES						
L0001476	0	0.54420E-08	473521.1	3754437.6	470.6	3.49	4.46
3.25	YES						
L0001477	0	0.54420E-08	473529.0	3754443.0	470.6	3.49	4.46
3.25	YES						
L0001478	0	0.54420E-08	473537.0	3754448.4	470.7	3.49	4.46
3.25	YES						
L0001479	0	0.54420E-08	473544.9	3754453.8	470.9	3.49	4.46
3.25	YES						
L0001480	0	0.54420E-08	473552.8	3754459.2	471.1	3.49	4.46
3.25	YES						
L0001481	0	0.54420E-08	473560.5	3754464.8	471.2	3.49	4.46
3.25	YES						
L0001482	0	0.54420E-08	473565.4	3754473.0	471.4	3.49	4.46
3.25	YES						
L0001483	0	0.54420E-08	473570.3	3754481.3	471.5	3.49	4.46
3.25	YES						
L0001484	0	0.54420E-08	473575.2	3754489.5	471.5	3.49	4.46
3.25	YES						
L0001485	0	0.54420E-08	473580.2	3754497.8	471.6	3.49	4.46
3.25	YES						
L0001486	0	0.54420E-08	473582.6	3754507.0	471.8	3.49	4.46
3.25	YES						
L0001487	0	0.54420E-08	473584.7	3754516.3	472.0	3.49	4.46
3.25	YES						
L0001488	0	0.54420E-08	473586.8	3754525.7	472.0	3.49	4.46
3.25	YES						
L0001489	0	0.54420E-08	473588.9	3754535.0	472.0	3.49	4.46
3.25	YES						
L0001490	0	0.54420E-08	473589.9	3754544.5	472.0	3.49	4.46
3.25	YES						
L0001491	0	0.54420E-08	473590.5	3754554.1	472.0	3.49	4.46
3.25	YES						
L0001492	0	0.54420E-08	473591.1	3754563.7	472.0	3.49	4.46
3.25	YES						
L0001493	0	0.54420E-08	473591.7	3754573.3	472.1	3.49	4.46
3.25	YES						
L0001494	0	0.54420E-08	473590.4	3754581.1	472.0	3.49	4.46
3.25	YES						
L0001495	0	0.54420E-08	473580.8	3754581.2	472.0	3.49	4.46
3.25	YES						
L0001496	0	0.54420E-08	473571.2	3754581.3	472.0	3.49	4.46
3.25	YES						

L0001497	0	0.54420E-08	473561.6	3754581.3	472.0	3.49	4.46
3.25 YES							
L0001498	0	0.54420E-08	473552.0	3754581.4	472.0	3.49	4.46
3.25 YES							
L0001499	0	0.54420E-08	473542.4	3754581.5	472.0	3.49	4.46
3.25 YES							
L0001500	0	0.54420E-08	473532.8	3754581.6	472.0	3.49	4.46
3.25 YES							
L0001501	0	0.54420E-08	473523.2	3754581.7	472.0	3.49	4.46
3.25 YES							
L0001502	0	0.54420E-08	473513.7	3754581.8	472.0	3.49	4.46
3.25 YES							

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

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

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE	SOURCE	EMISSION	PART.	(GRAMS/SEC)	X	ELEV.	HEIGHT	SY
SZ	ID	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					

L0001503	0	0.54420E-08	473504.1	3754581.9	472.0	3.49	4.46
3.25 YES							
L0001504	0	0.54420E-08	473494.5	3754582.0	471.8	3.49	4.46
3.25 YES							
L0001505	0	0.54420E-08	473484.9	3754582.1	471.5	3.49	4.46
3.25 YES							
L0001506	0	0.54420E-08	473475.3	3754582.2	471.2	3.49	4.46
3.25 YES							
L0001507	0	0.54420E-08	473465.7	3754582.3	471.0	3.49	4.46
3.25 YES							
L0001508	0	0.54420E-08	473456.1	3754582.4	471.0	3.49	4.46
3.25 YES							
L0001509	0	0.54420E-08	473446.5	3754582.5	471.0	3.49	4.46
3.25 YES							
L0001510	0	0.54420E-08	473436.9	3754582.6	471.0	3.49	4.46
3.25 YES							
L0001511	0	0.54420E-08	473427.3	3754582.7	471.0	3.49	4.46
3.25 YES							

L0001512	0	0.54420E-08	473417.8	3754582.8	471.0	3.49	4.46
3.25 YES							
L0001513	0	0.54420E-08	473408.2	3754582.9	470.9	3.49	4.46
3.25 YES							
L0001514	0	0.54420E-08	473398.6	3754583.0	470.6	3.49	4.46
3.25 YES							
L0001515	0	0.54420E-08	473389.0	3754583.1	470.3	3.49	4.46
3.25 YES							
L0001516	0	0.54420E-08	473379.4	3754583.2	470.0	3.49	4.46
3.25 YES							
L0001517	0	0.54420E-08	473369.8	3754583.3	470.0	3.49	4.46
3.25 YES							
L0001518	0	0.54420E-08	473360.2	3754583.4	470.0	3.49	4.46
3.25 YES							
L0001519	0	0.54420E-08	473350.6	3754583.5	470.0	3.49	4.46
3.25 YES							
L0001520	0	0.54420E-08	473341.0	3754583.5	470.0	3.49	4.46
3.25 YES							
L0001521	0	0.54420E-08	473331.5	3754583.6	470.0	3.49	4.46
3.25 YES							
L0001522	0	0.54420E-08	473321.9	3754583.7	470.0	3.49	4.46
3.25 YES							
L0001523	0	0.54420E-08	473312.3	3754583.8	470.0	3.49	4.46
3.25 YES							
L0001524	0	0.54420E-08	473302.7	3754583.9	470.0	3.49	4.46
3.25 YES							
L0001525	0	0.54420E-08	473293.1	3754584.0	470.0	3.49	4.46
3.25 YES							
L0001526	0	0.54420E-08	473283.5	3754584.1	470.0	3.49	4.46
3.25 YES							
L0001527	0	0.54420E-08	473273.9	3754584.2	470.0	3.49	4.46
3.25 YES							
L0001528	0	0.54420E-08	473264.3	3754584.3	470.0	3.49	4.46
3.25 YES							
L0001529	0	0.54420E-08	473254.7	3754584.4	469.8	3.49	4.46
3.25 YES							
L0001530	0	0.54420E-08	473245.1	3754584.5	469.5	3.49	4.46
3.25 YES							
L0001531	0	0.54420E-08	473235.6	3754584.6	469.2	3.49	4.46
3.25 YES							
L0001532	0	0.54420E-08	473226.0	3754584.7	469.0	3.49	4.46
3.25 YES							
L0001533	0	0.54420E-08	473216.4	3754584.8	469.0	3.49	4.46
3.25 YES							
L0001534	0	0.54420E-08	473206.8	3754584.9	469.0	3.49	4.46
3.25 YES							
L0001535	0	0.54420E-08	473197.2	3754585.0	469.0	3.49	4.46
3.25 YES							
L0001536	0	0.54450E-08	473576.5	3753642.3	464.0	3.49	4.46
3.25 YES							

L0001537	0	0.54450E-08	473573.2	3753651.3	463.8	3.49	4.46
3.25	YES						
L0001538	0	0.54450E-08	473570.0	3753660.3	463.5	3.49	4.46
3.25	YES						
L0001539	0	0.54450E-08	473566.7	3753669.3	463.2	3.49	4.46
3.25	YES						
L0001540	0	0.54450E-08	473563.4	3753678.3	463.0	3.49	4.46
3.25	YES						
L0001541	0	0.54450E-08	473560.1	3753687.3	463.0	3.49	4.46
3.25	YES						
L0001542	0	0.54450E-08	473556.8	3753696.3	463.1	3.49	4.46
3.25	YES						

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

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

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.			(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY						

L0001543	0	0.54450E-08	473553.5	3753705.4	463.2	3.49	4.46
3.25	YES						
L0001544	0	0.54450E-08	473550.2	3753714.4	463.3	3.49	4.46
3.25	YES						
L0001545	0	0.54450E-08	473546.9	3753723.4	463.4	3.49	4.46
3.25	YES						
L0001546	0	0.54450E-08	473543.7	3753732.4	463.5	3.49	4.46
3.25	YES						
L0001547	0	0.54450E-08	473540.4	3753741.4	463.6	3.49	4.46
3.25	YES						
L0001548	0	0.54450E-08	473537.1	3753750.4	463.8	3.49	4.46
3.25	YES						
L0001549	0	0.54450E-08	473533.8	3753759.4	463.9	3.49	4.46
3.25	YES						
L0001550	0	0.54450E-08	473530.5	3753768.4	464.0	3.49	4.46
3.25	YES						
L0001551	0	0.54450E-08	473527.2	3753777.4	464.1	3.49	4.46
3.25	YES						

L0001552	0	0.54450E-08	473523.9	3753786.4	464.2	3.49	4.46
3.25	YES						
L0001553	0	0.54450E-08	473520.6	3753795.4	464.3	3.49	4.46
3.25	YES						
L0001554	0	0.54450E-08	473517.4	3753804.4	464.6	3.49	4.46
3.25	YES						
L0001555	0	0.54450E-08	473514.1	3753813.5	464.8	3.49	4.46
3.25	YES						
L0001556	0	0.54450E-08	473510.8	3753822.5	464.9	3.49	4.46
3.25	YES						
L0001557	0	0.54450E-08	473507.5	3753831.5	465.0	3.49	4.46
3.25	YES						
L0001558	0	0.54450E-08	473504.2	3753840.5	465.0	3.49	4.46
3.25	YES						
L0001559	0	0.54450E-08	473500.9	3753849.5	465.0	3.49	4.46
3.25	YES						
L0001560	0	0.54450E-08	473497.6	3753858.5	465.1	3.49	4.46
3.25	YES						
L0001561	0	0.54450E-08	473494.3	3753867.5	465.1	3.49	4.46
3.25	YES						
L0001562	0	0.54450E-08	473491.0	3753876.5	465.1	3.49	4.46
3.25	YES						
L0001563	0	0.54450E-08	473487.8	3753885.5	465.0	3.49	4.46
3.25	YES						
L0001564	0	0.54450E-08	473484.5	3753894.5	465.3	3.49	4.46
3.25	YES						
L0001565	0	0.54450E-08	473481.2	3753903.5	465.6	3.49	4.46
3.25	YES						
L0001566	0	0.54450E-08	473477.9	3753912.6	465.9	3.49	4.46
3.25	YES						
L0001567	0	0.54450E-08	473474.6	3753921.6	466.0	3.49	4.46
3.25	YES						
L0001568	0	0.54450E-08	473471.3	3753930.6	466.0	3.49	4.46
3.25	YES						
L0001569	0	0.54450E-08	473468.0	3753939.6	466.1	3.49	4.46
3.25	YES						
L0001570	0	0.54450E-08	473464.7	3753948.6	466.2	3.49	4.46
3.25	YES						
L0001571	0	0.54450E-08	473461.5	3753957.6	466.5	3.49	4.46
3.25	YES						
L0001572	0	0.54450E-08	473458.2	3753966.6	466.8	3.49	4.46
3.25	YES						
L0001573	0	0.54450E-08	473454.9	3753975.6	467.0	3.49	4.46
3.25	YES						
L0001574	0	0.54450E-08	473451.6	3753984.6	467.2	3.49	4.46
3.25	YES						
L0001575	0	0.54450E-08	473448.3	3753993.6	467.4	3.49	4.46
3.25	YES						
L0001576	0	0.54450E-08	473445.0	3754002.6	467.7	3.49	4.46
3.25	YES						

L0001577	0	0.54450E-08	473441.7	3754011.7	467.9	3.49	4.46
3.25	YES						
L0001578	0	0.54450E-08	473438.4	3754020.7	468.0	3.49	4.46
3.25	YES						
L0001579	0	0.54450E-08	473435.2	3754029.7	468.0	3.49	4.46
3.25	YES						
L0001580	0	0.54450E-08	473431.9	3754038.7	468.1	3.49	4.46
3.25	YES						
L0001581	0	0.54450E-08	473428.6	3754047.7	468.2	3.49	4.46
3.25	YES						
L0001582	0	0.54450E-08	473425.3	3754056.7	468.4	3.49	4.46
3.25	YES						

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

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

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.			(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY						

L0001583	0	0.54450E-08	473422.0	3754065.7	468.4	3.49	4.46
3.25	YES						
L0001584	0	0.54450E-08	473418.7	3754074.7	468.5	3.49	4.46
3.25	YES						
L0001585	0	0.54450E-08	473415.4	3754083.7	468.7	3.49	4.46
3.25	YES						
L0001586	0	0.54450E-08	473412.1	3754092.7	468.9	3.49	4.46
3.25	YES						
L0001587	0	0.54450E-08	473408.9	3754101.7	469.0	3.49	4.46
3.25	YES						
L0001588	0	0.54450E-08	473405.6	3754110.7	469.0	3.49	4.46
3.25	YES						
L0001589	0	0.54450E-08	473402.3	3754119.8	469.0	3.49	4.46
3.25	YES						
L0001590	0	0.54450E-08	473399.0	3754128.8	469.0	3.49	4.46
3.25	YES						
L0001591	0	0.54450E-08	473395.7	3754137.8	469.0	3.49	4.46
3.25	YES						



L0001592	0	0.54450E-08	473392.4	3754146.8	469.0	3.49	4.46
3.25	YES						
L0001593	0	0.54450E-08	473389.1	3754155.8	469.0	3.49	4.46
3.25	YES						
L0001594	0	0.54450E-08	473385.8	3754164.8	469.0	3.49	4.46
3.25	YES						
L0001595	0	0.54450E-08	473382.5	3754173.8	469.0	3.49	4.46
3.25	YES						
L0001596	0	0.54450E-08	473379.3	3754182.8	469.0	3.49	4.46
3.25	YES						
L0001597	0	0.54450E-08	473377.8	3754192.2	469.2	3.49	4.46
3.25	YES						
L0001598	0	0.54450E-08	473377.1	3754201.8	469.5	3.49	4.46
3.25	YES						
L0001599	0	0.54450E-08	473376.4	3754211.3	469.7	3.49	4.46
3.25	YES						
L0001600	0	0.54450E-08	473375.7	3754220.9	469.9	3.49	4.46
3.25	YES						
L0001601	0	0.54450E-08	473374.9	3754230.5	469.9	3.49	4.46
3.25	YES						
L0001602	0	0.54450E-08	473374.2	3754240.0	470.0	3.49	4.46
3.25	YES						
L0001603	0	0.54450E-08	473373.5	3754249.6	470.0	3.49	4.46
3.25	YES						
L0001604	0	0.54450E-08	473372.8	3754259.2	470.0	3.49	4.46
3.25	YES						
L0001605	0	0.54450E-08	473372.8	3754268.7	470.0	3.49	4.46
3.25	YES						
L0001606	0	0.54450E-08	473374.5	3754278.1	470.0	3.49	4.46
3.25	YES						
L0001607	0	0.54450E-08	473376.2	3754287.6	470.0	3.49	4.46
3.25	YES						
L0001608	0	0.54450E-08	473377.9	3754297.0	470.0	3.49	4.46
3.25	YES						
L0001609	0	0.54450E-08	473379.5	3754306.5	470.0	3.49	4.46
3.25	YES						
L0001610	0	0.54450E-08	473381.2	3754315.9	470.0	3.49	4.46
3.25	YES						
L0001611	0	0.54450E-08	473382.9	3754325.3	470.0	3.49	4.46
3.25	YES						
L0001612	0	0.54450E-08	473384.6	3754334.8	470.0	3.49	4.46
3.25	YES						
L0001613	0	0.54450E-08	473386.2	3754344.2	470.0	3.49	4.46
3.25	YES						
L0001614	0	0.54450E-08	473389.9	3754352.9	470.0	3.49	4.46
3.25	YES						
L0001615	0	0.54450E-08	473395.1	3754360.9	470.0	3.49	4.46
3.25	YES						
L0001616	0	0.54450E-08	473400.3	3754369.0	470.0	3.49	4.46
3.25	YES						

L0001617	0	0.54450E-08	473405.5	3754377.0	470.0	3.49	4.46
3.25	YES						
L0001618	0	0.54450E-08	473410.7	3754385.1	470.0	3.49	4.46
3.25	YES						
L0001619	0	0.54450E-08	473416.0	3754393.1	470.2	3.49	4.46
3.25	YES						
L0001620	0	0.54450E-08	473422.5	3754399.6	470.5	3.49	4.46
3.25	YES						
L0001621	0	0.54450E-08	473431.2	3754403.9	470.8	3.49	4.46
3.25	YES						
L0001622	0	0.54450E-08	473439.8	3754408.1	471.0	3.49	4.46
3.25	YES						

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

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

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.			(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY						

L0001623	0	0.54450E-08	473448.4	3754412.3	471.0	3.49	4.46
3.25	YES						
L0001624	0	0.54450E-08	473457.0	3754416.6	471.0	3.49	4.46
3.25	YES						
L0001625	0	0.54450E-08	473465.8	3754420.3	471.0	3.49	4.46
3.25	YES						
L0001626	0	0.54450E-08	473474.9	3754423.2	471.0	3.49	4.46
3.25	YES						
L0001627	0	0.54450E-08	473484.1	3754426.0	471.0	3.49	4.46
3.25	YES						
L0001628	0	0.54450E-08	473493.2	3754428.9	471.0	3.49	4.46
3.25	YES						
L0001629	0	0.54450E-08	473502.4	3754431.7	470.9	3.49	4.46
3.25	YES						
L0001630	0	0.54450E-08	473511.6	3754434.5	470.7	3.49	4.46
3.25	YES						
L0001631	0	0.54450E-08	473520.7	3754437.4	470.6	3.49	4.46
3.25	YES						

L0001632	0	0.54450E-08	473528.6	3754442.8	470.6	3.49	4.46
3.25	YES						
L0001633	0	0.54450E-08	473536.6	3754448.2	470.7	3.49	4.46
3.25	YES						
L0001634	0	0.54450E-08	473544.5	3754453.5	470.9	3.49	4.46
3.25	YES						
L0001635	0	0.54450E-08	473552.5	3754458.9	471.1	3.49	4.46
3.25	YES						
L0001636	0	0.54450E-08	473560.3	3754464.4	471.2	3.49	4.46
3.25	YES						
L0001637	0	0.54450E-08	473565.2	3754472.7	471.4	3.49	4.46
3.25	YES						
L0001638	0	0.54450E-08	473570.1	3754480.9	471.5	3.49	4.46
3.25	YES						
L0001639	0	0.54450E-08	473575.0	3754489.1	471.5	3.49	4.46
3.25	YES						
L0001640	0	0.54450E-08	473579.9	3754497.4	471.6	3.49	4.46
3.25	YES						
L0001641	0	0.54450E-08	473582.5	3754506.5	471.7	3.49	4.46
3.25	YES						
L0001642	0	0.54450E-08	473584.6	3754515.9	472.0	3.49	4.46
3.25	YES						
L0001643	0	0.54450E-08	473586.7	3754525.2	472.0	3.49	4.46
3.25	YES						
L0001644	0	0.54450E-08	473588.8	3754534.6	472.0	3.49	4.46
3.25	YES						
L0001645	0	0.54450E-08	473589.9	3754544.1	472.0	3.49	4.46
3.25	YES						
L0001646	0	0.54450E-08	473590.5	3754553.7	472.0	3.49	4.46
3.25	YES						
L0001647	0	0.54450E-08	473591.1	3754563.2	472.0	3.49	4.46
3.25	YES						
L0001648	0	0.54450E-08	473591.7	3754572.8	472.1	3.49	4.46
3.25	YES						
L0001649	0	0.54450E-08	473590.8	3754581.1	472.0	3.49	4.46
3.25	YES						
L0001650	0	0.54450E-08	473581.2	3754581.2	472.0	3.49	4.46
3.25	YES						
L0001651	0	0.54450E-08	473571.6	3754581.2	472.0	3.49	4.46
3.25	YES						
L0001652	0	0.54450E-08	473562.0	3754581.3	472.0	3.49	4.46
3.25	YES						
L0001653	0	0.54450E-08	473552.5	3754581.4	472.0	3.49	4.46
3.25	YES						
L0001654	0	0.54450E-08	473542.9	3754581.5	472.0	3.49	4.46
3.25	YES						
L0001655	0	0.54450E-08	473533.3	3754581.6	472.0	3.49	4.46
3.25	YES						
L0001656	0	0.54450E-08	473523.7	3754581.7	472.0	3.49	4.46
3.25	YES						

L0001657	0	0.54450E-08	473514.1	3754581.8	472.0	3.49	4.46
3.25	YES						
L0001658	0	0.54450E-08	473504.5	3754581.9	472.0	3.49	4.46
3.25	YES						
L0001659	0	0.54450E-08	473494.9	3754582.0	471.8	3.49	4.46
3.25	YES						
L0001660	0	0.54450E-08	473485.3	3754582.1	471.5	3.49	4.46
3.25	YES						
L0001661	0	0.54450E-08	473475.7	3754582.2	471.2	3.49	4.46
3.25	YES						
L0001662	0	0.54450E-08	473466.2	3754582.3	471.0	3.49	4.46
3.25	YES						

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

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

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.			(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY						

L0001663	0	0.54450E-08	473456.6	3754582.4	471.0	3.49	4.46
3.25	YES						
L0001664	0	0.54450E-08	473447.0	3754582.5	471.0	3.49	4.46
3.25	YES						
L0001665	0	0.54450E-08	473437.4	3754582.6	471.0	3.49	4.46
3.25	YES						
L0001666	0	0.54450E-08	473427.8	3754582.7	471.0	3.49	4.46
3.25	YES						
L0001667	0	0.54450E-08	473418.2	3754582.8	471.0	3.49	4.46
3.25	YES						
L0001668	0	0.54450E-08	473408.6	3754582.9	471.0	3.49	4.46
3.25	YES						
L0001669	0	0.54450E-08	473399.0	3754583.0	470.7	3.49	4.46
3.25	YES						
L0001670	0	0.54450E-08	473389.4	3754583.1	470.3	3.49	4.46
3.25	YES						
L0001671	0	0.54450E-08	473379.8	3754583.2	470.0	3.49	4.46
3.25	YES						

L0001672	0	0.54450E-08	473370.3	3754583.3	470.0	3.49	4.46
3.25	YES						
L0001673	0	0.54450E-08	473360.7	3754583.4	470.0	3.49	4.46
3.25	YES						
L0001674	0	0.54450E-08	473351.1	3754583.4	470.0	3.49	4.46
3.25	YES						
L0001675	0	0.54450E-08	473341.5	3754583.5	470.0	3.49	4.46
3.25	YES						
L0001676	0	0.54450E-08	473331.9	3754583.6	470.0	3.49	4.46
3.25	YES						
L0001677	0	0.54450E-08	473322.3	3754583.7	470.0	3.49	4.46
3.25	YES						
L0001678	0	0.54450E-08	473312.7	3754583.8	470.0	3.49	4.46
3.25	YES						
L0001679	0	0.54450E-08	473303.1	3754583.9	470.0	3.49	4.46
3.25	YES						
L0001680	0	0.54450E-08	473293.5	3754584.0	470.0	3.49	4.46
3.25	YES						
L0001681	0	0.54450E-08	473284.0	3754584.1	470.0	3.49	4.46
3.25	YES						
L0001682	0	0.54450E-08	473274.4	3754584.2	470.0	3.49	4.46
3.25	YES						
L0001683	0	0.54450E-08	473264.8	3754584.3	470.0	3.49	4.46
3.25	YES						
L0001684	0	0.54450E-08	473255.2	3754584.4	469.9	3.49	4.46
3.25	YES						
L0001685	0	0.54450E-08	473245.6	3754584.5	469.5	3.49	4.46
3.25	YES						
L0001686	0	0.54450E-08	473236.0	3754584.6	469.2	3.49	4.46
3.25	YES						
L0001687	0	0.54450E-08	473226.4	3754584.7	469.0	3.49	4.46
3.25	YES						
L0001688	0	0.54450E-08	473216.8	3754584.8	469.0	3.49	4.46
3.25	YES						
L0001689	0	0.54450E-08	473207.2	3754584.9	469.0	3.49	4.46
3.25	YES						
L0001690	0	0.54450E-08	473197.6	3754585.0	469.0	3.49	4.46
3.25	YES						

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

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

SRCGROUP ID

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SOURCE IDs

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ALL	L0000146	,	L0000147	,	L0000148	,	L0000149	,	L0000150	,
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L0000159	,	L0000160	,	L0000161	,					
	L0000162	,	L0000163	,	L0000164	,	L0000165	,	L0000166	,
L0000167	,	L0000168	,	L0000169	,					
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	L0000178	,	L0000179	,	L0000180	,	L0000181	,	L0000182	,
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	L0000186	,	L0000187	,	L0000188	,	L0000189	,	L0000190	,
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L0000199	,	L0000200	,	L0000201	,					
	L0001199	,	L0001200	,	L0001201	,	L0001202	,	L0001203	,
L0001204	,	L0001205	,	L0001206	,					
	L0001207	,	L0001208	,	L0001209	,	L0001210	,	L0001211	,
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	L0001215	,	L0001216	,	L0001217	,	L0001218	,	L0001219	,
L0001220	,	L0001221	,	L0001222	,					
	L0001223	,	L0001224	,	L0001225	,	L0001226	,	L0001227	,
L0001228	,	L0001229	,	L0001230	,					
	L0001231	,	L0001232	,	L0001233	,	L0001234	,	L0001235	,
L0001236	,	L0001237	,	L0001238	,					
	L0001239	,	L0001240	,	L0001241	,	L0001242	,	L0001243	,
L0001244	,	L0001245	,	L0001246	,					
	L0001247	,	L0001248	,	L0001249	,	L0001250	,	L0001251	,
L0001252	,	L0001253	,	L0001254	,					
	L0001255	,	L0001256	,	L0001257	,	L0001258	,	L0001259	,
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      L0001271 , L0001272 , L0001273 , L0001274 , L0001275 ,
L0001276 , L0001277 , L0001278 ,
      L0001279 , L0001280 , L0001281 , L0001282 , L0001283 ,
L0001284 , L0001285 , L0001286 ,
      L0001287 , L0001288 , L0001289 , L0001290 , L0001291 ,
L0001292 , L0001293 , L0001294 ,
      L0001295 , L0001296 , L0001297 , L0001298 , L0001299 ,
L0001300 , L0001301 , L0001302 ,
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*** AERMET - VERSION 16216 *** ***
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

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SRCGROUP ID	SOURCE IDs
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L0001308	L0001303 , L0001304 , L0001305 , L0001306 , L0001307 , L0001308 , L0001309 , L0001310 ,
L0001316	L0001311 , L0001312 , L0001313 , L0001314 , L0001315 , L0001316 , L0001317 , L0001318 ,
L0001324	L0001319 , L0001320 , L0001321 , L0001322 , L0001323 , L0001324 , L0001325 , L0001326 ,
L0001332	L0001327 , L0001328 , L0001329 , L0001330 , L0001331 , L0001332 , L0001333 , L0001334 ,
L0001340	L0001335 , L0001336 , L0001337 , L0001338 , L0001339 , L0001340 , L0001341 , L0001342 ,
L0001348	L0001343 , L0001344 , L0001345 , L0001346 , L0001347 , L0001348 , L0001349 , L0001350 ,
L0001356	L0001351 , L0001352 , L0001353 , L0001354 , L0001355 , L0001356 , L0001357 , L0001358 ,

L0001364      L0001359      , L0001360      , L0001361      , L0001362      , L0001363      ,  
                  , L0001365      , L0001366      ,  
  
 L0001372      L0001367      , L0001368      , L0001369      , L0001370      , L0001371      ,  
                  , L0001373      , L0001374      ,  
  
 L0001380      L0001375      , L0001376      , L0001377      , L0001378      , L0001379      ,  
                  , L0001381      , L0001382      ,  
  
 L0001388      L0001383      , L0001384      , L0001385      , L0001386      , L0001387      ,  
                  , L0001389      , L0001390      ,  
  
 L0001396      L0001391      , L0001392      , L0001393      , L0001394      , L0001395      ,  
                  , L0001397      , L0001398      ,  
  
 L0001404      L0001399      , L0001400      , L0001401      , L0001402      , L0001403      ,  
                  , L0001405      , L0001406      ,  
  
 L0001412      L0001407      , L0001408      , L0001409      , L0001410      , L0001411      ,  
                  , L0001413      , L0001414      ,  
  
 L0001420      L0001415      , L0001416      , L0001417      , L0001418      , L0001419      ,  
                  , L0001421      , L0001422      ,  
  
 L0001428      L0001423      , L0001424      , L0001425      , L0001426      , L0001427      ,  
                  , L0001429      , L0001430      ,  
  
 L0001436      L0001431      , L0001432      , L0001433      , L0001434      , L0001435      ,  
                  , L0001437      , L0001438      ,  
  
 L0001444      L0001439      , L0001440      , L0001441      , L0001442      , L0001443      ,  
                  , L0001445      , L0001446      ,  
  
 L0001452      L0001447      , L0001448      , L0001449      , L0001450      , L0001451      ,  
                  , L0001453      , L0001454      ,  
  
 L0001460      L0001455      , L0001456      , L0001457      , L0001458      , L0001459      ,  
                  , L0001461      , L0001462      ,

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 COTTONWOOD AND EDGEMONT\1 \*\*\*      01/11/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
                  \*\*\*      10:57:42

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

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*



## SRCGROUP ID

-----

## SOURCE IDs

-----

L0001468	L0001463 , L0001469	, L0001464 , L0001470	, L0001465 ,	, L0001466	, L0001467	,
L0001476	L0001471 , L0001477	, L0001472 , L0001478	, L0001473 ,	, L0001474	, L0001475	,
L0001484	L0001479 , L0001485	, L0001480 , L0001486	, L0001481 ,	, L0001482	, L0001483	,
L0001492	L0001487 , L0001493	, L0001488 , L0001494	, L0001489 ,	, L0001490	, L0001491	,
L0001500	L0001495 , L0001501	, L0001496 , L0001502	, L0001497 ,	, L0001498	, L0001499	,
L0001508	L0001503 , L0001509	, L0001504 , L0001510	, L0001505 ,	, L0001506	, L0001507	,
L0001516	L0001511 , L0001517	, L0001512 , L0001518	, L0001513 ,	, L0001514	, L0001515	,
L0001524	L0001519 , L0001525	, L0001520 , L0001526	, L0001521 ,	, L0001522	, L0001523	,
L0001532	L0001527 , L0001533	, L0001528 , L0001534	, L0001529 ,	, L0001530	, L0001531	,
L0001540	L0001535 , L0001541	, L0001536 , L0001542	, L0001537 ,	, L0001538	, L0001539	,
L0001548	L0001543 , L0001549	, L0001544 , L0001550	, L0001545 ,	, L0001546	, L0001547	,
L0001556	L0001551 , L0001557	, L0001552 , L0001558	, L0001553 ,	, L0001554	, L0001555	,
L0001564	L0001559 , L0001565	, L0001560 , L0001566	, L0001561 ,	, L0001562	, L0001563	,
L0001572	L0001567 , L0001573	, L0001568 , L0001574	, L0001569 ,	, L0001570	, L0001571	,
L0001580	L0001575 , L0001581	, L0001576 , L0001582	, L0001577 ,	, L0001578	, L0001579	,
	L0001583	, L0001584	, L0001585	, L0001586	, L0001587	,

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L0001588 , L0001589 , L0001590 ,
      L0001591 , L0001592 , L0001593 , L0001594 , L0001595 ,
L0001596 , L0001597 , L0001598 ,
      L0001599 , L0001600 , L0001601 , L0001602 , L0001603 ,
L0001604 , L0001605 , L0001606 ,
      L0001607 , L0001608 , L0001609 , L0001610 , L0001611 ,
L0001612 , L0001613 , L0001614 ,
      L0001615 , L0001616 , L0001617 , L0001618 , L0001619 ,
L0001620 , L0001621 , L0001622 ,
^ *** AERMOD - VERSION 21112 *** *** C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14555
COTTONWOOD AND EDGEMONT\1 *** 01/11/23
*** AERMET - VERSION 16216 *** ***
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

SRCGROUP ID	SOURCE IDs
-----	-----
L0001628	L0001623 , L0001624 , L0001625 , L0001626 , L0001627 , L0001628 , L0001629 , L0001630 ,
L0001636	L0001631 , L0001632 , L0001633 , L0001634 , L0001635 , L0001636 , L0001637 , L0001638 ,
L0001644	L0001639 , L0001640 , L0001641 , L0001642 , L0001643 , L0001644 , L0001645 , L0001646 ,
L0001652	L0001647 , L0001648 , L0001649 , L0001650 , L0001651 , L0001652 , L0001653 , L0001654 ,
L0001660	L0001655 , L0001656 , L0001657 , L0001658 , L0001659 , L0001660 , L0001661 , L0001662 ,
L0001668	L0001663 , L0001664 , L0001665 , L0001666 , L0001667 , L0001668 , L0001669 , L0001670 ,
L0001676	L0001671 , L0001672 , L0001673 , L0001674 , L0001675 , L0001676 , L0001677 , L0001678 ,

L0001679 , L0001680 , L0001681 , L0001682 , L0001683 ,  
L0001684 , L0001685 , L0001686 ,

L0001687 , L0001688 , L0001689 , L0001690 ,  
\*\*\* AERMOD - VERSION 21112 \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14555  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

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

\*\*\*

URBAN ID	URBAN POP	SOURCE IDs				
-----	-----	-----				
L0000150 L0000153	2189641. , L0000151 ,	L0000146 , L0000152	, L0000147 ,	, L0000148 ,	, L0000149 ,	
L0000159	L0000154 , L0000160	, L0000155 , L0000161	, L0000156 ,	, L0000157 ,	, L0000158 ,	
L0000167	L0000162 , L0000168	, L0000163 , L0000169	, L0000164 ,	, L0000165 ,	, L0000166 ,	
L0000175	L0000170 , L0000176	, L0000171 , L0000177	, L0000172 ,	, L0000173 ,	, L0000174 ,	
L0000183	L0000178 , L0000184	, L0000179 , L0000185	, L0000180 ,	, L0000181 ,	, L0000182 ,	
L0000191	L0000186 , L0000192	, L0000187 , L0000193	, L0000188 ,	, L0000189 ,	, L0000190 ,	
L0000199	L0000194 , L0000200	, L0000195 , L0000201	, L0000196 ,	, L0000197 ,	, L0000198 ,	
L0001204	L0001199 , L0001205	, L0001200 , L0001206	, L0001201 ,	, L0001202 ,	, L0001203 ,	
L0001212	L0001207 , L0001213	, L0001208 , L0001214	, L0001209 ,	, L0001210 ,	, L0001211 ,	
L0001220	L0001215 , L0001221	, L0001216 , L0001222	, L0001217 ,	, L0001218 ,	, L0001219 ,	

L0001228      L0001223      , L0001224      , L0001225      , L0001226      , L0001227      ,  
                  , L0001229      , L0001230      ,  
  
 L0001236      L0001231      , L0001232      , L0001233      , L0001234      , L0001235      ,  
                  , L0001237      , L0001238      ,  
  
 L0001244      L0001239      , L0001240      , L0001241      , L0001242      , L0001243      ,  
                  , L0001245      , L0001246      ,  
  
 L0001252      L0001247      , L0001248      , L0001249      , L0001250      , L0001251      ,  
                  , L0001253      , L0001254      ,  
  
 L0001260      L0001255      , L0001256      , L0001257      , L0001258      , L0001259      ,  
                  , L0001261      , L0001262      ,  
  
 L0001268      L0001263      , L0001264      , L0001265      , L0001266      , L0001267      ,  
                  , L0001269      , L0001270      ,  
  
 L0001276      L0001271      , L0001272      , L0001273      , L0001274      , L0001275      ,  
                  , L0001277      , L0001278      ,  
  
 L0001284      L0001279      , L0001280      , L0001281      , L0001282      , L0001283      ,  
                  , L0001285      , L0001286      ,  
  
 L0001292      L0001287      , L0001288      , L0001289      , L0001290      , L0001291      ,  
                  , L0001293      , L0001294      ,  
  
 L0001300      L0001295      , L0001296      , L0001297      , L0001298      , L0001299      ,  
                  , L0001301      , L0001302      ,

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

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

\*\*\*

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----

L0001308	L0001303 , L0001309	, L0001304 , L0001310	, L0001305 ,	, L0001306	, L0001307	,
	L0001311	, L0001312	, L0001313	, L0001314	, L0001315	,

L0001316 , L0001317 , L0001318 ,  
L0001324 , L0001319 , L0001320 , L0001321 , L0001322 , L0001323 ,  
L0001332 , L0001325 , L0001326 , L0001327 , L0001328 , L0001329 , L0001330 , L0001331 ,  
L0001340 , L0001333 , L0001334 , L0001335 , L0001336 , L0001337 , L0001338 , L0001339 ,  
L0001348 , L0001341 , L0001342 , L0001343 , L0001344 , L0001345 , L0001346 , L0001347 ,  
L0001356 , L0001349 , L0001350 , L0001351 , L0001352 , L0001353 , L0001354 , L0001355 ,  
L0001364 , L0001357 , L0001358 , L0001359 , L0001360 , L0001361 , L0001362 , L0001363 ,  
L0001372 , L0001365 , L0001366 , L0001367 , L0001368 , L0001369 , L0001370 , L0001371 ,  
L0001380 , L0001373 , L0001374 , L0001375 , L0001376 , L0001377 , L0001378 , L0001379 ,  
L0001388 , L0001381 , L0001382 , L0001383 , L0001384 , L0001385 , L0001386 , L0001387 ,  
L0001396 , L0001389 , L0001390 , L0001391 , L0001392 , L0001393 , L0001394 , L0001395 ,  
L0001404 , L0001397 , L0001398 , L0001399 , L0001400 , L0001401 , L0001402 , L0001403 ,  
L0001412 , L0001405 , L0001406 , L0001407 , L0001408 , L0001409 , L0001410 , L0001411 ,  
L0001420 , L0001413 , L0001414 , L0001415 , L0001416 , L0001417 , L0001418 , L0001419 ,  
L0001428 , L0001421 , L0001422 , L0001423 , L0001424 , L0001425 , L0001426 , L0001427 ,  
L0001436 , L0001429 , L0001430 , L0001431 , L0001432 , L0001433 , L0001434 , L0001435 ,  
L0001444 , L0001437 , L0001438 , L0001439 , L0001440 , L0001441 , L0001442 , L0001443 ,  
L0001445 , L0001446 ,

L0001447 , L0001448 , L0001449 , L0001450 , L0001451 ,  
L0001452 , L0001453 , L0001454 ,

L0001455 , L0001456 , L0001457 , L0001458 , L0001459 ,  
L0001460 , L0001461 , L0001462 ,

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

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

\*\*\*

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0001468	L0001463 , L0001464 , L0001465 , L0001466 , L0001467 , L0001468 , L0001469 , L0001470 ,	
L0001476	L0001471 , L0001472 , L0001473 , L0001474 , L0001475 , L0001476 , L0001477 , L0001478 ,	
L0001484	L0001479 , L0001480 , L0001481 , L0001482 , L0001483 , L0001484 , L0001485 , L0001486 ,	
L0001492	L0001487 , L0001488 , L0001489 , L0001490 , L0001491 , L0001492 , L0001493 , L0001494 ,	
L0001500	L0001495 , L0001496 , L0001497 , L0001498 , L0001499 , L0001500 , L0001501 , L0001502 ,	
L0001508	L0001503 , L0001504 , L0001505 , L0001506 , L0001507 , L0001508 , L0001509 , L0001510 ,	
L0001516	L0001511 , L0001512 , L0001513 , L0001514 , L0001515 , L0001516 , L0001517 , L0001518 ,	
L0001524	L0001519 , L0001520 , L0001521 , L0001522 , L0001523 , L0001524 , L0001525 , L0001526 ,	
L0001532	L0001527 , L0001528 , L0001529 , L0001530 , L0001531 , L0001532 , L0001533 , L0001534 ,	
L0001540	L0001535 , L0001536 , L0001537 , L0001538 , L0001539 , L0001540 , L0001541 , L0001542 ,	

L0001548      L0001543      , L0001544      , L0001545      , L0001546      , L0001547      ,  
                  , L0001549      , L0001550      ,  
  
 L0001556      L0001551      , L0001552      , L0001553      , L0001554      , L0001555      ,  
                  , L0001557      , L0001558      ,  
  
 L0001564      L0001559      , L0001560      , L0001561      , L0001562      , L0001563      ,  
                  , L0001565      , L0001566      ,  
  
 L0001572      L0001567      , L0001568      , L0001569      , L0001570      , L0001571      ,  
                  , L0001573      , L0001574      ,  
  
 L0001580      L0001575      , L0001576      , L0001577      , L0001578      , L0001579      ,  
                  , L0001581      , L0001582      ,  
  
 L0001588      L0001583      , L0001584      , L0001585      , L0001586      , L0001587      ,  
                  , L0001589      , L0001590      ,  
  
 L0001596      L0001591      , L0001592      , L0001593      , L0001594      , L0001595      ,  
                  , L0001597      , L0001598      ,  
  
 L0001604      L0001599      , L0001600      , L0001601      , L0001602      , L0001603      ,  
                  , L0001605      , L0001606      ,  
  
 L0001612      L0001607      , L0001608      , L0001609      , L0001610      , L0001611      ,  
                  , L0001613      , L0001614      ,  
  
 L0001620      L0001615      , L0001616      , L0001617      , L0001618      , L0001619      ,  
                  , L0001621      , L0001622      ,

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

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

\*\*\*

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0001628	L0001623 , L0001629	L0001624 , L0001630
	L0001631 , L0001632	L0001625 , L0001633
		L0001626 , L0001634
		L0001627 , L0001635

L0001636 , L0001637 , L0001638 ,  
 L0001639 , L0001640 , L0001641 , L0001642 , L0001643 ,  
 L0001644 , L0001645 , L0001646 ,  
 L0001647 , L0001648 , L0001649 , L0001650 , L0001651 ,  
 L0001652 , L0001653 , L0001654 ,  
 L0001655 , L0001656 , L0001657 , L0001658 , L0001659 ,  
 L0001660 , L0001661 , L0001662 ,  
 L0001663 , L0001664 , L0001665 , L0001666 , L0001667 ,  
 L0001668 , L0001669 , L0001670 ,  
 L0001671 , L0001672 , L0001673 , L0001674 , L0001675 ,  
 L0001676 , L0001677 , L0001678 ,  
 L0001679 , L0001680 , L0001681 , L0001682 , L0001683 ,  
 L0001684 , L0001685 , L0001686 ,  
 L0001687 , L0001688 , L0001689 , L0001690 ,

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 COTTONWOOD AND EDMONT\1 \*\*\* 01/11/23  
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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

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

( 473535.8, 3753700.4, 463.6, 939.0, 0.0); ( 473504.4,  
 3753604.7, 464.0, 939.0, 0.0);  
 ( 473521.5, 3753447.6, 466.0, 939.0, 0.0); ( 473663.5,  
 3753518.6, 466.9, 939.0, 0.0);  
 ( 473689.1, 3753500.9, 467.0, 939.0, 0.0); ( 473673.2,  
 3753465.3, 467.0, 939.0, 0.0);  
 ( 473731.8, 3753514.7, 467.7, 939.0, 0.0); ( 473779.9,  
 3753528.1, 468.3, 939.0, 0.0);  
 ( 473769.3, 3753483.5, 469.0, 939.0, 0.0); ( 473827.4,  
 3753601.0, 468.9, 939.0, 0.0);  
 ( 473830.0, 3753653.8, 468.0, 939.0, 0.0); ( 473772.3,  
 3753680.2, 467.0, 939.0, 0.0);  
 ( 473758.6, 3753698.5, 466.4, 939.0, 0.0); ( 473757.7,  
 3753712.2, 466.0, 939.0, 0.0);  
 ( 473704.3, 3753733.5, 463.9, 939.0, 0.0); ( 473738.9,  
 3753734.6, 464.1, 939.0, 0.0);  
 ( 473604.9, 3753701.6, 463.0, 939.0, 0.0); ( 473627.1,









First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
10	01	01	01	5.5	0	-999.	-99.00	282.6	99.0	-99.00	-99.00
10	01	01	01	9.1	1	335.	1.30	-999.0	99.0	-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):      L0000146      , L0000147  
 , L0000148      , L0000149      , L0000150      ,  
                   L0000151      , L0000152      , L0000153      , L0000154      , L0000155  
 , L0000156      , L0000157      , L0000158      ,  
                   L0000159      , L0000160      , L0000161      , L0000162      , L0000163  
 , L0000164      , L0000165      , L0000166      ,  
                   L0000167      , L0000168      , L0000169      , L0000170      , L0000171  
 , L0000172      , L0000173      , . . .      ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

**		** CONC OF DPM	IN MICROGRAMS/M**3
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
-----	-----	-----	-----
473535.78	3753700.40	0.00052	473504.36
3753604.68	0.00036		
473521.53	3753447.58	0.00027	473663.47
3753518.62	0.00117		
473689.08	3753500.93	0.00105	473673.24
3753465.30	0.00069		
473731.84	3753514.66	0.00163	473779.88
3753528.12	0.00203		
473769.32	3753483.51	0.00102	473827.39
3753600.97	0.00144		
473829.97	3753653.85	0.00118	473772.32
3753680.21	0.00268		
473758.62	3753698.51	0.00289	473757.72
3753712.19	0.00230		

473704.31	3753733.51	0.00198	473738.87
3753734.63	0.00182		
473604.91	3753701.65	0.00086	473627.12
3753704.34	0.00109		
473648.22	3753720.95	0.00124	473651.13
3753728.57	0.00118		
473471.85	3753661.93	0.00029	473825.48
3753556.02	0.00133		
473827.05	3753516.30	0.00100	473705.21
3753411.06	0.00048		
473715.53	3753399.62	0.00045	473828.21
3753491.61	0.00081		
473827.26	3753472.92	0.00070	473829.55
3753447.17	0.00057		
473732.08	3753422.56	0.00053	473748.48
3753427.33	0.00056		
473762.79	3753433.44	0.00059	473775.38
3753437.25	0.00061		
473714.15	3753382.70	0.00041	473821.73
3753413.03	0.00046		
473620.50	3753415.13	0.00040	473643.58
3753348.18	0.00031		
473659.03	3753306.60	0.00027	473731.13
3753303.74	0.00030		
473746.96	3753332.73	0.00031	473769.66
3753199.79	0.00022		
473740.86	3753273.22	0.00028	473807.61
3753148.29	0.00017		
473852.24	3753023.36	0.00014	473712.82
3753008.10	0.00014		
473592.28	3753008.30	0.00013	473764.89
3752934.10	0.00016		
473719.49	3752934.67	0.00016	473566.19
3753405.39	0.00028		
473835.55	3753672.66	0.00100	473828.76
3753708.27	0.00088		

▲ \*\*\* AERMOD - VERSION 21112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14555  
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\*\*\* MODELOPTs:      RegDFault    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* THE SUMMARY OF MAXIMUM ANNUAL RESULTS

AVERAGED OVER    5 YEARS \*\*\*

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

\*\*

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

ALL	1ST HIGHEST VALUE IS	0.00289 AT (	473758.62, 3753698.51,
466.36,	939.00, 0.00) DC		
	2ND HIGHEST VALUE IS	0.00268 AT (	473772.32, 3753680.21,
467.00,	939.00, 0.00) DC		
	3RD HIGHEST VALUE IS	0.00230 AT (	473757.72, 3753712.19,
466.02,	939.00, 0.00) DC		
	4TH HIGHEST VALUE IS	0.00203 AT (	473779.88, 3753528.12,
468.34,	939.00, 0.00) DC		
	5TH HIGHEST VALUE IS	0.00198 AT (	473704.31, 3753733.51,
463.90,	939.00, 0.00) DC		
	6TH HIGHEST VALUE IS	0.00182 AT (	473738.87, 3753734.63,
464.06,	939.00, 0.00) DC		
	7TH HIGHEST VALUE IS	0.00163 AT (	473731.84, 3753514.66,
467.74,	939.00, 0.00) DC		
	8TH HIGHEST VALUE IS	0.00144 AT (	473827.39, 3753600.97,
468.92,	939.00, 0.00) DC		
	9TH HIGHEST VALUE IS	0.00133 AT (	473825.48, 3753556.02,
469.00,	939.00, 0.00) DC		
	10TH HIGHEST VALUE IS	0.00124 AT (	473648.22, 3753720.95,
463.00,	939.00, 0.00) DC		

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

▲ \*\*\* AERMOD - VERSION 21112 \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14555  
 COTTONWOOD AND EDMONT\1 \*\*\* 01/11/23  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 10:57:42

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\*\*\* MODELOPTs: RegDEFAULT 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 4 Warning Message(s)  
 A Total of 2028 Informational Message(s)

A Total of 43824 Hours Were Processed  
A Total of 978 Calm Hours Identified  
A Total of 1050 Missing Hours Identified ( 2.40 Percent)

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

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*  
ME W186 1333 MEOPEN: THRESH\_1MIN 1-min ASOS wind speed threshold used  
0.50  
ME W187 1333 MEOPEN: ADJ\_U\* Option for Stable Low Winds used in AERMET  
MX W450 17521 CHKDAT: Record Out of Sequence in Meteorological File at:  
14010101  
MX W450 17521 CHKDAT: Record Out of Sequence in Meteorological File at:  
2 year gap

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

**APPENDIX 2.4:**  
**RISK CALCULATIONS**



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**Table 1**  
**Quantification of Carcinogenic Risks and Noncarcinogenic Hazards**  
**0-2 Age Bin Exposure Scenario - Construction Activity**

Source (a)	Mass GLC		Weight Fraction (d)	Contaminant (e)	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
	(ug/m <sup>3</sup> ) (b)	(mg/m <sup>3</sup> ) (c)			URF (ug/m <sup>3</sup> ) <sup>-1</sup> (f)	CPF (mg/kg/day) <sup>-1</sup> (g)	DOSE (mg/kg-day) (h)	RISK (i)	REL (ug/m <sup>3</sup> ) (j)	RfD (mg/kg/day) (k)	RESP (l)	CNS/PNS (m)	CV/BL (n)	IMMUN (o)	KIDN (p)	GI/LV (q)	REPRO (r)	EYES (s)
	0.15099	1.51E-04			1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	8.7E-05	8.1E-06	5.0E+00	1.4E-03	3.0E-02					
<b>TOTAL</b>				8.1E-06				3.0E-02	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	

8.15

\*\* 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)            193  
exposure duration (years)                    0.73  
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 (a)	Mass GLC		Weight Fraction (d)	Contaminant (e)	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
	(ug/m <sup>3</sup> ) (b)	(mg/m <sup>3</sup> ) (c)			URF (ug/m <sup>3</sup> ) <sup>-1</sup> (f)	CPF (mg/kg/day) <sup>-1</sup> (g)	DOSE (mg/kg-day) (h)	RISK (i)	REL (ug/m <sup>3</sup> ) (j)	RfD (mg/kg/day) (k)	RESP (l)	CNS/PNS (m)	CV/BL (n)	IMMUN (o)	KIDN (p)	GI/LV (q)	REPRO (r)	EYES (s)
	0.00268	2.68E-06			1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.5E-06	6.3E-07	5.0E+00	1.4E-03	5.4E-04					
<b>TOTAL</b>							6.3E-07		5.4E-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	

0.63

\*\* 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 4**  
**Quantification of Carcinogenic Risks and Noncarcinogenic Hazards**  
**16-30 Age Bin Exposure Scenario**

Source ( a )	Mass GLC		Weight Fraction ( d )	Contaminant ( e )	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
	(ug/m <sup>3</sup> ) ( b )	(mg/m <sup>3</sup> ) ( c )			URF (ug/m <sup>3</sup> ) <sup>-1</sup> ( f )	CPF (mg/kg/day) <sup>-1</sup> ( g )	DOSE (mg/kg-day) ( h )	RISK ( i )	REL (ug/m <sup>3</sup> ) ( j )	RfD (mg/kg/day) ( k )	RESP ( l )	CNS/PNS ( m )	CV/BL ( n )	IMMUN ( o )	KIDN ( p )	GI/LV ( q )	REPRO ( r )	EYES ( s )
	0.00268	2.68E-06			1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	6.7E-07	1.0E-07	5.0E+00	1.4E-03	5.4E-04					
<b>TOTAL</b>				1.0E-07				0.10										

\*\* 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)      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)      8.88**

Table 1  
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards  
-0.25 to 0 Age Bin Exposure Scenario

Source (a)	Mass GLC		Weight Fraction (d)	Contaminant (e)	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
	(ug/m <sup>3</sup> ) (b)	(mg/m <sup>3</sup> ) (c)			URF (ug/m <sup>3</sup> ) <sup>-1</sup> (f)	CPF (mg/kg/day) <sup>-1</sup> (g)	DOSE (mg/kg-day) (h)	RISK (i)	REL (ug/m <sup>3</sup> ) (j)	RfD (mg/kg/day) (k)	RESP (l)	CNS/PNS (m)	CV/BL (n)	IMMUN (o)	KIDN (p)	GI/LV (q)	REPRO (r)	EYES (s)
	0.00289	2.89E-06			1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.0E-06	3.2E-08	5.0E+00	1.4E-03	5.8E-04					
TOTAL							3.2E-08			5.8E-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 (a)	Mass GLC		Weight Fraction (d)	Contaminant (e)	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
	(ug/m <sup>3</sup> ) (b)	(mg/m <sup>3</sup> ) (c)			URF (ug/m <sup>3</sup> ) <sup>-1</sup> (f)	CPF (mg/kg/day) <sup>-1</sup> (g)	DOSE (mg/kg-day) (h)	RISK (i)	REL (ug/m <sup>3</sup> ) (j)	RfD (mg/kg/day) (k)	RESP (l)	CNS/PNS (m)	CV/BL (n)	IMMUN (o)	KIDN (p)	GI/LV (q)	REPRO (r)	EYES (s)
	0.00289	2.89E-06			1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	3.0E-06	7.7E-07	5.0E+00	1.4E-03	5.8E-04					
<b>TOTAL</b>				7.7E-07				5.8E-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	0.0E+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 (a)	Mass GLC		Weight Fraction (d)	Contaminant (e)	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
	(ug/m <sup>3</sup> ) (b)	(mg/m <sup>3</sup> ) (c)			URF (ug/m <sup>3</sup> ) <sup>-1</sup> (f)	CPF (mg/kg/day) <sup>-1</sup> (g)	DOSE (mg/kg-day) (h)	RISK (i)	REL (ug/m <sup>3</sup> ) (j)	RfD (mg/kg/day) (k)	RESP (l)	CNS/PNS (m)	CV/BL (n)	IMMUN (o)	KIDN (p)	GI/LV (q)	REPRO (r)	EYES (s)
	0.00289	2.89E-06			1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.6E-06	7.2E-07	5.0E+00	1.4E-03	5.8E-04					
<b>TOTAL</b>				7.2E-07				5.8E-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	0.0E+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 ( a )	Mass GLC		Weight Fraction ( d )	Contaminant ( e )	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
	(ug/m <sup>3</sup> ) ( b )	(mg/m <sup>3</sup> ) ( c )			URF (ug/m <sup>3</sup> ) <sup>-1</sup> ( f )	CPF (mg/kg/day) <sup>-1</sup> ( g )	DOSE (mg/kg-day) ( h )	RISK ( i )	REL (ug/m <sup>3</sup> ) ( j )	RfD (mg/kg/day) ( k )	RESP ( l )	CNS/PNS ( m )	CV/BL ( n )	IMMUN ( o )	KIDN ( p )	GI/LV ( q )	REPRO ( r )	EYES ( s )
	0.00289	2.89E-06			1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	7.2E-07	1.1E-07	5.0E+00	1.4E-03	5.8E-04					
<b>TOTAL</b>					1.1E-07				5.8E-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	0.0E+00

0.11

\*\* 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)      1.63**



